PLANS FOR THE CONSTRUCTION OF 14TH AVENUE STREETSCAPE PROJECT PHASE 1 & 3

JULY 11, 2024

CALL BEFORE YOU DIG
UNDERGROUND SERVICE ALERT
800–227–2600

THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT AND THE CITY PUBLIC WORKS AGENCY AT LEAST 48 HOURS (2 WORKING DAYS) PRIOR TO BEGINNING ANY EXCAVATION IN THE VICINITY OF UNDERGROUND FACILITIES.

FUNDED BY: ALAMEDA COUNTY TRANSPORTATION COMMISSION (ACTC)

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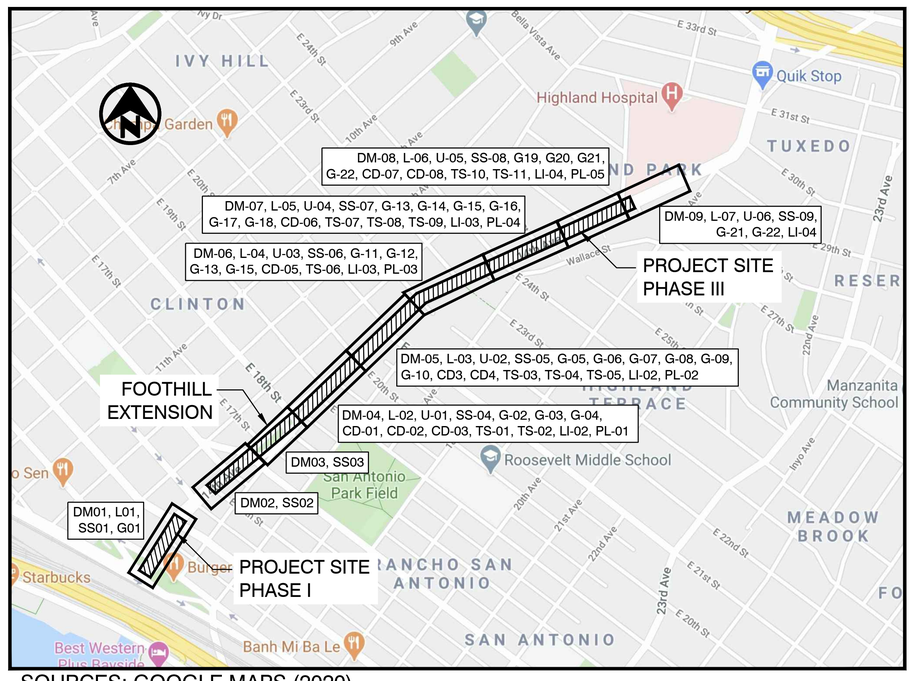
CITY PROJECT NO.: 1004251



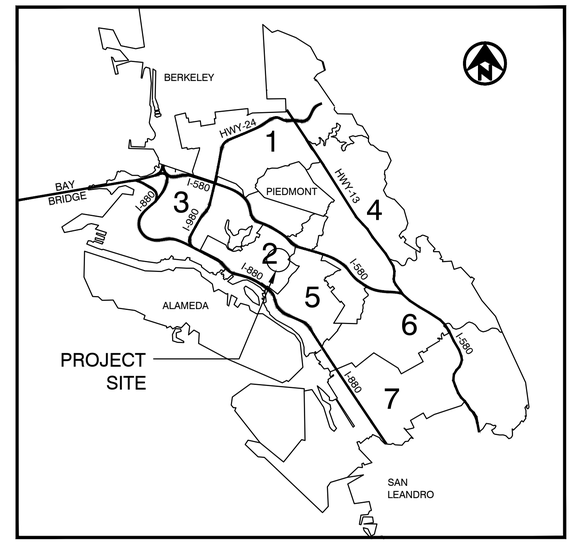
SOURCES: GOOGLE MAPS (2020)

LOCATION & KEY MAP

NOT TO SCALE

LIMITS OF WORK

CITY OF OAKLAND COUNCIL DISTRICT MAP



Megan Wier
Megan Wier (Jul 15, 2024 16:51 PDT)

MEGAN WIER
ASSISTANT DIRECTOR
DEPARTMENT OF TRANSPORTATION

CITY OF OAKLAND
DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS AGENCY
250 FRANK H. OGAWA PLAZA
SUITE 4314
OAKLAND, CA 94612
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FAX (510) 238-7227

GREAT STREETS (DOT)
Amit Salwan (Jun 26, 2024 07:19 PDT)
PRINCIPAL CIVIL ENGINEER

SAFE STREETS (DOT)
Jack Paul (Jun 26, 2024 13:18 PDT)
DIVISION MANAGER

COMPLETE STREETS DESIGN (DOT)
REGISTERED PROFESSIONAL ENGINEER SIV LAU No. C57399 CIVIL STATE OF CALIFORNIA
Siv Lau (Jun 26, 2024 15:45 GMT-7)
SUPERVISING CIVIL ENGINEER

ADA PROGRAMS (CAO)
Anh Nguyen (Jun 26, 2024 16:01 PDT)
DIVISION MANAGER

CONSTRUCTION MANAGEMENT (OPW)
Paul Tran (Jul 3, 2024 18:08 PDT)
DIVISION MANAGER

BUREAU OF MAINTENANCE AND INTERNAL SERVICES (OPW)
Richard Battersby (Jun 21, 2024 13:15 PDT)
ASSISTANT DIRECTOR

BUREAU OF ENVIRONMENT (OPW)
Kristin Hathaway (Jul 8, 2024 10:07 PDT)
ASSISTANT DIRECTOR

		DATE	BY	REFERENCE

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304 12TH ST, SUITE 2A
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p:510.540.5008

CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER STEVEN B. FRIESON No. C-42110 CIVIL STATE OF CALIFORNIA

PROJECT NO. 1004251

SCALE: AS SHOWN
DATE: 7/11/2024

SHEET NO. T-01
1 OF 100

DRAWING NAME: In:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Title.dwg
PLOT DATE: 02-12-24
PLOTTED BY: MoiseMacNoughton

GENERAL NOTES:

1. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICES ALERT (USA) AT (800) 227-2600 AT LEAST 2 WORKING DAYS BEFORE EXCAVATING. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING UTILITIES IN ACCORDANCE WITH THE GENERAL SPECIFICATIONS.
2. THE CONTRACTOR SHALL COMPLY WITH ALL STATE, COUNTY, AND CITY LAWS AND ORDINANCES, REGULATIONS OF THE DEPARTMENT OF INDUSTRIAL RELATIONS, STATE CONSTRUCTION SAFETY ORDERS, AND CAL/OSHA. THIS REQUIREMENT SHALL BE MADE TO APPLY AT ALL TIMES.
3. ALL WORK SHALL CONFORM TO THE CITY OF OAKLAND STANDARD DETAILS, 2023 CALTRANS STANDARD PLANS, 2023 CALTRANS STANDARD SPECIFICATIONS, 2015 GREENBOOK, PROJECT SPECIAL PROVISIONS, AND 2014 CA MUTCD REV. 6.
4. ALL TRAFFIC STRIPING SHALL BE THERMOPLASTIC, AND ALL PAVEMENT MARKINGS SHALL BE WHITE THERMOPLASTIC, UNLESS NOTED OTHERWISE.
5. EXISTING STRIPING AND PAVEMENT MARKINGS THAT ARE IN CONFLICT WITH PROPOSED STRIPING AND PAVEMENT MARKINGS SHALL BE REMOVED AND DISPOSED OF PER SECTIONS 15-2.02 (B&C) AND 15-2.03 OF THE STATE STANDARD SPECIFICATIONS.
6. EXISTING SIGNS AND POSTS THROUGHOUT THE PROJECT AREA SHALL BE PROTECTED IN PLACE, UNLESS OTHERWISE SPECIFIED.
7. THE CONTRACTOR SHALL RESTORE ALL DAMAGED, REMOVED, OR OTHERWISE DISTURBED WALLS, FENCES, SERVICES, UTILITIES, LANSCAPE AREAS, IMPROVEMENTS OR FEATURES OF WHATEVER NATURE, DUE TO CONTRACTOR'S WORK.
8. THE CONTRACTOR SHALL COORDINATE THEIR WORK WITH THE INSTALLATION OF FACILITIES BY PG&E, COMMUNICATION COMPANIES, CABLE TV INSTALLATION, EAST BAY MUNICIPAL UTILITY DISTRICT, AND OTHER RELATED UTILITY COMPANIES. VALVE BOXES AND MANHOLES, AND STRUCTURES TO BE SET TO GRADE IN CONCRETE AFTER PAVING.
9. ALL STREET MONUMENTS AND OTHER PERMANENT MONUMENTS DISTURBED DURING THE PROCESS OF CONSTRUCTION SHALL BE REPLACED BEFORE ACCEPTANCE OF THE IMPROVEMENTS BY THE CITY ENGINEER.
10. PEDESTRIAN, PUBLIC ACCESSES, WHEELCHAIR ACCESSES SHALL BE MAINTAINED DURING THE CONSTRUCTION OF THE SATISFACTION OF THE CITY ENGINEER.
11. NO TRENCHES OR HOLES SHALL BE LEFT OPEN OVERNIGHT; USE STEEL PLATING OR HOT MIX ASPHALT AS REQUIRED TO PROTECT OPEN TRENCHES OVERNIGHT.
12. THE CONTRACTOR SHALL CONTROL DUST AT ALL TIMES AND SWEEP STREETS AS OFTEN AS NECESSARY DURING CONSTRUCTION AS REQUIRED BY THE CITY ENGINEER.
13. ALL REVISIONS TO THE PLAN MUST BE REVIEWED AND APPROVED BY THE CITY ENGINEER PRIOR TO CONSTRUCTION AND SHALL BE ACCURATELY SHOWN ON REVISED PLANS STAMPED AND SIGNED BY CITY ENGINEER PRIOR TO THE INSTALLATION OF THE IMPROVEMENTS.
14. ALL CONSTRUCTION STAKING FOR CURB, GUTTER, SIDEWALK, SANITARY SEWERS, STORM DRAINS, WATER LINES, FIRE HYDRANTS, ELECTROLIERS, ETC. SHALL BE DONE BY A REGISTERED CIVIL ENGINEER OR LICENSED LAND SURVEYOR.
15. THE CONTRACTOR SHALL PROVIDE FOR CONTINUOUS INGRESS AND EGRESS TO ALL PROPERTIES ADJACENT TO THE WORK THROUGHOUT THE PERIOD OF CONSTRUCTION UNLESS OTHERWISE SHOWN.
16. THE CONTRACTOR SHALL NOTIFY ALL TRANSIT AGENCIES, TRASH COLLECTION AGENCY, AND EMERGENCY SERVICES OF THE CONSTRUCTION SCHEDULE TO ALLOW COORDINATION. AC TRANSIT SHALL BE NOTIFIED AT LEAST 2 WEEKS PRIOR TO THE START OF WORK AT LOCATIONS THAT INCLUDE EXISTING OR PROPOSED BUS STOP LOCATIONS. FOR QUESTIONS OR COMMENTS REGARDING BUS STOPS, PLEASE CONTACT AC TRANSIT VIA EMAIL AT PLANNING@ACTRANSIT.ORG OR CALL 510-891-7277 AND LEAVE A MESSAGE.
20. ALL BUS STOP POLE RELOCATIONS, REMOVALS, AND INSTALLATIONS NEED SHALL BE COORDINATED WITH AC TRANSIT AND WILL BE DONE BY THE AC TRANSIT POLE CREW.
21. CONTRACTOR TO INSTALL A CONSTRUCTION INFORMATION SIGN PER THE PROJECT SPECIAL PROVISIONS AT THE BEGINNING BLOCK AND THE END BLOCK OF THE SITE.
22. CONTRACTOR SHALL PREPARE AND SUBMIT TRAFFIC CONTROL PLAN TO CITY FOR APPROVAL PER THE SPECIAL PROVISIONS.
23. CONTRACTOR SHALL PREPARE AND SUBMIT A STORMWATER POLLUTANT PREVENTION PLAN (SWPPP) PER THE SPECIAL PROVISIONS.

TEMPORARY EROSION CONTROL NOTE:

CONTRACTOR SHALL PROVIDE TEMPORARY STORM WATER POLLUTION CONTROL DURING CONSTRUCTION PER CALTRANS STD. PLAN T62. CONTRACTOR TO PROVIDE DRAINAGE INLET PROTECTION AT ALL STORM DRAINS LOCATED WITHIN 500' OF PROJECT EXTENTS. CONTRACTOR TO VERIFY ALL STORM WATER DRAIN INLET LOCATIONS. CONTRACTOR SHALL PROVIDE EROSION CONTROL MEASURES DURING CONSTRUCTION. EROSION CONTROL MEASURES SHALL CONFORM TO THE REQUIREMENTS OF THE REGIONAL WATER QUALITY CONTROL BOARD (RWQCB).

ABBREVIATIONS:

(X.XX)	INDICATES EXISTING ELEVATION
AB	AGGREGATE BASE
AC	ASPHALT CONCRETE
ADA	AMERICAN WITH DISABILITIES ACT
BC	BEGINNING OF CURVE
BOW	BACK OF WALK
CALTRANS	CALIFORNIA DEPARTMENT OF TRANSPORTATION
CNPT	SURVEY CONTROL POINT
CONC	CONCRETE
CONT.	CONTINUED
CL	CENTERLINE
E:	EASTING
EC	END OF CURVE
EPB	ELECTRICAL PULLBOX
EVP	EMERGENCY VEHICLE PRE-EMPTION
EX.	EXISTING
FH	FIRE HYDRANT
FL	FLOW LINE
GM	GAS METER
GUY	GUY WIRE ANCHOR
GPB	GAS PULL BOX
GV	GAS VALVE
IRR	IRRIGATION BOX
JP	JOINT POLE
L	LEFT
LF	LINEAR FOOT
LIP	LIP OF GUTTER
MH	MAN HOLE
MIN.	MINIMUM
MISC-CO	MISCELLANEOUS CLEANOUT
MISC-MH	MISCELLANEOUS MANHOLE
MISC-VLT	MISCELLANEOUS VAULT
(N.)	NORTH
N:	NORTHING
O.C	ON CENTER
PCC	PORTLAND CEMENT CONCRETE
PRC	POINT OF REVERSE CURVE
R	RIGHT
RRFB	RECTANGULAR RAPID FLASHING BEACON
REV.	REVISION
R/W	RIGHT OF WAY
SC.	SURVEY CONTROL
SDMH	STORM DRAIN MANHOLE
SF	SQUARE FEET (FOOT)
STA	STATION
STD.	STANDARD
SSCO	SANITARY SEWER CLEANOUT
SSMH	SANITARY SEWER MANHOLE
STL-T	TRAFFIC SIGNAL WITH ELECTROLIER
STPB	STREET LIGHT PULLBOX
SW	SIDEWALK
TC	TOP OF CURB
TEL	TELEPHONE
TG	TOP OF GRATE
TOT.	TOTAL
TRAF-S	TRAFFIC SIGNAL POLE
TRAFF	TRAFFIC SIGNAL ON MAST ARM
TYP.	TYPICAL
U.S.	UNITED STATES
WM	WATER METER
WV	WATER VALVE
XS	CROSS SECTION

SURVEY LEGEND

BUILDING FACE
BUILDING OVERHANG
EDGE OF PAVEMENT
CURB LINE
CURB & GUTTER LINE
MISCELLANEOUS LINE
ACCESSIBLE RAMP GRADE BREAK/EDGE LINE
CONCRETE SCORE JOINT LINE
FLOW LINE
GRADE BREAK LINE
X — FENCE LINE, TYPE / HEIGHT AS INDICATED
SD — STORM DRAIN LINE
SS — SANITARY SEWER LINE
WTR — WATER LINE
OHE — OVERHEAD ELECTRIC LINE
CRACK IN CONCRETE LINE
C-ENLARGEMENT-L
OHC — OVERHEAD COMMUNICATION UTILITY LINE
OHE-OHC — OVERHEAD ELECTRIC/COMM UTILITY LINE
SS — SANITARY SEWER UTILITY LINE
WTR — UNDIFFERENTIATED WATER UTILITY LINE
STORM DRAIN MANHOLE
DRAIN INLET ON CURB
SANITARY SEWER MANHOLE
SANITARY SEWER CLEANOUT
W — WATER METER / BOX
WATER VALVE
FIRE HYDRANT

IRRIGATION CONTROL / VALVE BOX
GAS METER
GAS VALVE
E — ELECTRIC VAULT / PULLBOX
ELECTROLIER WITH MAST ARM
JOINT POLE
GUY WIRE ANCHOR
TRAFFIC SIGNAL WITH ELECTROLIER
STREET LIGHT PULLBOX
MISCELLANEOUS MANHOLE
MISCELLANEOUS CLEANOUT
SIGN
BOLLARD
198.70CONC 198.76BW 195.17C 194.78FL — SPOT ELEVATION
G12"OAK — TREE WITH DRIPLINE, SIZE AS INDICATED
TRAFFIC SIGNAL ON POLE

DEMOLITION LEGEND:

REMOVE SIDEWALK CONCRETE AND BASE MATERIAL
REMOVE ROADWAY CONCRETE AND BASE MATERIAL
REMOVE EXISTING STRIPING BY SANDBLASTING
CLEAR AND GRUB

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DRAWN BY	JP

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

NOTES, LEGEND & ABBREVIATIONS

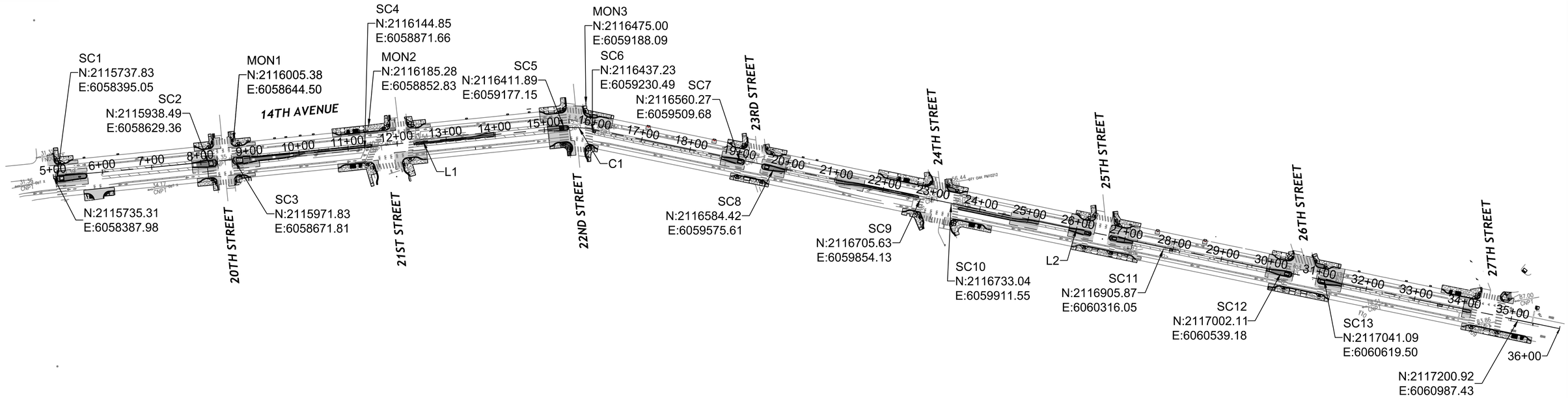
PROJECT NO. 1004251

SCALE: NTS
HOR:
VERT:
DATE: 7/11/2024

SHEET NO. GN-01
2 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Title.dwg
PLOT DATE: 07-11-24
PLOTTED BY: Chris-Allen

14TH AVENUE STREETSCAPE



BENCHMARK

BENCHMARK DESIGNATION 1414
PIN MON NW CORNER E. 18TH STREET AND 14TH AVENUE
ELEVATION = 26.29 FEET, CITY OF OAKLAND DATUM

HORIZONTAL CONTROL

HORIZONTAL CONTROL IS BASED ON COORDINATES ESTABLISHED BY PLS SURVEYS, INC, IN 2015 ON CITY OF OAKLAND MONUMENTS.SAID MONUMENTS ARE SHOWN ON CORNER RECORDS 7474, 7475 AND 7477 FILED IN ALAMEDA COUNTY RECORDS AUGUST 28, 2015.
NAD83 CA ZONE 3

UNDERGROUND UTILITY NOTE

THE TYPES, LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS TOPOGRAPHIC SURVEY ARE APPROXIMATE AND WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, THE ENGINEER CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES WHICH MAY BE ENCOUNTERED, BUT WHICH ARE NOT SHOWN ON THIS SURVEY.

SURVEY NOTES

1. ALL DISTANCES AND DIMENSIONS ARE SHOWN IN FEET AND DECIMALS THEREOF.
2. DATES OF FIELD SURVEY: 03/27/2020-04/01/2020
3. OVERHEAD ELECTRIC LINES ARE NOT SHOWN ON THIS MAP.

BOUNDARY NOTE

THE PARCEL LINES SHOWN HEREON ARE THE RESULT OF A BOUNDARY SURVEY MADE IN CONFORMANCE WITH THE REQUIREMENTS OF THE PROFESSIONAL LAND SURVEYOR'S ACT.

Alignment Data

Number	Radius	Length	Line/Chord Direction	Beg. STA	End STA
L1		1039.96	N49° 32' 53.06"E	5+00.00	15+39.96
C1	200.00	59.63	N58° 05' 22.84"E	15+39.96	15+99.59
L2		2000.41	N66° 37' 52.63"E	15+99.59	36+00.00

Control Data

Point	Northing	Easting	Elevation	Description
MON1	2116005.38	6058644.50	36.58	MONUMENT WELL
MON2	2116185.28	6058852.83	40.43	MONUMENT WELL
MON3	2116475.00	6059188.09	46.93	MONUMENT WELL
SC1	2115737.83	6058395.05	32.39	SURVEY CONTROL POINT
SC2	2115938.49	6058629.36	36.35	SURVEY CONTROL POINT
SC3	2115971.83	6058671.81	36.63	SURVEY CONTROL POINT
SC4	2116144.85	6058871.66	40.25	SURVEY CONTROL POINT
SC5	2116411.89	6059177.15	45.42	SURVEY CONTROL POINT
SC6	2116437.23	6059230.49	46.62	SURVEY CONTROL POINT
SC7	2116560.27	6059509.68	50.44	SURVEY CONTROL POINT
SC8	2116584.42	6059575.61	51.41	SURVEY CONTROL POINT
SC9	2116705.63	6059854.13	55.61	SURVEY CONTROL POINT
SC10	2116733.04	6059911.55	56.71	SURVEY CONTROL POINT
SC11	2116905.87	6060316.05	68.06	SURVEY CONTROL POINT
SC12	2117002.11	6060539.18	74.10	SURVEY CONTROL POINT
SC13	2117041.09	6060619.50	76.42	SURVEY CONTROL POINT

HORIZONTAL CONTROL IN GROUND VALUES USING AN ASSUMED ORIGIN
VERTICAL CONTROL IN CITY OF OAKLAND DATUM
VALUES IN U.S. SURVEY FOOT

100 0 50 100 200
SCALE PLAN SCALE FEET

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DRAWN BY	JP

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

SURVEY CONTROL

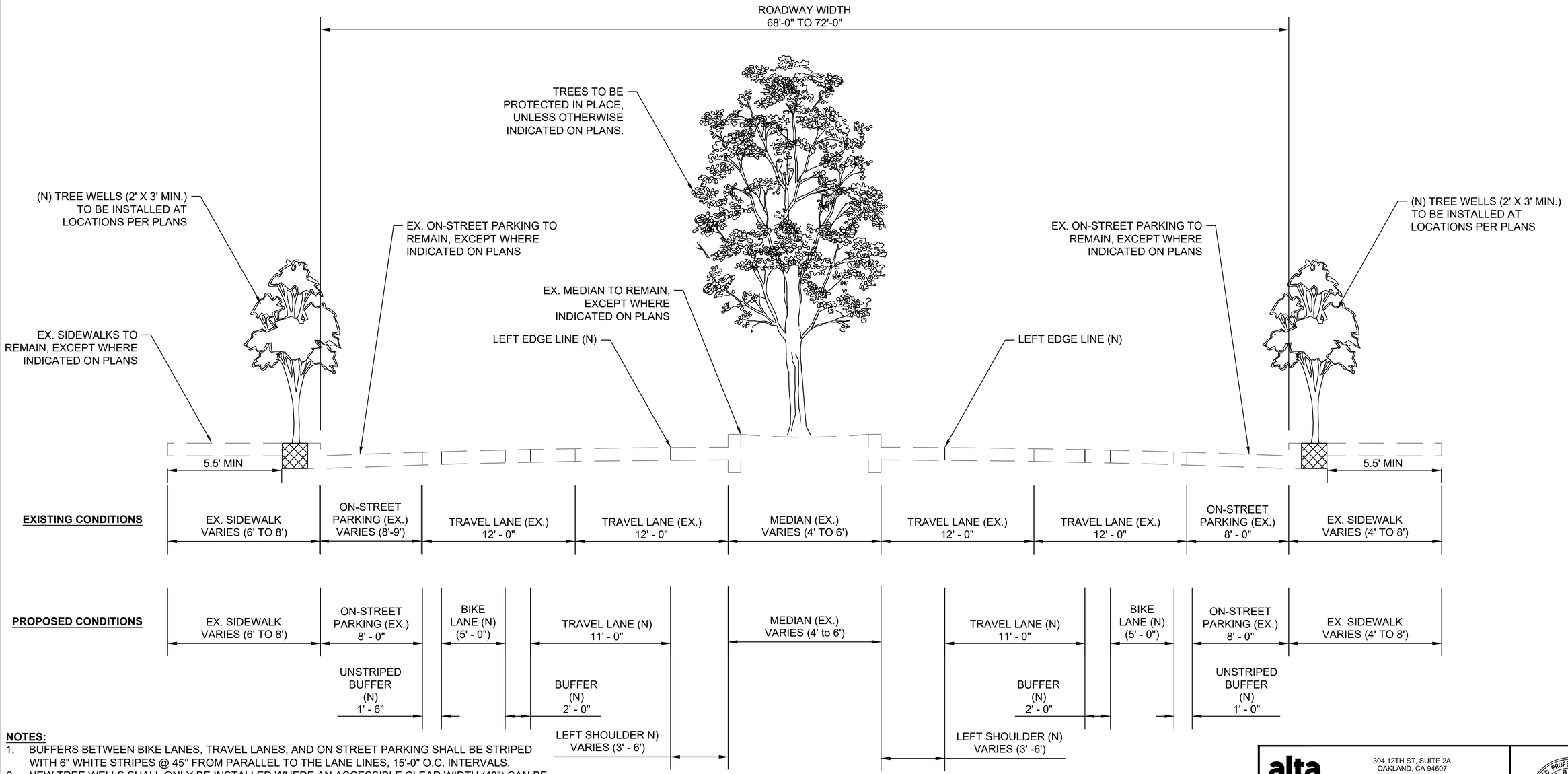
PROJECT NO.
1004251

SCALE: 1"=100
HOR:
VERT:
DATE: 10/31/2023

SHEET NO.
SC-01
3 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Title.dwg
PLOT DATE: 10-31-23
PLOTTED BY: emmakaitz

14TH AVENUE STREETSCAPE



NOTES:

1. BUFFERS BETWEEN BIKE LANES, TRAVEL LANES, AND ON STREET PARKING SHALL BE STRIPED WITH 6" WHITE STRIPES @ 45° FROM PARALLEL TO THE LANE LINES, 15'-0" O.C. INTERVALS.
2. NEW TREE WELLS SHALL ONLY BE INSTALLED WHERE AN ACCESSIBLE CLEAR WIDTH (48") CAN BE MAINTAINED BETWEEN THE BACK OF WALK AND EDGE OF TREEWELL.
3. NEW TREE PLANTINGS SHALL CONFORM TO THE CITY OF OAKLAND'S STANDARD SPECIFICATIONS FOR STREET TREE PLANTINGS.
4. CROSS SECTION IS FACING NORTHEAST.

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

TYPICAL SECTIONS

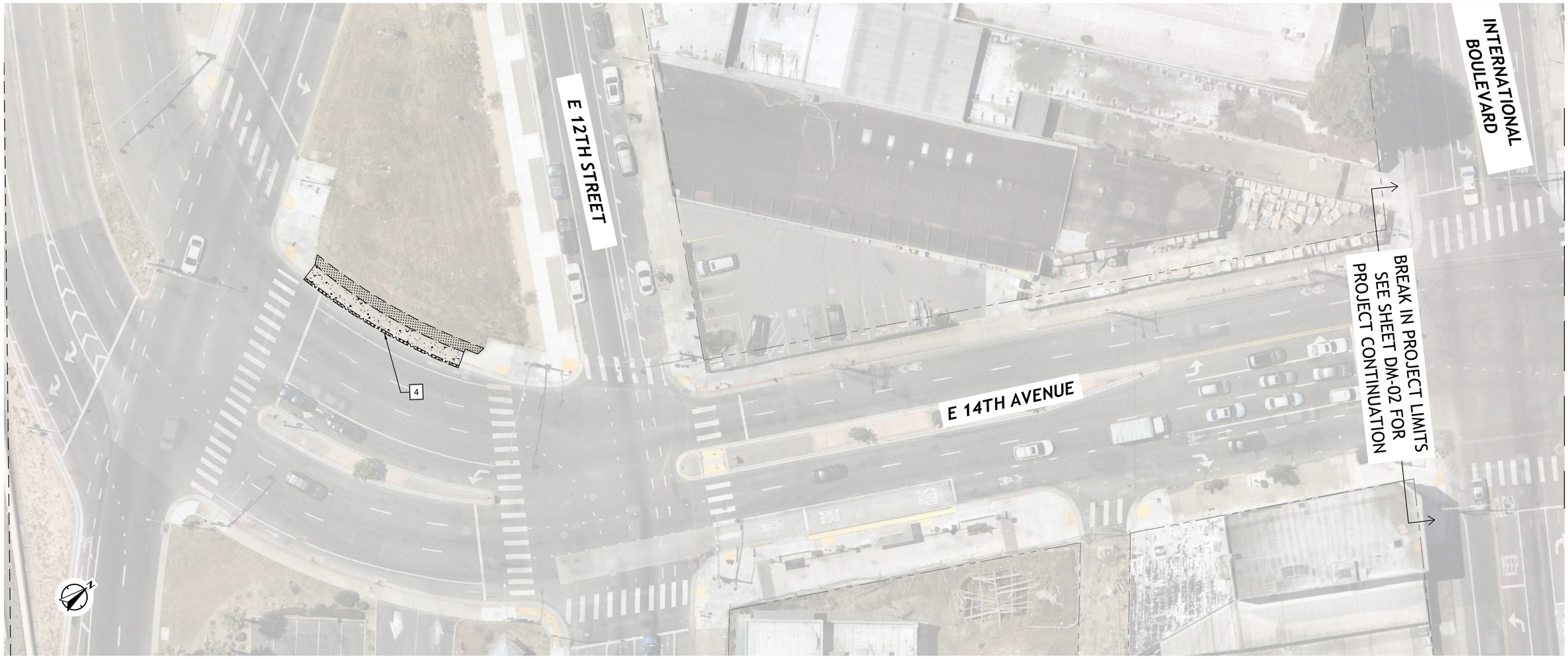
PROJECT NO.
1004251

SCALE: VAR.
HOR: 1"=4'
VERT: 1"=2'
DATE: 10/31/2023

SHEET NO.
XS-01
4 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Cross Section.dwg
PLOT DATE: 10-31-23
PLOTTED BY: emmaskaltz

14TH AVENUE STREETSCAPE



DEMOLITION NOTES (THIS SHEET ONLY):

4 SAWCUT AND INSTALL 1' MIN. WIDTH ASPHALT CONCRETE AROUND PROPOSED CURB, MATCH EXISTING ASPHALT ROAD SECTION.

GENERAL NOTES (THIS SHEET ONLY):

1. FOR NOTES, LEGEND AND ABBREVIATIONS SEE SHEET GN-01.
2. FOR LAYOUTS, GRADING, DRAINAGE, AND SIGNING AND STRIPING DRAWING NUMBERS AT THIS LOCATIONS, SEE SHEET T-01, KEY MAP.

LEGEND:

- REMOVE SIDEWALK/MEDIAN AND CURB AND GUTTER CONCRETE AND BASE MATERIAL
- CLEAR AND GRUB
- REMOVE ROADWAY ASPHALT CONCRETE AND BASE MATERIAL

20 0 10 20 40
SCALE PLAN SCALE FEET

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

DEMOLITION PLANS

PROJECT NO. 1004251

SCALE: 1"=20'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO. DM-01
5 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Demo.dwg
PLOT DATE: 10-31-23
PLOTTED BY: emmaskatz

14TH AVENUE STREETSCAPE

GENERAL NOTES (THIS SHEET ONLY):

1. FOR NOTES, LEGEND AND ABBREVIATIONS SEE SHEET GN-01.
2. FOR LAYOUTS, GRADING, DRAINAGE, AND SIGNING AND STRIPING DRAWING NUMBERS AT THIS LOCATIONS, SEE SHEET T-01, KEY MAP.

20 0 10 20 40
SCALE PLAN SCALE FEET

LEGEND:

REMOVE EXISTING STRIPING AND PAVEMENT MARKINGS

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DRAWN BY	JP

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

DEMOLITION PLANS

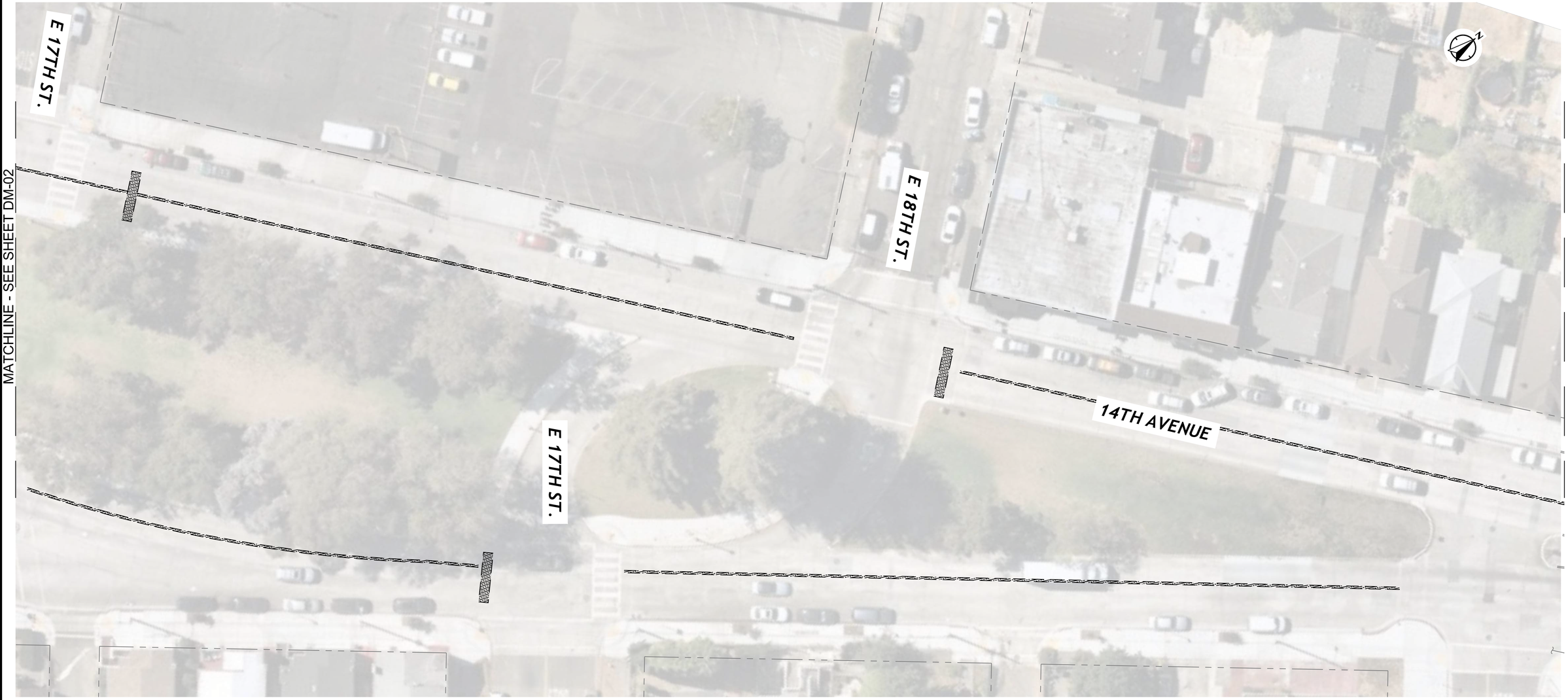
PROJECT NO.
1004251

SCALE: 1"=20'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO.
DM-02
6 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Demo.dwg
PLOT DATE: 10-31-23
PLOTTED BY: emmakaitz

14TH AVENUE STREETSCAPE



GENERAL NOTES (THIS SHEET ONLY):

1. FOR NOTES, LEGEND AND ABBREVIATIONS SEE SHEET GN-01.
2. FOR LAYOUTS, GRADING, DRAINAGE, AND SIGNING AND STRIPING DRAWING NUMBERS AT THIS LOCATIONS, SEE SHEET T-01, KEY MAP.

20 0 10 20 40
SCALE PLAN SCALE FEET

LEGEND:

REMOVE EXISTING STRIPING AND PAVEMENT MARKINGS

alta
304 12TH ST, SUITE 2A
OAKLAND, CA 94607
p:510.540.5008

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DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER STEVEN B. FRITSCHEN No. C-42110 CIVIL STATE OF CALIFORNIA

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OAKLAND, CA 94612
(510) 238-3437
FAX (510) 238-7227

14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

DEMOLITION PLANS

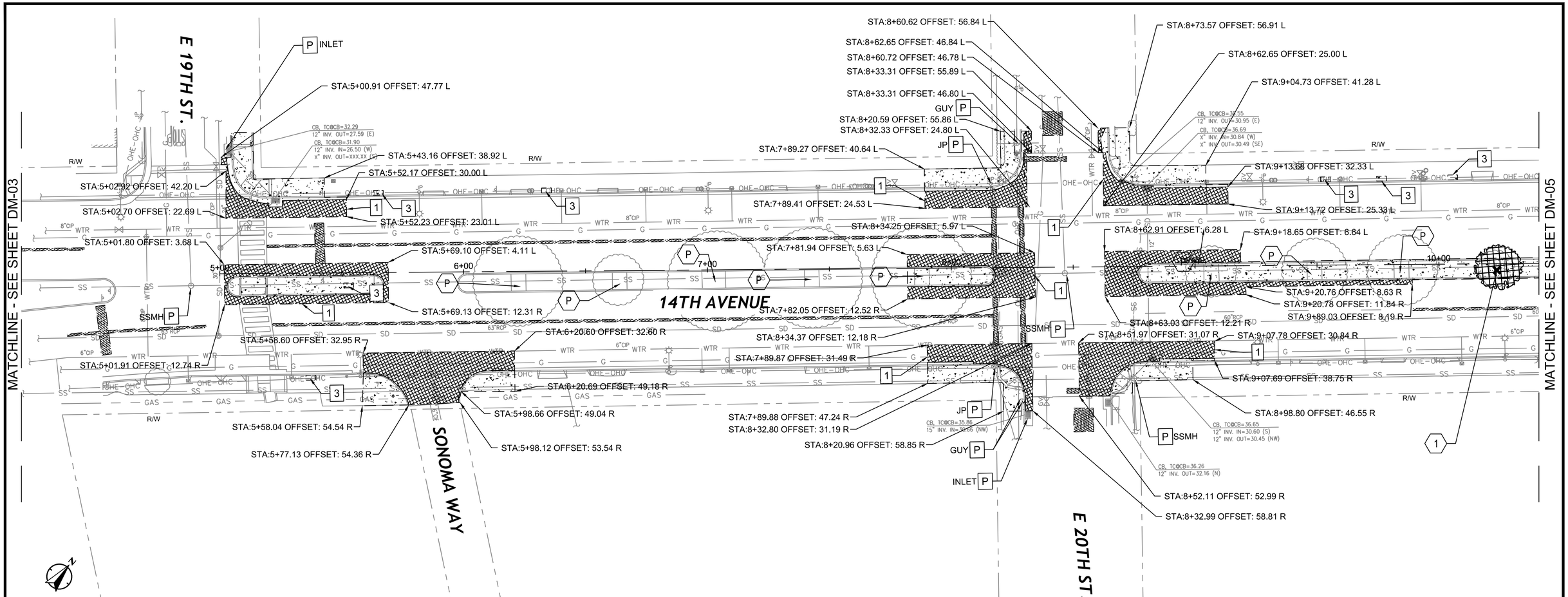
PROJECT NO.
1004251

SCALE: 1"=20'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO.
DM-03
7 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Demo.dwg
PLOT DATE: 10-31-23
PLOTTED BY: emmaklatz

14TH AVENUE STREETSCAPE



GENERAL NOTES (THIS SHEET ONLY):

1. FOR NOTES, LEGEND AND ABBREVIATIONS SEE SHEET GN-01.
2. FOR LAYOUTS, GRADING, DRAINAGE, AND SIGNING AND STRIPING DRAWING NUMBERS AT THIS LOCATIONS, SEE SHEET T-01, KEY MAP.
3. WHERE CONCRETE PAVEMENT REMOVAL EDGES FALL NEAR AN EXISTING CONCRETE JOINT, THE CONTRACTOR SHALL REMOVE THE CONCRETE PANEL UP TO THE EXISTING JOINT (AS LOCATED IN THE FIELD).

LANDSCAPING NOTES (THIS SHEET ONLY):

(1) REMOVE EXISTING TREE AND TREE ROOT (TYP.). PROTECT EXISTING SEWER MAIN AND ALL OTHER UTILITIES BELOW.

(P) PROTECT IN PLACE EX. TREE

DEMOLITION NOTES (THIS SHEET ONLY):

[1] SAWCUT EX. PAVEMENT ALONG EDGE OF PAVEMENT REMOVAL AREA.

[3] REMOVE SIDEWALK CONCRETE AND BASE MATERIAL AT LOCATION OF NEW TREEBOX (SEE PLANTING PLANS).

[P] PROTECT IN PLACE EXISTING UTILITY STRUCTURE, PER PLANS.

20 0 10 20 40
SCALE PLAN SCALE FEET

LEGEND:

REMOVE SIDEWALK/MEDIAN AND CURB AND GUTTER CONCRETE AND BASE MATERIAL

REMOVE ROADWAY CONCRETE (±8") AND BASE MATERIAL

REMOVE EXISTING STRIPING AND PAVEMENT MARKINGS

REMOVE EXISTING TREE AND TREE ROOT (TYP.)

alta
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REGISTERED PROFESSIONAL ENGINEER STEVEN B. FRITSON No. C-42110 CIVIL STATE OF CALIFORNIA

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

DEMOLITION PLANS

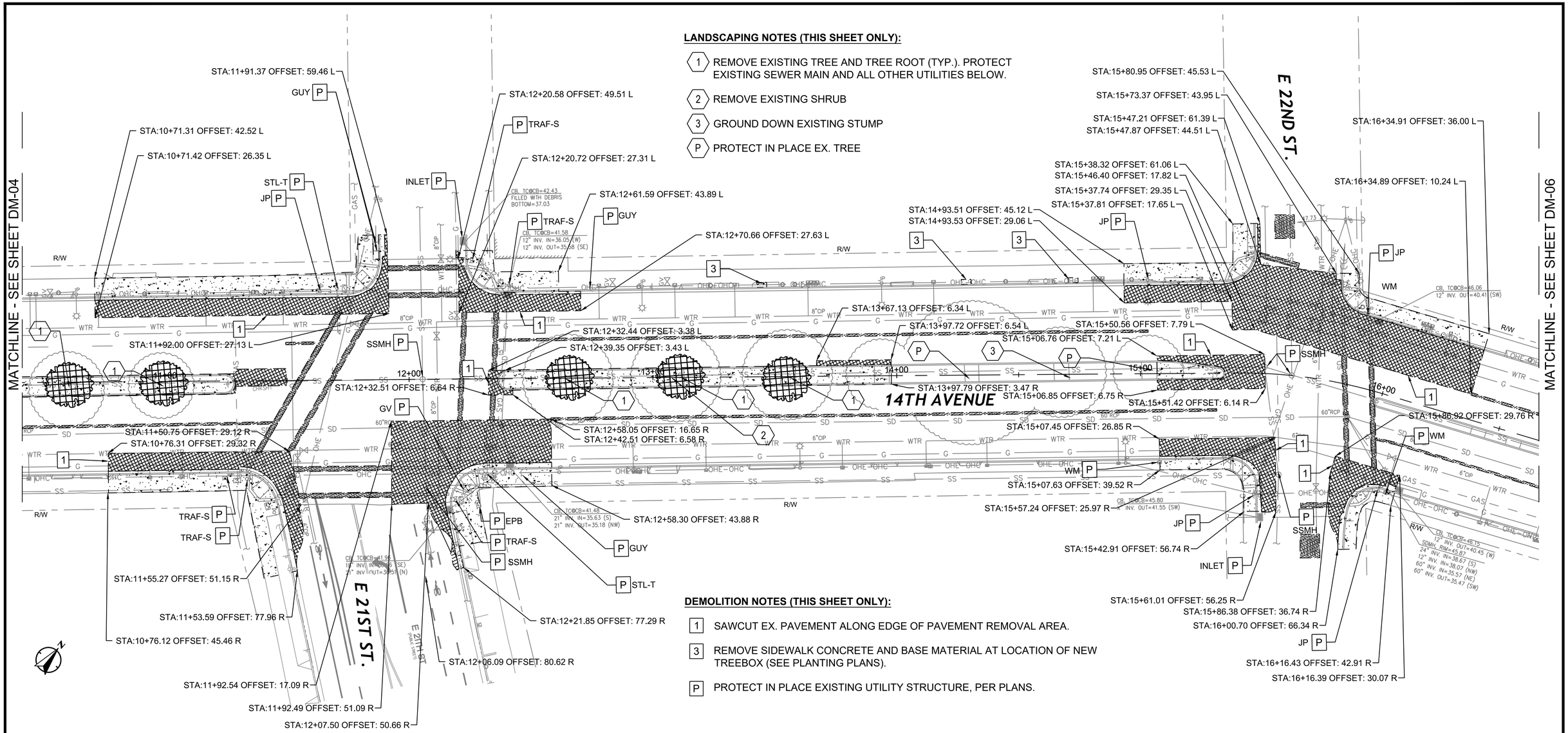
PROJECT NO. 1004251

SCALE: 1"=20'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO. DM-04
8 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Demo.dwg
PLOT DATE: 02-12-24
PLOTTED BY: MaselMacNaughton

14TH AVENUE STREETSCAPE



LANDSCAPING NOTES (THIS SHEET ONLY):

1. REMOVE EXISTING TREE AND TREE ROOT (TYP.). PROTECT EXISTING SEWER MAIN AND ALL OTHER UTILITIES BELOW.
2. REMOVE EXISTING SHRUB
3. GROUND DOWN EXISTING STUMP
P. PROTECT IN PLACE EX. TREE

DEMOLITION NOTES (THIS SHEET ONLY):

1. SAWCUT EX. PAVEMENT ALONG EDGE OF PAVEMENT REMOVAL AREA.
3. REMOVE SIDEWALK CONCRETE AND BASE MATERIAL AT LOCATION OF NEW TREEBOX (SEE PLANTING PLANS).
P. PROTECT IN PLACE EXISTING UTILITY STRUCTURE, PER PLANS.

GENERAL NOTES (THIS SHEET ONLY):

1. FOR NOTES, LEGEND AND ABBREVIATIONS SEE SHEET GN-01.
2. FOR LAYOUTS, GRADING, DRAINAGE, AND SIGNING AND STRIPING DRAWING NUMBERS AT THIS LOCATIONS, SEE SHEET T-01, KEY MAP.
3. WHERE CONCRETE PAVEMENT REMOVAL EDGES FALL NEAR AN EXISTING CONCRETE JOINT, THE CONTRACTOR SHALL REMOVE THE CONCRETE PANEL UP TO THE EXISTING JOINT (AS LOCATED IN THE FIELD).

20 0 10 20 40
SCALE PLAN SCALE FEET

LEGEND:

- REMOVE SIDEWALK/MEDIAN AND CURB AND GUTTER CONCRETE AND BASE MATERIAL
- REMOVE ROADWAY CONCRETE (± 8"-10") AND BASE MATERIAL
- REMOVE EXISTING STRIPING AND PAVEMENT MARKINGS
- REMOVE EXISTING TREE AND TREE ROOT (TYP.)

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DRAWN BY	JP

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

DEMOLITION PLANS

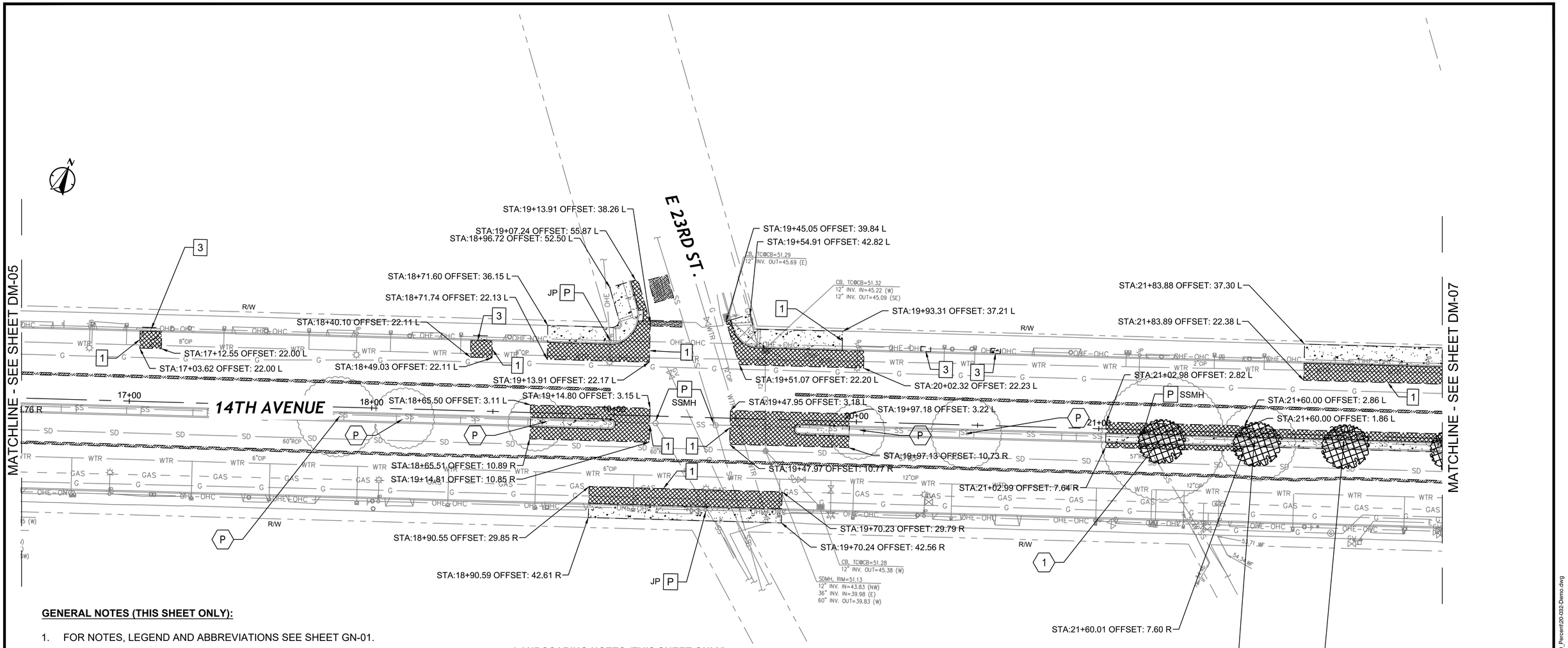
PROJECT NO. 1004251

SCALE: 1"=20'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO. DM-05
9 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Demo.dwg
PLOT DATE: 02-12-24
PLOTTED BY: MaiseMacNaughton

14TH AVENUE STREETSCAPE



GENERAL NOTES (THIS SHEET ONLY):

1. FOR NOTES, LEGEND AND ABBREVIATIONS SEE SHEET GN-01.
2. FOR LAYOUTS, GRADING, DRAINAGE, AND SIGNING AND STRIPING DRAWING NUMBERS AT THIS LOCATIONS, SEE SHEET T-01, KEY MAP.
3. WHERE CONCRETE PAVEMENT REMOVAL EDGES FALL NEAR AN EXISTING CONCRETE JOINT, THE CONTRACTOR SHALL REMOVE THE CONCRETE PANEL UP TO THE EXISTING JOINT (AS LOCATED IN THE FIELD).

DEMOLITION NOTES (THIS SHEET ONLY):

1 SAWCUT EX. PAVEMENT ALONG EDGE OF PAVEMENT REMOVAL AREA.

3 REMOVE SIDEWALK CONCRETE AND BASE MATERIAL AT LOCATION OF NEW TREEBOX (SEE PLANTING PLANS).

P PROTECT IN PLACE EXISTING UTILITY STRUCTURE, PER PLANS.

LANDSCAPING NOTES (THIS SHEET ONLY):

1 REMOVE EXISTING TREE AND TREE ROOT (TYP.). PROTECT EXISTING SEWER MAIN AND ALL OTHER UTILITIES BELOW.

P PROTECT IN PLACE EX. TREE

LEGEND:

REMOVE SIDEWALK/MEDIAN AND CURB AND GUTTER CONCRETE AND BASE MATERIAL

REMOVE ROADWAY CONCRETE (±6") AND BASE MATERIAL

REMOVE EXISTING STRIPING AND PAVEMENT MARKINGS

REMOVE EXISTING TREE AND TREE ROOT (TYP.)

20 0 10 20 40
SCALE PLAN SCALE FEET

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DESIGNED BY	JW
DRAWN BY	JP

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

DEMOLITION PLANS

PROJECT NO.
1004251

SCALE: 1"=20'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO.
DM-06
10 OF 100

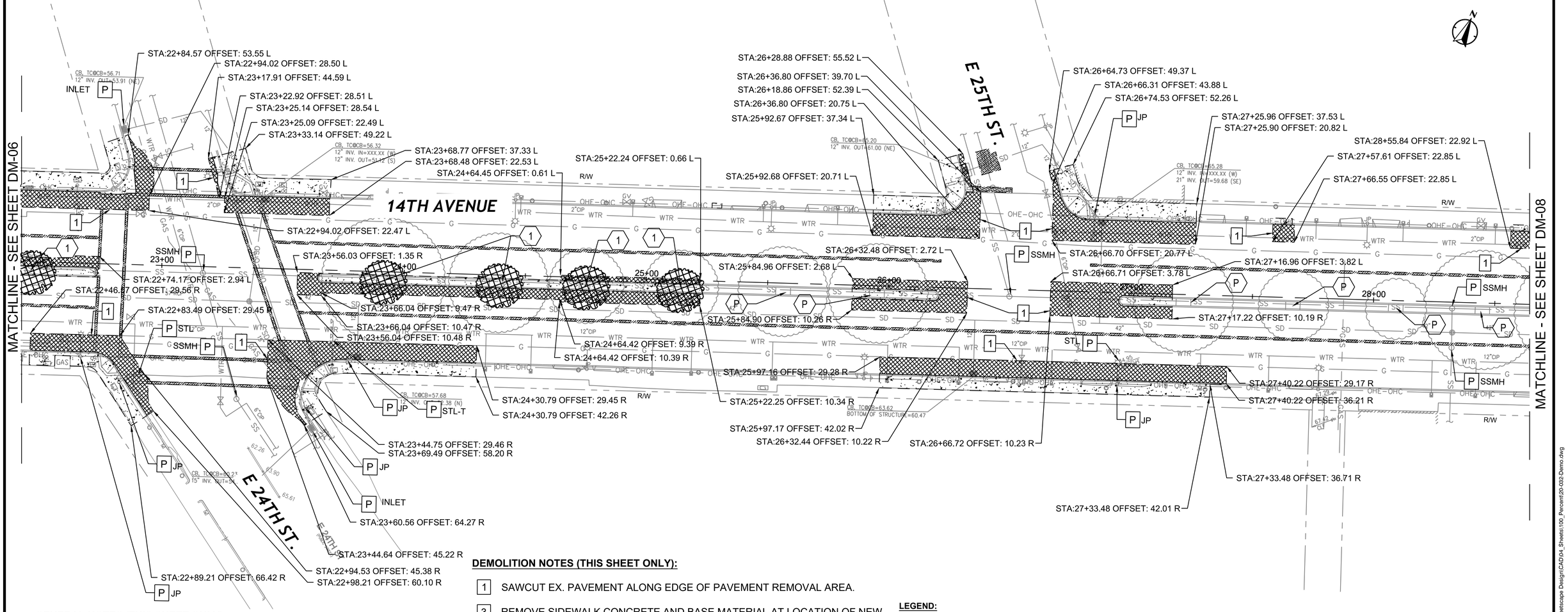
DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Demo.dwg
PLOT DATE: 02-12-24
PLOTTED BY: MaiseMacNaughton

14TH AVENUE STREETSCAPE

LANDSCAPING NOTES (THIS SHEET ONLY):

1. REMOVE EXISTING TREE AND TREE ROOT (TYP.). PROTECT EXISTING SEWER MAIN AND ALL OTHER UTILITIES BELOW.

P. PROTECT IN PLACE EX. TREES



GENERAL NOTES (THIS SHEET ONLY):

1. FOR NOTES, LEGEND AND ABBREVIATIONS SEE SHEET GN-01.
2. FOR LAYOUTS, GRADING, DRAINAGE, AND SIGNING AND STRIPING DRAWING NUMBERS AT THIS LOCATIONS, SEE SHEET T-01, KEY MAP.
3. WHERE CONCRETE PAVEMENT REMOVAL EDGES FALL NEAR AN EXISTING CONCRETE JOINT, THE CONTRACTOR SHALL REMOVE THE CONCRETE PANEL UP TO THE EXISTING JOINT (AS LOCATED IN THE FIELD).

DEMOLITION NOTES (THIS SHEET ONLY):

1. SAWCUT EX. PAVEMENT ALONG EDGE OF PAVEMENT REMOVAL AREA.
3. REMOVE SIDEWALK CONCRETE AND BASE MATERIAL AT LOCATION OF NEW TREEBOX (SEE PLANTING PLANS).

P. PROTECT IN PLACE EXISTING UTILITY STRUCTURE, PER PLANS.

LEGEND:

- REMOVE SIDEWALK/MEDIAN AND CURB AND GUTTER CONCRETE AND BASE MATERIAL
- REMOVE ROADWAY CONCRETE (± 6"-10") AND BASE MATERIAL
- REMOVE EXISTING STRIPING AND PAVEMENT MARKINGS
- REMOVE EXISTING TREE AND TREE ROOT (TYP.)

20 0 10 20 40
SCALE PLAN SCALE FEET

alta
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DESIGNED BY	JW
DRAWN BY	JP

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

DEMOLITION PLANS

PROJECT NO. 1004251

SCALE: 1"=20'
HOR:
VERT:
DATE: 10/31/2023

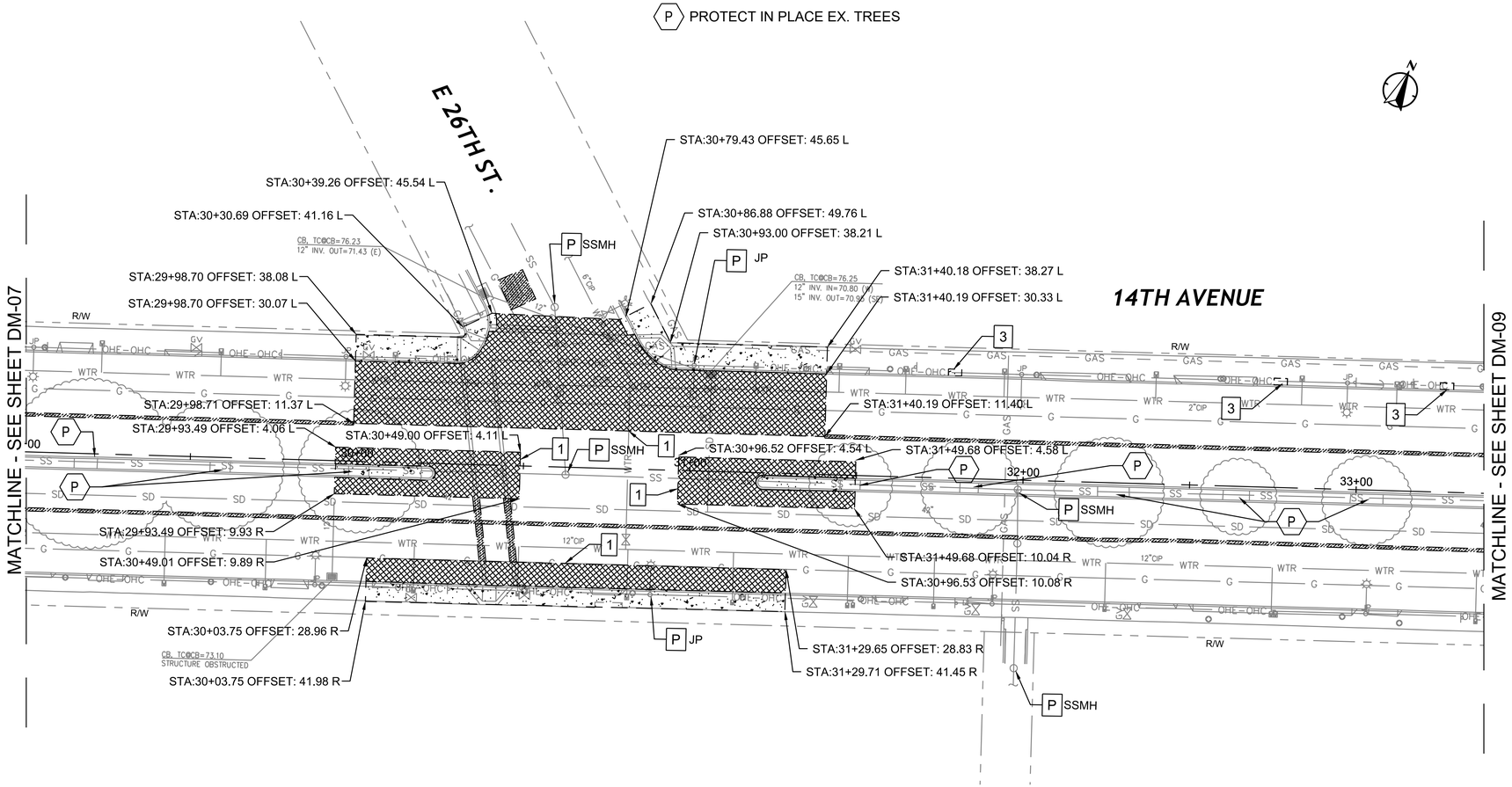
SHEET NO. DM-07
11 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Demo.dwg
PLOT DATE: 02-12-24
PLOTTED BY: MaiseMacNaughton

14TH AVENUE STREETSCAPE

LANDSCAPING NOTES (THIS SHEET ONLY):

(P) PROTECT IN PLACE EX. TREES



GENERAL NOTES (THIS SHEET ONLY):

1. FOR NOTES, LEGEND AND ABBREVIATIONS SEE SHEET GN-01.
2. FOR LAYOUTS, GRADING, DRAINAGE, AND SIGNING AND STRIPING DRAWING NUMBERS AT THIS LOCATIONS, SEE SHEET T-01, KEY MAP.
3. WHERE CONCRETE PAVEMENT REMOVAL EDGES FALL NEAR AN EXISTING CONCRETE JOINT, THE CONTRACTOR SHALL REMOVE THE CONCRETE PANEL UP TO THE EXISTING JOINT (AS LOCATED IN THE FIELD).

DEMOLITION NOTES (THIS SHEET ONLY):

1 SAWCUT EX. PAVEMENT ALONG EDGE OF PAVEMENT REMOVAL AREA

3 REMOVE SIDEWALK CONCRETE AND BASE MATERIAL AT LOCATION OF NEW TREEBOX (SEE PLANTING PLANS).

P PROTECT IN PLACE EXISTING UTILITY STRUCTURE, PER PLANS.

LEGEND:

REMOVE SIDEWALK/MEDIAN AND CURB AND GUTTER CONCRETE AND BASE MATERIAL

REMOVE ROADWAY CONCRETE (± 4"-10") AND BASE MATERIAL

REMOVE EXISTING STRIPING AND PAVEMENT MARKINGS

20 0 10 20 40
SCALE PLAN SCALE FEET

alta
304 12TH ST, SUITE 2A
OAKLAND, CA 94607
p:510.540.5008

CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER STEVEN B. FRESON No. C-42110 CIVIL STATE OF CALIFORNIA

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

DEMOLITION PLANS

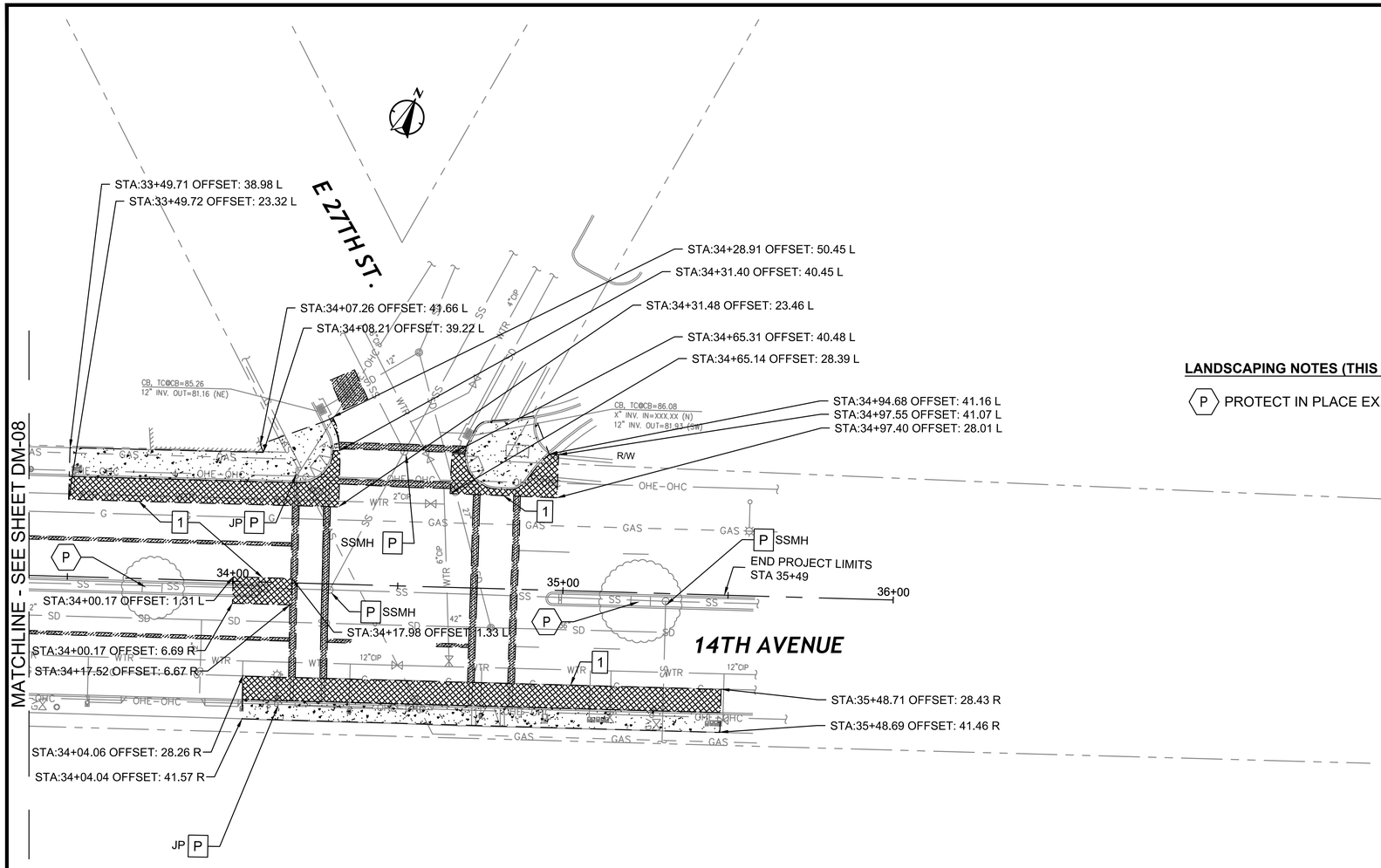
PROJECT NO. 1004251

SCALE: 1"=20'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO. DM-08
12 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\20-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Demo.dwg
PLOT DATE: 02-12-24
PLOTTED BY: MaiseMacNaughton

14TH AVENUE STREETSCAPE



LANDSCAPING NOTES (THIS SHEET ONLY):

(P) PROTECT IN PLACE EX. TREES

GENERAL NOTES (THIS SHEET ONLY):

1. FOR NOTES, LEGEND AND ABBREVIATIONS SEE SHEET GN-01.
2. FOR LAYOUTS, GRADING, DRAINAGE, AND SIGNING AND STRIPING DRAWING NUMBERS AT THIS LOCATIONS, SEE SHEET T-01, KEY MAP.
3. WHERE CONCRETE PAVEMENT REMOVAL EDGES FALL NEAR AN EXISTING CONCRETE JOINT, THE CONTRACTOR SHALL REMOVE THE CONCRETE PANEL UP TO THE EXISTING JOINT (AS LOCATED IN THE FIELD).

DEMOLITION NOTES (THIS SHEET ONLY):

1 SAWCUT EX. PAVEMENT ALONG EDGE OF PAVEMENT REMOVAL AREA.

3 REMOVE SIDEWALK CONCRETE AND BASE MATERIAL AT LOCATION OF NEW TREEBOX (SEE PLANTING PLANS).

P PROTECT IN PLACE EXISTING UTILITY STRUCTURE, PER PLANS.

LEGEND:

REMOVE SIDEWALK/MEDIAN AND CURB AND GUTTER CONCRETE AND BASE MATERIAL

REMOVE ROADWAY CONCRETE (± 4"-10") AND BASE MATERIAL

REMOVE EXISTING STRIPING AND PAVEMENT MARKINGS

20 0 10 20 40
SCALE PLAN SCALE FEET

alta
304 12TH ST, SUITE 2A
OAKLAND, CA 94607
p:510.540.5008

CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER STEVEN B. FRITESON No. C-42110 CIVIL STATE OF CALIFORNIA

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

DEMOLITION PLANS

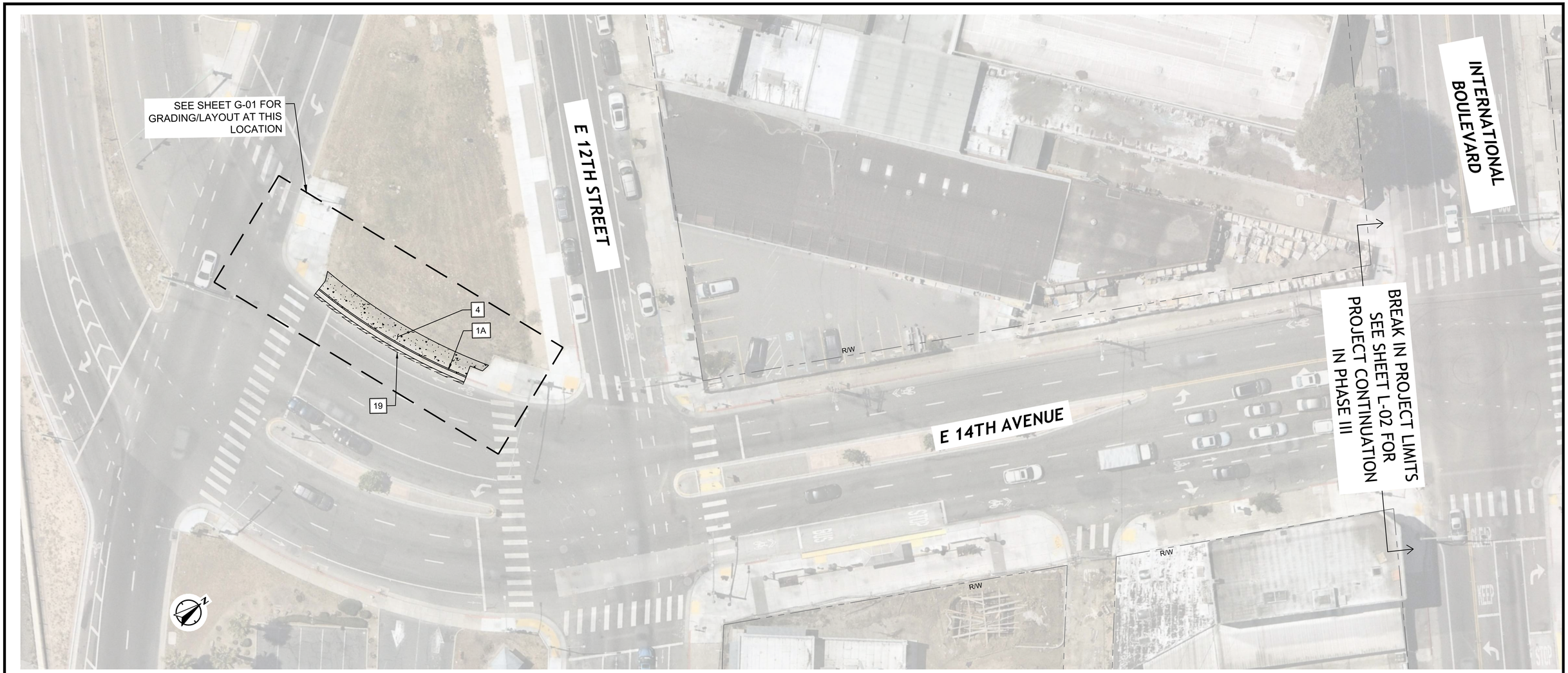
PROJECT NO. 1004251

SCALE: 1"=20'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO. DM-09
13 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Demo.dwg
PLOT DATE: 02-12-24
PLOTTED BY: MasseMacNaughton

14TH AVENUE STREETSCAPE



GENERAL NOTES:

1. FOR NOTES, LEGEND AND ABBREVIATIONS SEE SHEET GN-01.
2. FOR DEMOLITION, DRAINAGE, GRADING/LAYOUT, AND SIGNING AND STRIPING DRAWING NUMBERS AT THIS LOCATIONS, SEE SHEET T-01, KEY MAP.

CONSTRUCTION NOTES:

CONSTRUCTION NOTES FOR THIS SHEET ONLY.
CONSTRUCTION NOTES DO NOT NECESSARILY APPEAR ON EVERY SHEET.

1A CONSTRUCT TYPE A CONCRETE CURB AND GUTTER PER CITY OF OAKLAND STD. DWG. S-1.

4 REPLACE EXISTING SIDEWALK SECTION PER DETAIL 1, SHEET D-04.

19 INSTALL 1'-0" MIN. AC PLUG FOR NEW CURB WORK ADJACENT TO AC PAVEMENT SECTION.

LEGEND:

PCC SIDEWALK SECTION, SEE DETAIL 1, SHEET D-01

ASPHALT CONCRETE, MATCH EXISTING ASPHALT ROAD SECTION

20 0 10 20 40
SCALE PLAN SCALE FEET

alta
304 12TH ST, SUITE 2A
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DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER STEVEN B. FRIESON No. C-42110 CIVIL STATE OF CALIFORNIA

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

LAYOUT PLANS

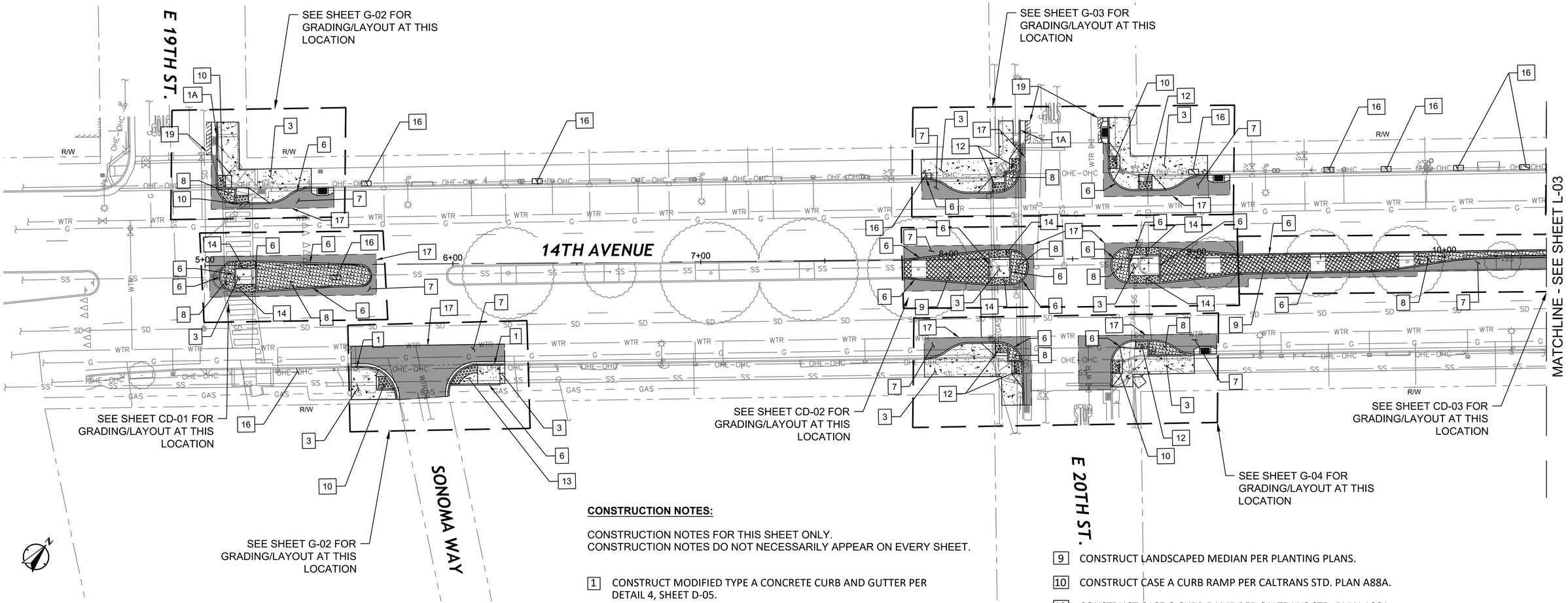
PROJECT NO.
1004251

SCALE: NTS
HOR:
VERT:
DATE: 10/31/2023

SHEET NO.
L-01
14 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Layouts.dwg
PLOT DATE: 10-31-23
PLOTTED BY: emmakatz

14TH AVENUE STREETSCAPE



LEGEND:

- PCC SIDEWALK SECTION, SEE DETAIL 1, SHEET D-04
- PCC STREET SECTION PER DETAIL 2, SHEET D-04
- PCC MEDIAN SECTION PER DETAIL 3, SHEET D-04
- PLANTING SECTIONS, SEE PLANTING PLAN SHEETS
- ADA DETECTABLE SURFACE PER CALTRANS STD PLAN A88A
- ASPHALT CONCRETE, MATCH EXISTING ASPHALT ROAD SECTION

GENERAL NOTES:

1. FOR NOTES, LEGEND AND ABBREVIATIONS SEE SHEET GN-01.
2. FOR DEMOLITION, DRAINAGE, GRADING, AND SIGNING AND STRIPING DRAWING NUMBERS AT THIS LOCATIONS, SEE SHEET T-01, KEY MAP.
3. SEE SHEET XS-01 FOR TYPICAL CROSS SECTION.

CONSTRUCTION NOTES:

CONSTRUCTION NOTES FOR THIS SHEET ONLY.
CONSTRUCTION NOTES DO NOT NECESSARILY APPEAR ON EVERY SHEET.

1. CONSTRUCT MODIFIED TYPE A CONCRETE CURB AND GUTTER PER DETAIL 4, SHEET D-05.
1A. CONSTRUCT TYPE A CONCRETE CURB AND GUTTER PER CITY OF OAKLAND STD. DWG. S-1.
3. CONSTRUCT CONCRETE SIDEWALK SECTION PER DETAIL 1, SHEET D-04.
6. CONSTRUCT 6" CONCRETE RETAINING CURB PER DETAIL 2, SHEET D-05.
7. CONSTRUCT CONCRETE STREET SECTION PANELS PER DETAIL 2, SHEET D-04.
8. CONSTRUCT CONCRETE MEDIAN SECTION PER DETAIL 3, SHEET D-04.
9. CONSTRUCT LANDSCAPED MEDIAN PER PLANTING PLANS.
10. CONSTRUCT CASE A CURB RAMP PER CALTRANS STD. PLAN A88A.
12. CONSTRUCT CASE G CURB RAMP PER CALTRANS STD. PLAN A88A.
13. CONSTRUCT CASE CM CURB RAMP PER CALTRANS STD. PLAN A88B.
14. FURNISH AND INSTALL DETECTABLE WARNING SURFACE PER CALTRANS STD. PLAN A88B, TYPE A PASSAGEWAY DETAIL.
16. FURNISH AND INSTALL TREE BOX AND TREE. SEE PLANTING SHEETS FOR ADDITIONAL DETAILS.
17. SAWCUT AND INSTALL CONCRETE STREET PANEL AROUND PROPOSED CURB WORK PER DETAIL 2, SHEET D-04. SEE DEMOLITION PLAN FOR SAWCUT LIMITS.
19. INSTALL 1'-0" MIN. AC PLUG FOR NEW CURB WORK ADJACENT TO AC PAVEMENT SECTION.

20 0 10 20 40
SCALE PLAN SCALE FEET

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OAKLAND, CA 94607
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CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER STEVEN B. FRIESON No. C-42110 CIVIL STATE OF CALIFORNIA

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

LAYOUT PLANS

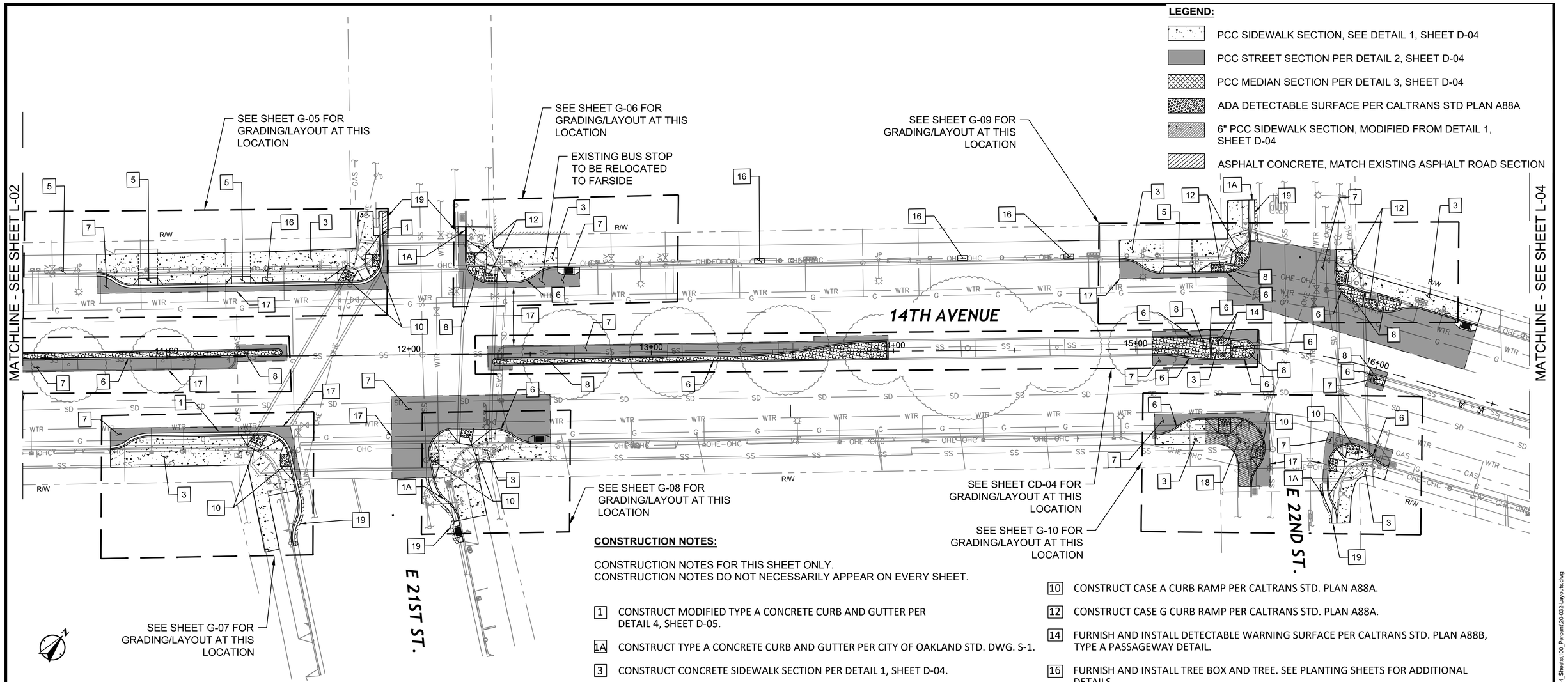
PROJECT NO. 1004251

SCALE: 1"=20'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO. L-02
15 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Layouts.dwg
PLOT DATE: 02-12-24
PLOTTED BY: Maisie MacNaughton

PROJECT TITLE



LEGEND:

- PCC SIDEWALK SECTION, SEE DETAIL 1, SHEET D-04
- PCC STREET SECTION PER DETAIL 2, SHEET D-04
- PCC MEDIAN SECTION PER DETAIL 3, SHEET D-04
- ADA DETECTABLE SURFACE PER CALTRANS STD PLAN A88A
- 6" PCC SIDEWALK SECTION, MODIFIED FROM DETAIL 1, SHEET D-04
- ASPHALT CONCRETE, MATCH EXISTING ASPHALT ROAD SECTION

CONSTRUCTION NOTES:

CONSTRUCTION NOTES FOR THIS SHEET ONLY.
CONSTRUCTION NOTES DO NOT NECESSARILY APPEAR ON EVERY SHEET.

1. CONSTRUCT MODIFIED TYPE A CONCRETE CURB AND GUTTER PER DETAIL 4, SHEET D-05.
1A. CONSTRUCT TYPE A CONCRETE CURB AND GUTTER PER CITY OF OAKLAND STD. DWG. S-1.
3. CONSTRUCT CONCRETE SIDEWALK SECTION PER DETAIL 1, SHEET D-04.
5. CONSTRUCT CONCRETE DRIVEWAY PER DETAIL 1, SHEET D-06.
6. CONSTRUCT 6" CONCRETE RETAINING CURB PER DETAIL 2, SHEET D-05.
7. CONSTRUCT CONCRETE STREET SECTION PANELS PER DETAIL 2, SHEET D-04.
8. CONSTRUCT CONCRETE MEDIAN SECTION PER DETAIL 3, SHEET D-04.
10. CONSTRUCT CASE A CURB RAMP PER CALTRANS STD. PLAN A88A.
12. CONSTRUCT CASE G CURB RAMP PER CALTRANS STD. PLAN A88A.
14. FURNISH AND INSTALL DETECTABLE WARNING SURFACE PER CALTRANS STD. PLAN A88B, TYPE A PASSAGEWAY DETAIL.
16. FURNISH AND INSTALL TREE BOX AND TREE. SEE PLANTING SHEETS FOR ADDITIONAL DETAILS.
17. SAWCUT AND INSTALL CONCRETE STREET PANEL AROUND PROPOSED CURB WORK PER DETAIL 2, SHEET D-04. SEE DEMOLITION PLAN FOR SAWCUT LIMITS.
18. CONSTRUCT 6" CONCRETE SIDEWALK SECTION, MODIFIED FROM DETAIL 1, SHEET D-04.
19. INSTALL 1'-0" MIN. AC PLUG FOR NEW CURB WORK ADJACENT TO AC PAVEMENT SECTION.

GENERAL NOTES:

1. FOR NOTES, LEGEND AND ABBREVIATIONS SEE SHEET GN-01.
2. FOR DEMOLITION, DRAINAGE, GRADING, AND SIGNING AND STRIPING DRAWING NUMBERS AT THIS LOCATIONS, SEE SHEET T-01, KEY MAP.
3. SEE SHEET XS-01 FOR TYPICAL CROSS SECTION.

20 0 10 20 40
SCALE PLAN SCALE FEET

alta
304 12TH ST, SUITE 2A
OAKLAND, CA 94607
p:510.540.5008

CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER STEVEN B. FRITSON No. C-42110 CIVIL STATE OF CALIFORNIA

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

LAYOUT PLANS

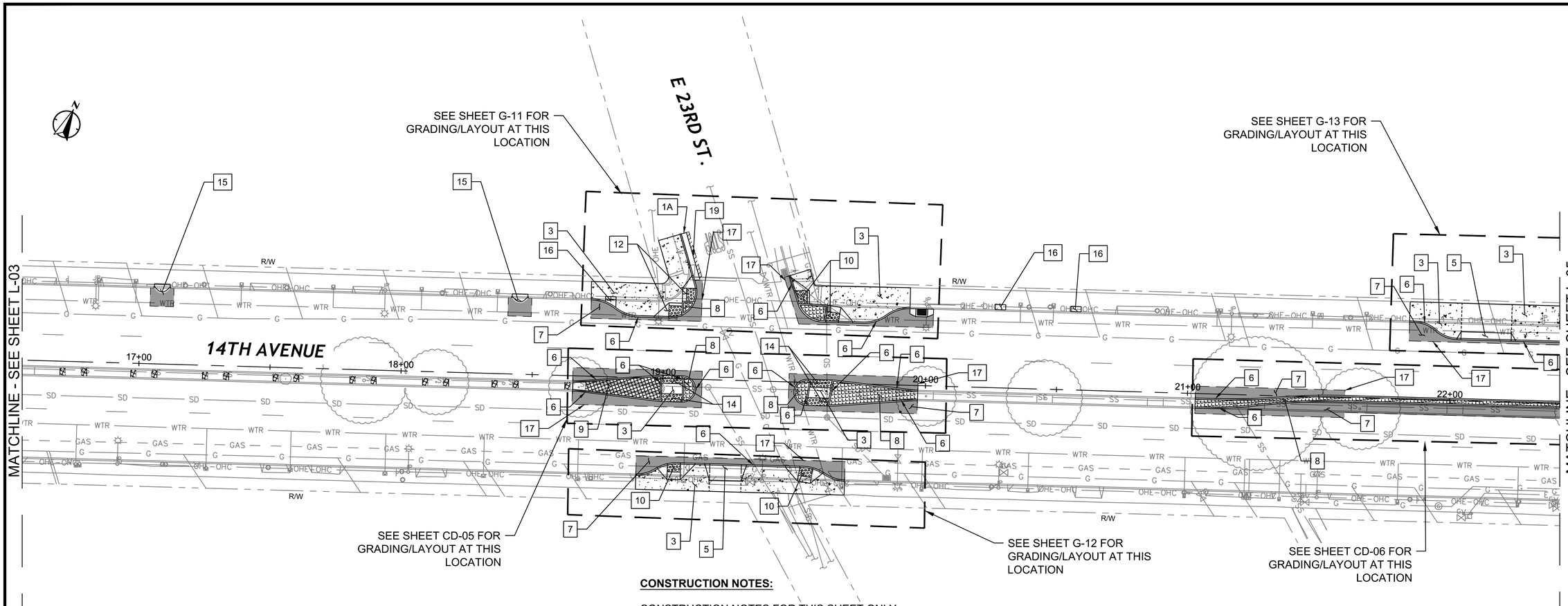
PROJECT NO. 1004251

SCALE: 1"=20'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO. L-03
16 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Layouts.dwg
PLOT DATE: 02-12-24
PLOTTED BY: MaiseiMacNaughton

PROJECT TITLE



LEGEND:

- PCC SIDEWALK SECTION, SEE DETAIL 1, SHEET D-04
- PCC STREET SECTION PER DETAIL 2, SHEET D-04
- PCC MEDIAN SECTION PER DETAIL 3, SHEET D-04
- PLANTING SECTIONS, SEE PLANTING PLAN SHEETS
- ADA DETECTABLE SURFACE PER CALTRANS STD PLAN A88A
- ASPHALT CONCRETE, MATCH EXISTING ASPHALT ROAD SECTION

GENERAL NOTES:

1. FOR NOTES, LEGEND AND ABBREVIATIONS SEE SHEET GN-01.
2. FOR DEMOLITION, DRAINAGE, GRADING, AND SIGNING AND STRIPING DRAWING NUMBERS AT THIS LOCATIONS, SEE SHEET T-01, KEY MAP.
3. SEE SHEET XS-01 FOR TYPICAL CROSS SECTION.

CONSTRUCTION NOTES:

CONSTRUCTION NOTES FOR THIS SHEET ONLY.
CONSTRUCTION NOTES DO NOT NECESSARILY APPEAR ON EVERY SHEET.

1A CONSTRUCT TYPE A CONCRETE CURB AND GUTTER PER CITY OF OAKLAND STD. DWG. S-1.

3 CONSTRUCT CONCRETE SIDEWALK SECTION PER DETAIL 1, SHEET D-04.

5 CONSTRUCT CONCRETE DRIVEWAY PER DETAIL 1, SHEET D-06.

6 CONSTRUCT 6" CONCRETE RETAINING CURB PER DETAIL 2, SHEET D-05.

7 CONSTRUCT CONCRETE STREET SECTION PANELS PER DETAIL 2, SHEET D-04.

8 CONSTRUCT CONCRETE MEDIAN SECTION PER DETAIL 3, SHEET D-04.

9 CONSTRUCT LANDSCAPED MEDIAN PER PLANTING PLANS.

10 CONSTRUCT CASE A CURB RAMP PER CALTRANS STD. PLAN A88A.

12 CONSTRUCT CASE G CURB RAMP PER CALTRANS STD. PLAN A88A.

14 FURNISH AND INSTALL DETECTABLE WARNING SURFACE PER CALTRANS STD. PLAN A88B, TYPE A PASSAGEWAY DETAIL.

15 CONSTRUCT TREE BULB PER DETAIL 1, SHEET D-05.

16 FURNISH AND INSTALL TREE BOX AND TREE. SEE PLANTING SHEETS FOR ADDITIONAL DETAILS.

17 SAWCUT AND INSTALL CONCRETE STREET PANEL AROUND PROPOSED CURB WORK PER DETAIL 2, SHEET D-04. SEE DEMOLITION PLAN FOR SAWCUT LIMITS.

19 INSTALL 1'-0" MIN. AC PLUG FOR NEW CURB WORK ADJACENT TO AC PAVEMENT SECTION.

20 0 10 20 40
SCALE PLAN SCALE FEET

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CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

LAYOUT PLANS

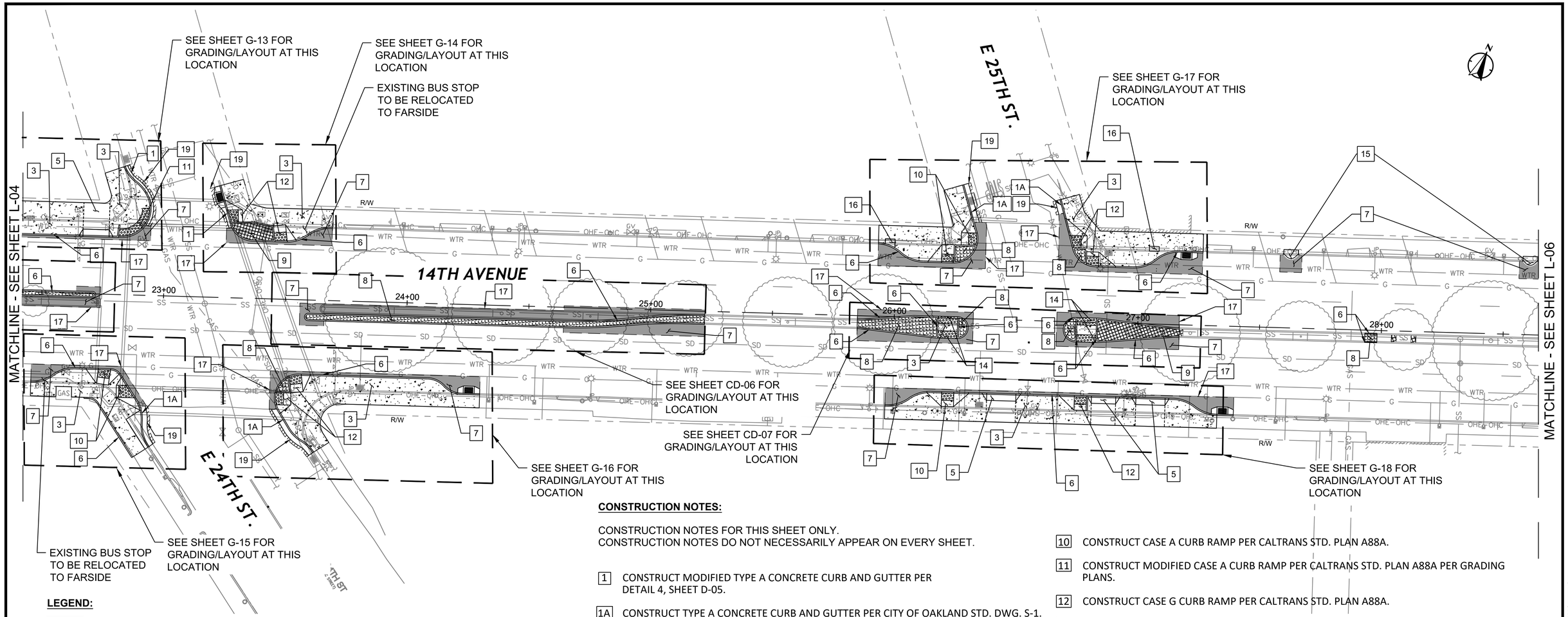
PROJECT NO. 1004251

SCALE: 1"=20'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO. L-04
17 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Layouts.dwg
PLOT DATE: 02-12-24
PLOTTED BY: Maisie MacNaughton

PROJECT TITLE



LEGEND:

- PCC SIDEWALK SECTION, SEE DETAIL 1, SHEET D-04
- PCC STREET SECTION PER DETAIL 2, SHEET D-04
- PCC MEDIAN SECTION PER DETAIL 3, SHEET D-04
- PLANTING SECTIONS, SEE PLANTING PLAN SHEETS
- ADA DETECTABLE SURFACE PER CALTRANS STD PLAN A88A
- ASPHALT CONCRETE, MATCH EXISTING ASPHALT ROAD SECTION

CONSTRUCTION NOTES:

CONSTRUCTION NOTES FOR THIS SHEET ONLY.
CONSTRUCTION NOTES DO NOT NECESSARILY APPEAR ON EVERY SHEET.

1. CONSTRUCT MODIFIED TYPE A CONCRETE CURB AND GUTTER PER DETAIL 4, SHEET D-05.
1A. CONSTRUCT TYPE A CONCRETE CURB AND GUTTER PER CITY OF OAKLAND STD. DWG. S-1.
3. CONSTRUCT CONCRETE SIDEWALK SECTION PER DETAIL 1, SHEET D-04.
5. CONSTRUCT CONCRETE DRIVEWAY PER DETAIL 1, SHEET D-06.
6. CONSTRUCT 6" CONCRETE RETAINING CURB PER DETAIL 2, SHEET D-05..
7. CONSTRUCT CONCRETE STREET SECTION PANELS PER DETAIL 2, SHEET D-04.
8. CONSTRUCT CONCRETE MEDIAN SECTION PER DETAIL 3, SHEET D-04.
9. CONSTRUCT LANDSCAPED MEDIAN PER PLANTING PLANS.
10. CONSTRUCT CASE A CURB RAMP PER CALTRANS STD. PLAN A88A.
11. CONSTRUCT MODIFIED CASE A CURB RAMP PER CALTRANS STD. PLAN A88A PER GRADING PLANS.
12. CONSTRUCT CASE G CURB RAMP PER CALTRANS STD. PLAN A88A.
14. FURNISH AND INSTALL DETECTABLE WARNING SURFACE PER CALTRANS STD. PLAN A88B, TYPE A PASSAGEWAY DETAIL.
15. CONSTRUCT TREE BULB PER DETAIL 1, SHEET D-05.
16. FURNISH AND INSTALL TREE BOX AND TREE. SEE PLANTING SHEETS FOR ADDITIONAL DETAILS.
17. SAWCUT AND INSTALL CONCRETE STREET PANEL AROUND PROPOSED CURB WORK PER DETAIL 2, SHEET D-04. SEE DEMOLITION PLAN FOR SAWCUT LIMITS.
19. INSTALL 1'-0" MIN. AC PLUG FOR NEW CURB WORK ADJACENT TO AC PAVEMENT SECTION.

GENERAL NOTES:

1. FOR NOTES, LEGEND AND ABBREVIATIONS SEE SHEET GN-01.
2. FOR DEMOLITION, DRAINAGE, GRADING, AND SIGNING AND STRIPING DRAWING NUMBERS AT THIS LOCATIONS, SEE SHEET T-01, KEY MAP.
3. SEE SHEET XS-01 FOR TYPICAL CROSS SECTION.

20 0 10 20 40
SCALE PLAN SCALE FEET

alta
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OAKLAND, CA 94607
p:510.540.5008

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DESIGNED BY	JW
DRAWN BY	JP

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

LAYOUT PLANS

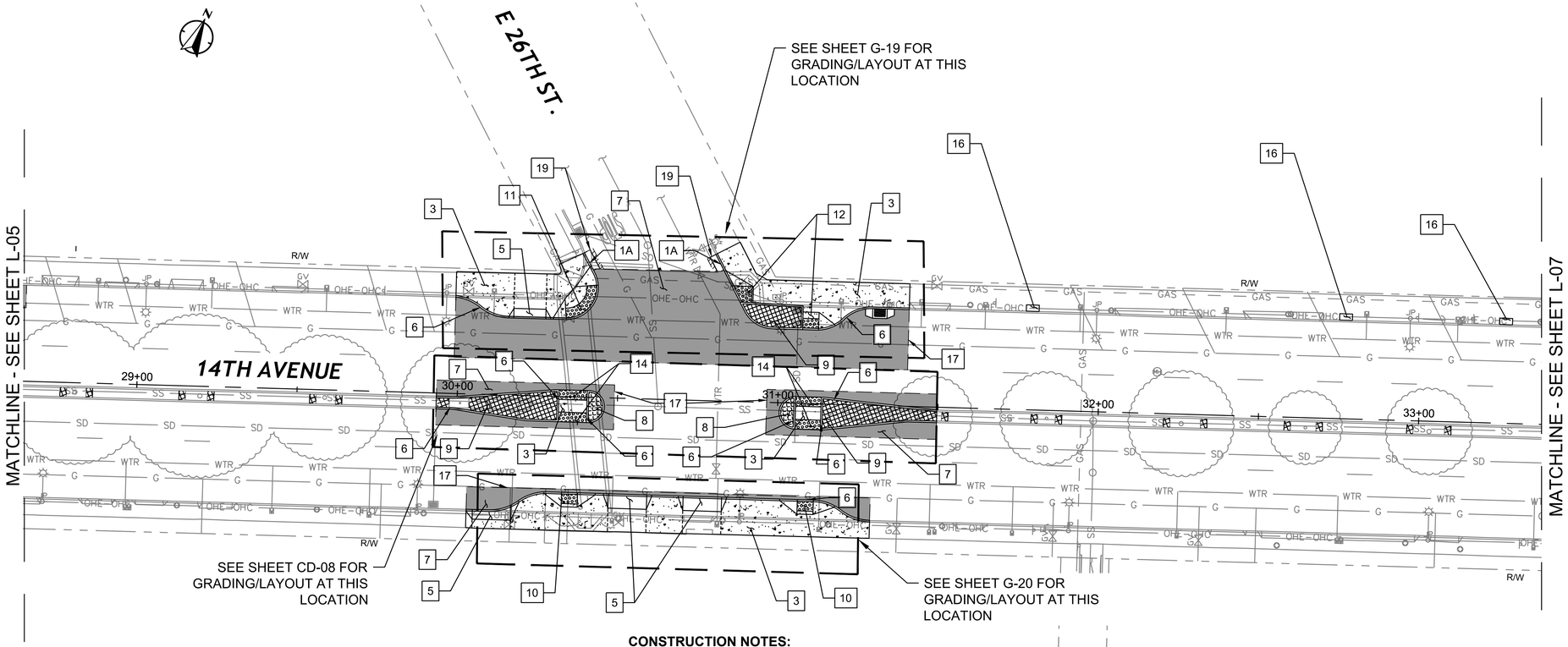
PROJECT NO. 1004251

SCALE: 1"=20'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO. L-05
18 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Layouts.dwg
PLOT DATE: 02-12-24
PLOTTED BY: MaisieMacNaughton

PROJECT TITLE



CONSTRUCTION NOTES:

CONSTRUCTION NOTES FOR THIS SHEET ONLY.
CONSTRUCTION NOTES DO NOT NECESSARILY APPEAR ON EVERY SHEET.

1A CONSTRUCT TYPE A CONCRETE CURB AND GUTTER PER CITY OF OAKLAND STD. DWG. S-1.

3 CONSTRUCT CONCRETE SIDEWALK SECTION PER DETAIL 1, SHEET D-04.

5 CONSTRUCT CONCRETE DRIVEWAY PER DETAIL 1, SHEET D-06.

6 CONSTRUCT 6" CONCRETE RETAINING CURB PER DETAIL 2, SHEET D-05.

7 CONSTRUCT CONCRETE STREET SECTION PANELS PER DETAIL 2, SHEET D-04.

8 CONSTRUCT CONCRETE MEDIAN SECTION PER DETAIL 3, SHEET D-04.

9 CONSTRUCT LANDSCAPED MEDIAN PER PLANTING PLANS.

10 CONSTRUCT CASE A CURB RAMP PER CALTRANS STD. PLAN A88A.

11 CONSTRUCT MODIFIED CASE A CURB RAMP PER GRADING PLANS.

12 CONSTRUCT CASE G CURB RAMP PER CALTRANS STD. PLAN A88A.

14 FURNISH AND INSTALL DETECTABLE WARNING SURFACE PER CALTRANS STD. PLAN A88B, TYPE A PASSAGEWAY DETAIL.

16 FURNISH AND INSTALL TREE BOX AND TREE. SEE PLANTING SHEETS FOR ADDITIONAL DETAILS.

17 SAWCUT AND INSTALL CONCRETE STREET PANEL AROUND PROPOSED CURB WORK PER DETAIL 2, SHEET D-04. SEE DEMOLITION PLAN FOR SAWCUT LIMITS.

19 INSTALL 1'-0" MIN. AC PLUG FOR NEW CURB WORK ADJACENT TO AC PAVEMENT SECTION.

LEGEND:

- PCC SIDEWALK SECTION, SEE DETAIL 1, SHEET D-04
- PCC STREET SECTION PER DETAIL 2, SHEET D-04
- PCC MEDIAN SECTION PER DETAIL 3, SHEET D-04
- PLANTING SECTIONS, SEE PLANTING PLAN SHEETS
- ADA DETECTABLE SURFACE PER CALTRANS STD PLAN A88A
- ASPHALT CONCRETE, MATCH EXISTING ASPHALT ROAD SECTION

GENERAL NOTES:

1. FOR NOTES, LEGEND AND ABBREVIATIONS SEE SHEET GN-01.
2. FOR DEMOLITION, DRAINAGE, GRADING, AND SIGNING AND STRIPING DRAWING NUMBERS AT THIS LOCATIONS, SEE SHEET T-01, KEY MAP.
3. SEE SHEET XS-01 FOR TYPICAL CROSS SECTION.

20 0 10 20 40
SCALE PLAN SCALE FEET

alta
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DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER STEVEN B. FRIESON No. C-42110 CIVIL STATE OF CALIFORNIA

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

LAYOUT PLANS

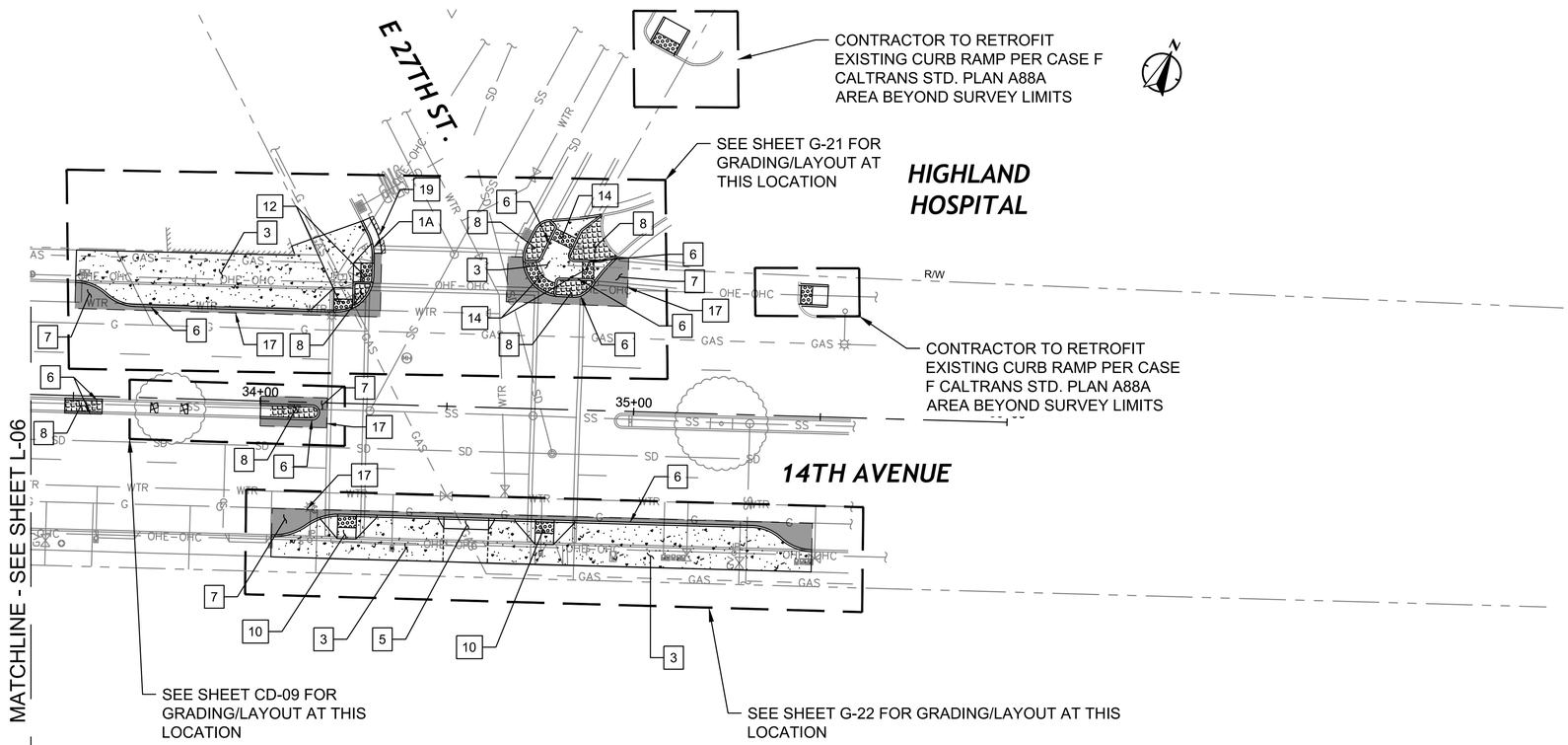
PROJECT NO. 1004251

SCALE: 1"=20'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO. L-06
19 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Layouts.dwg
PLOT DATE: 02-12-24
PLOTTED BY: Maisie/MacNaughton

14TH AVENUE STREETSCAPE



LEGEND:

- PCC SIDEWALK SECTION, SEE DETAIL 1, SHEET D-04
- PCC MEDIAN SECTION PER DETAIL 3, SHEET D-04
- ADA DETECTABLE SURFACE PER CALTRANS STD PLAN A88A
- ASPHALT CONCRETE, MATCH EXISTING ASPHALT ROAD SECTION
- PLANTING SECTIONS, SEE PLANTING PLAN SHEETS

CONSTRUCTION NOTES:

CONSTRUCTION NOTES FOR THIS SHEET ONLY.
CONSTRUCTION NOTES DO NOT NECESSARILY APPEAR ON EVERY SHEET.

1A CONSTRUCT TYPE A CONCRETE CURB AND GUTTER PER CITY OF OAKLAND STD. DWG. S-1.

3 CONSTRUCT CONCRETE SIDEWALK SECTION PER DETAIL 1, SHEET D-04.

5 CONSTRUCT CONCRETE DRIVEWAY PER DETAIL 1, SHEET D-06.

6 CONSTRUCT 6" CONCRETE RETAINING CURB PER DETAIL 2, SHEET D-05.

7 CONSTRUCT CONCRETE STREET SECTION PANELS PER DETAIL 2, SHEET D-04.

8 CONSTRUCT CONCRETE MEDIAN SECTION PER DETAIL 3, SHEET D-04.

10 CONSTRUCT CASE A CURB RAMP PER CALTRANS STD. PLAN A88A.

12 CONSTRUCT CASE G CURB RAMP PER CALTRANS STD. PLAN A88A.

14 FURNISH AND INSTALL DETECTABLE WARNING SURFACE PER CALTRANS STD. PLAN A88B, TYPE A PASSAGEWAY DETAIL.

17 SAWCUT AND INSTALL CONCRETE STREET PANEL AROUND PROPOSED CURB WORK PER DETAIL 2, SHEET D-04. SEE DEMOLITION PLAN FOR SAWCUT LIMITS.

19 INSTALL 1'-0" MIN. AC PLUG FOR NEW CURB WORK ADJACENT TO AC PAVEMENT SECTION.

GENERAL NOTES:

1. FOR NOTES, LEGEND AND ABBREVIATIONS SEE SHEET GN-01.
2. FOR DEMOLITION, DRAINAGE, GRADING, AND SIGNING AND STRIPING DRAWING NUMBERS AT THIS LOCATIONS, SEE SHEET T-01, KEY MAP.
3. SEE SHEET XS-01 FOR TYPICAL CROSS SECTION.

20 0 10 20 40
SCALE PLAN SCALE FEET

alta
304 12TH ST, SUITE 2A
OAKLAND, CA 94607
p:510.540.5008

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DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER STEVEN B. FRIESON No. C-42110 CIVIL STATE OF CALIFORNIA

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DEPARTMENT OF TRANSPORTATION
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OAKLAND, CA 94612
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FAX (510) 238-7227

14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

LAYOUT PLANS

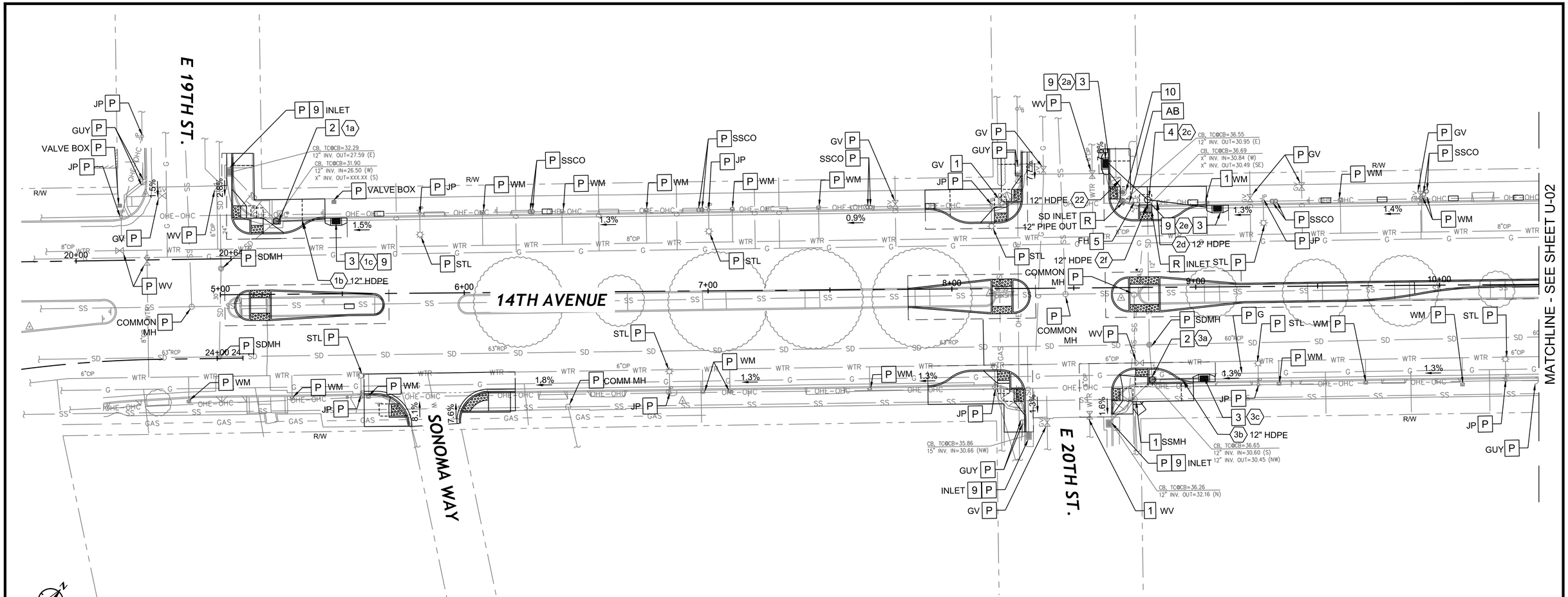
PROJECT NO. 1004251

SCALE: 1"=20'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO. L-07
20 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Layouts.dwg
PLOT DATE: 02-12-24
PLOTTED BY: MaisieMacNaughton

14TH AVENUE STREETSCAPE



GENERAL NOTES (THIS SHEET ONLY):

1. FOR NOTES, LEGEND AND ABBREVIATIONS SEE SHEET GN-01.
2. FOR DEMOLITION, LAYOUTS, GRADING, AND SIGNING AND STRIPING DRAWING NUMBERS AT THIS LOCATIONS, SEE SHEET T-01, KEY MAP.
3. LOCATION OF ALL UNDERGROUND AND OVERHEAD UTILITIES ARE APPROXIMATE AND BASED ON AVAILABLE RECORDS AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATIONS AND VERIFY ALL CONDITIONS ON THE JOB SITE. CALL USA PRIOR TO WORK.
4. ALL ABANDONED STORM DRAIN PIPES SHALL BE PLUGGED WITH CONCRETE PLUG PER GREENBOOK SECTION 306-3 FOR PLUG THICKNESS.

UTILITY NOTES (THIS SHEET ONLY):

- 1 ADJUST EXISTING UTILITY TO FINISHED GRADE, PER PLANS.
- 2 CONVERT EXISTING STORM DRAIN INLET INTO JUNCTION BOX PER DETAIL 4, SHEET D-03.
- 3 CONSTRUCT NEW TYPE B INLET AND CURB & GUTTER PER CITY OF OAKLAND STD. DWG. D-4. ALL NEW CATCH BASINS TO INCLUDE A TRASH CAPTURE DEVICE PER CITY OF OAKLAND STD. DWG. D-37-1.
- 4 CONSTRUCT NEW TYPE 1 MANHOLE PER CITY STD. DWG. D-11.
- 5 UTILITY RELOCATE (BY EBMUD)
- 9 FURNISH AND INSTALL TRASH CAPTURE DEVICE PER DETAIL 2, SHEET D-03.
- 10 ADJUST EXISTING MONUMENT TO FINISHED GRADE, PER PLANS.
- P PROTECT IN PLACE EXISTING UTILITY STRUCTURE, PER PLANS.
- R REMOVE EXISTING UTILITY STRUCTURE, PER PLANS.
- AB ABANDON EX. PIPE

20 0 10 20 40
SCALE PLAN SCALE FEET

alta
304 12TH ST, SUITE 2A
OAKLAND, CA 94607
p:510.540.5008

CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER STEVEN B. FRIESON No. C-42110 CIVIL STATE OF CALIFORNIA

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

DRAINAGE & UTILITY PLANS

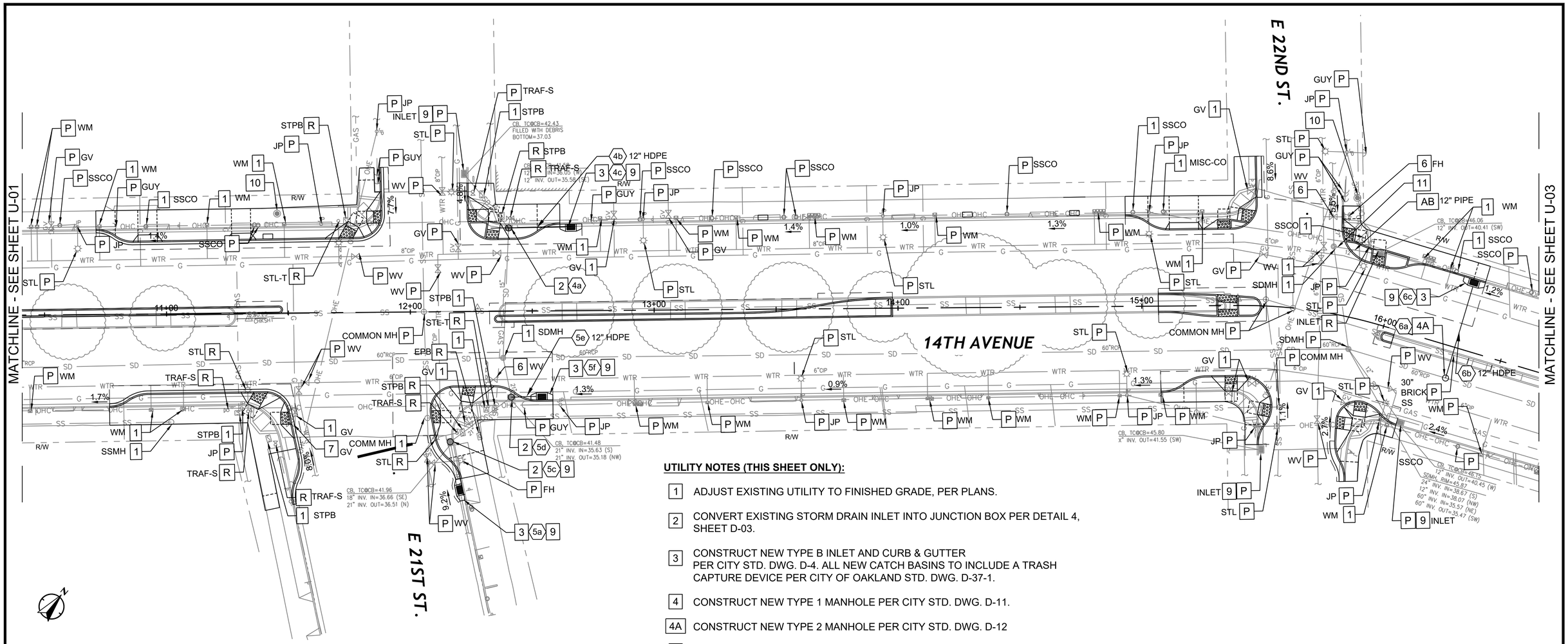
PROJECT NO. 1004251

SCALE: 1"=20'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO. U-01
21 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Drainage.dwg
PLOT DATE: 02-12-24
PLOTTED BY: MaiseMacNaughton

14TH AVENUE STREETSCAPE



GENERAL NOTES (THIS SHEET ONLY):

1. FOR NOTES, LEGEND AND ABBREVIATIONS SEE SHEET GN-01.
2. FOR DEMOLITION, LAYOUTS, GRADING, AND SIGNING AND STRIPING DRAWING NUMBERS AT THIS LOCATIONS, SEE SHEET T-01, KEY MAP.
3. LOCATION OF ALL UNDERGROUND AND OVERHEAD UTILITIES ARE APPROXIMATE AND BASED ON AVAILABLE RECORDS AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATIONS AND VERIFY ALL CONDITIONS ON THE JOB SITE. CALL USA PRIOR TO WORK.
4. ALL ABANDONED STORM DRAIN PIPES SHALL BE PLUGGED WITH CONCRETE PLUG PER GREENBOOK SECTION 306-3 FOR PLUG THICKNESS.

UTILITY NOTES (THIS SHEET ONLY):

- 1 ADJUST EXISTING UTILITY TO FINISHED GRADE, PER PLANS.
- 2 CONVERT EXISTING STORM DRAIN INLET INTO JUNCTION BOX PER DETAIL 4, SHEET D-03.
- 3 CONSTRUCT NEW TYPE B INLET AND CURB & GUTTER PER CITY STD. DWG. D-4. ALL NEW CATCH BASINS TO INCLUDE A TRASH CAPTURE DEVICE PER CITY OF OAKLAND STD. DWG. D-37-1.
- 4 CONSTRUCT NEW TYPE 1 MANHOLE PER CITY STD. DWG. D-11.
- 4A CONSTRUCT NEW TYPE 2 MANHOLE PER CITY STD. DWG. D-12
- 6 UTILITY ADJUST TO FINISHED GRADE (BY EBMUD >0.5")
- 7 UTILITY RELOCATE (BY PG&E)
- 9 FURNISH AND INSTALL TRASH CAPTURE DEVICE PER DETAIL 2, SHEET D-03.
- 10 ADJUST EXISTING MONUMENT TO FINISHED GRADE, PER PLANS.
- 11 INSTALL 8" MIN. LENGTH CONCRETE PLUG INSIDE PIPE AT ABANDONED ENTRY TO STORM DRAIN STRUCTURE
- P PROTECT IN PLACE EXISTING UTILITY STRUCTURE, PER PLANS.
- R REMOVE EXISTING UTILITY STRUCTURE, PER PLANS.
- AB ABANDON EX. PIPE

20 0 10 20 40
SCALE PLAN SCALE FEET

alta
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OAKLAND, CA 94607
p:510.540.5008

CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER STEVEN B. FRITZSON No. C-42110 CIVIL STATE OF CALIFORNIA

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DEPARTMENT OF TRANSPORTATION
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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

DRAINAGE & UTILITY PLANS

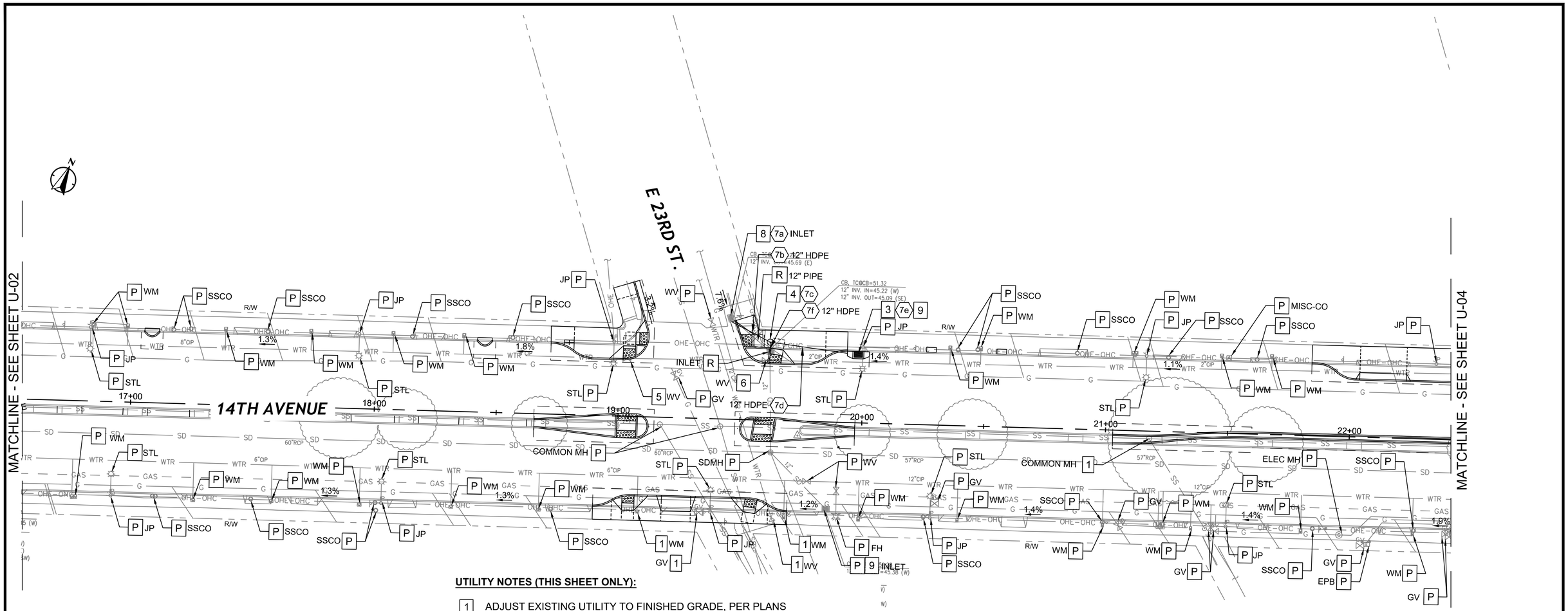
PROJECT NO. 1004251

SCALE: 1"=20'
HOR:
VERT:
DATE: 7/11/2024

SHEET NO. U-02
22 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Drainage.dwg
PLOT DATE: 07-22-24
PLOTTED BY: Chris Allen

14TH AVENUE STREETSCAPE



UTILITY NOTES (THIS SHEET ONLY):

1 ADJUST EXISTING UTILITY TO FINISHED GRADE, PER PLANS

3 CONSTRUCT NEW TYPE B INLET AND CURB & GUTTER PER CITY OF OAKLAND STD. DWG. D-4. ALL NEW CATCH BASINS TO INCLUDE A TRASH CAPTURE DEVICE PER CITY OF OAKLAND STD. DWG. D-37-1.

4 CONSTRUCT NEW TYPE 1 MANHOLE PER CITY STD. DWG. D-11.

5 UTILITY RELOCATE (BY EBMUD)

6 UTILITY ADJUST TO FINISHED GRADE (BY EBMUD >0.5")

8 MODIFY EXISTING SD STRUCTURE FOR NEW PIPE.

9 FURNISH AND INSTALL TRASH CAPTURE DEVICE PER DETAIL 2, SHEET D-03.

P PROTECT IN PLACE EXISTING UTILITY STRUCTURE, PER PLANS

R REMOVE EXISTING UTILITY STRUCTURE, PER PLANS.

GENERAL NOTES (THIS SHEET ONLY):

1. FOR NOTES, LEGEND AND ABBREVIATIONS SEE SHEET GN-01.
2. FOR DEMOLITION, LAYOUTS, GRADING, AND SIGNING AND STRIPING DRAWING NUMBERS AT THIS LOCATIONS, SEE SHEET T-01, KEY MAP.
3. LOCATION OF ALL UNDERGROUND AND OVERHEAD UTILITIES ARE APPROXIMATE AND BASED ON AVAILABLE RECORDS AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATIONS AND VERIFY ALL CONDITIONS ON THE JOB SITE. CALL USA PRIOR TO WORK.
4. ALL ABANDONED STORM DRAIN PIPES SHALL BE PLUGGED WITH CONCRETE PLUG PER GREENBOOK SECTION 306-3 FOR PLUG THICKNESS.

20 0 10 20 40
SCALE PLAN SCALE FEET

alta
304 12TH ST, SUITE 2A
OAKLAND, CA 94607
p:510.540.5008

CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER STEVEN B. FRIESON No. C-42110 CIVIL STATE OF CALIFORNIA

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

DRAINAGE & UTILITY PLANS

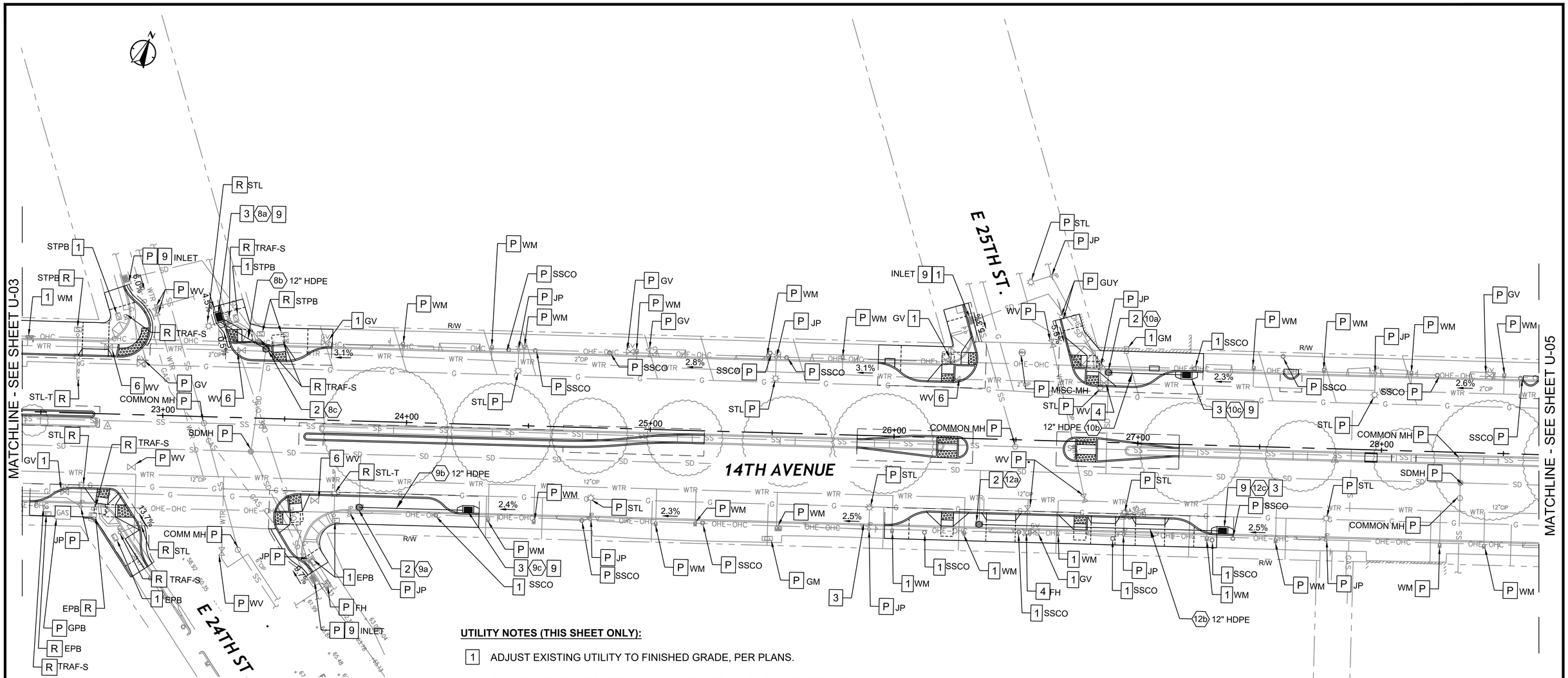
PROJECT NO. 1004251

SCALE: 1"=20'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO. U-03
23 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Drainage.dwg
PLOT DATE: 02-12-24
PLOTTED BY: MaiseMacNaughton

14TH AVENUE STREETSCAPE



GENERAL NOTES (THIS SHEET ONLY):

1. FOR NOTES, LEGEND AND ABBREVIATIONS SEE SHEET GN-01.
2. FOR DEMOLITION, LAYOUTS, GRADING, AND SIGNING AND STRIPING DRAWING NUMBERS AT THIS LOCATIONS, SEE SHEET T-01, KEY MAP.
3. LOCATION OF ALL UNDERGROUND AND OVERHEAD UTILITIES ARE APPROXIMATE AND BASED ON AVAILABLE RECORDS AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATIONS AND VERIFY ALL CONDITIONS ON THE JOB SITE. CALL USA PRIOR TO WORK.
4. ALL ABANDONED STORM DRAIN PIPES SHALL BE PLUGGED WITH CONCRETE PLUG PER GREENBOOK SECTION 306-3 FOR PLUG THICKNESS.

UTILITY NOTES (THIS SHEET ONLY):

1 ADJUST EXISTING UTILITY TO FINISHED GRADE, PER PLANS.

2 CONVERT EXISTING STORM DRAIN INLET INTO JUNCTION BOX PER DETAIL 4, SHEET D-03.

3 CONSTRUCT NEW TYPE B INLET AND CURB & GUTTER PER CITY OF OAKLAND STD. DWG. D-4. ALL NEW CATCH BASINS TO INCLUDE A TRASH CAPTURE DEVICE PER CITY OF OAKLAND STD. DWG. D-37-1.

4 UTILITY RELOCATE (BY EBMUD)

6 UTILITY ADJUST TO FINISHED GRADE (BY EBMUD >0.5")

9 FURNISH AND INSTALL TRASH CAPTURE DEVICE PER DETAIL 2, SHEET D-03.

P PROTECT IN PLACE EXISTING UTILITY STRUCTURE, PER PLANS.

R REMOVE EXISTING UTILITY STRUCTURE, PER PLANS.

20 0 10 20 40
SCALE PLAN SCALE FEET

alta
304 12TH ST, SUITE 2A
OAKLAND, CA 94607
p:510.540.5008

CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

DRAINAGE & UTILITY PLANS

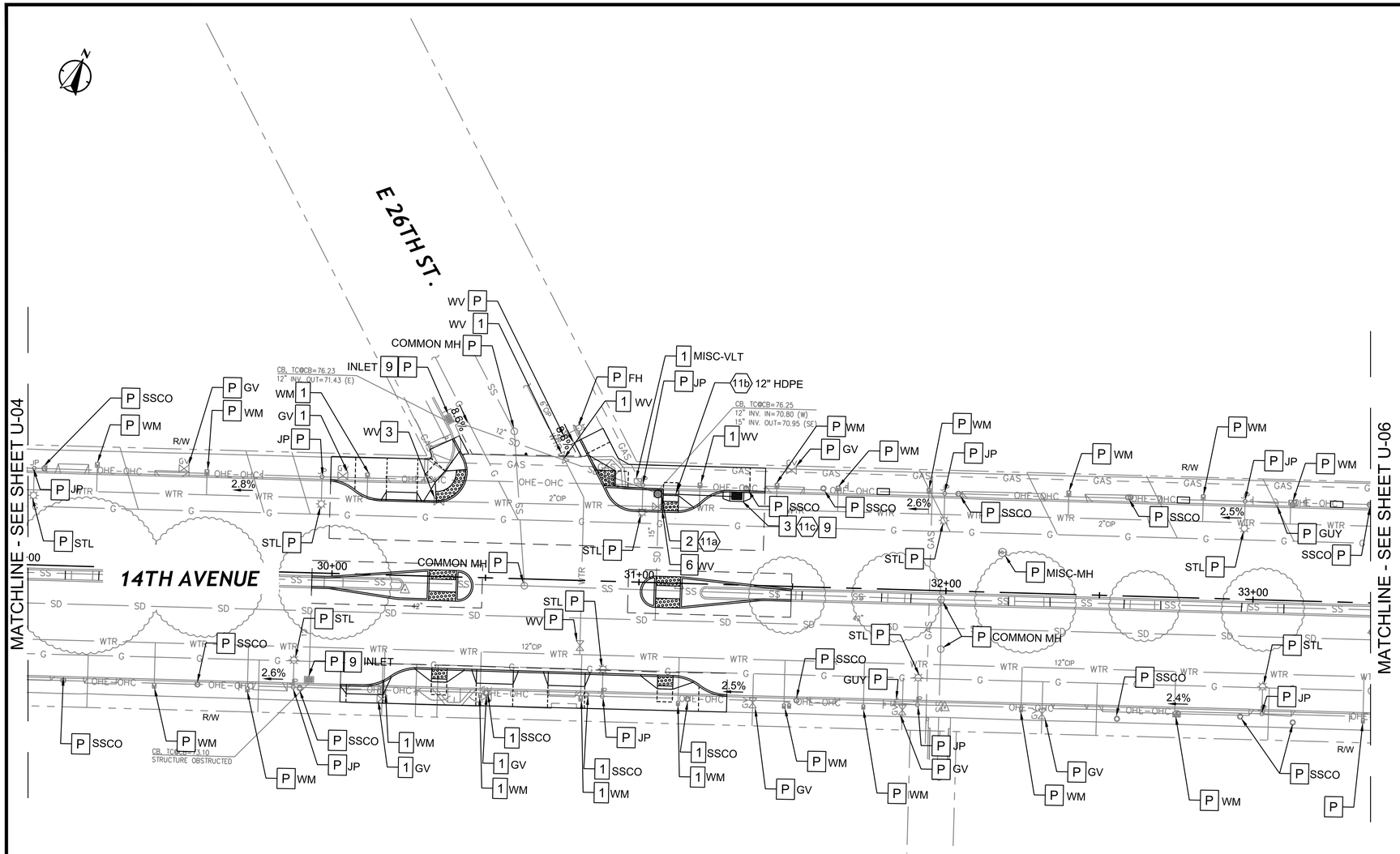
PROJECT NO.
1004251

SCALE: 1"=20'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO.
U-04
24 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Drainage.dwg
PLOT DATE: 02-12-24
PLOTTED BY: MaselMacNaughton

14TH AVENUE STREETSCAPE



GENERAL NOTES (THIS SHEET ONLY):

1. FOR NOTES, LEGEND AND ABBREVIATIONS SEE SHEET GN-01.
2. FOR DEMOLITION, LAYOUTS, GRADING, AND SIGNING AND STRIPING DRAWING NUMBERS AT THIS LOCATIONS, SEE SHEET T-01, KEY MAP.
3. LOCATION OF ALL UNDERGROUND AND OVERHEAD UTILITIES ARE APPROXIMATE AND BASED ON AVAILABLE RECORDS AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATIONS AND VERIFY ALL CONDITIONS ON THE JOB SITE. CALL USA PRIOR TO WORK.
4. ALL ABANDONED STORM DRAIN PIPES SHALL BE PLUGGED WITH CONCRETE PLUG PER GREENBOOK SECTION 306-3 FOR PLUG THICKNESS.

UTILITY NOTES (THIS SHEET ONLY):

1 ADJUST EXISTING UTILITY TO FINISHED GRADE, PER PLANS.

2 CONVERT EXISTING STORM DRAIN INLET INTO JUNCTION BOX PER DETAIL 4, SHEET D-03.

3 UTILITY RELOCATE (BY EBMUD)

6 UTILITY ADJUST TO FINISHED GRADE (BY EBMUD >0.5")

9 FURNISH AND INSTALL TRASH CAPTURE DEVICE PER DETAIL 2, SHEET D-03.

P PROTECT IN PLACE EXISTING UTILITY STRUCTURE, PER PLANS.

20 0 10 20 40
SCALE PLAN SCALE FEET

alta
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OAKLAND, CA 94607
p:510.540.5008

CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER STEVEN B. FRITSON No. C-42110 CIVIL STATE OF CALIFORNIA

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

DRAINAGE & UTILITY PLANS

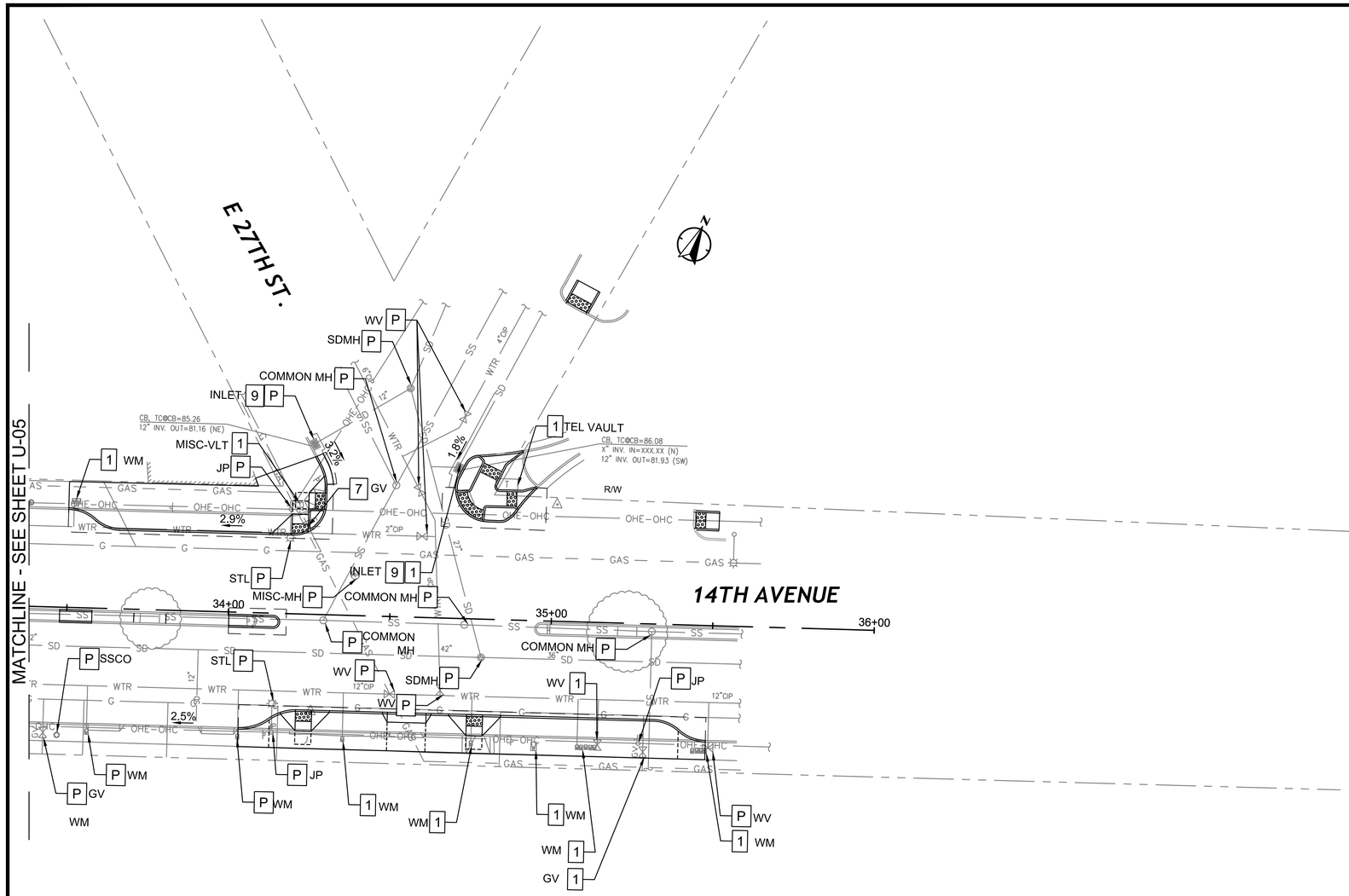
PROJECT NO. 1004251

SCALE: 1"=20'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO. U-05
25 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Drainage.dwg
PLOT DATE: 02-12-24
PLOTTED BY: MasieMacNaughton

14TH AVENUE STREETSCAPE



GENERAL NOTES (THIS SHEET ONLY):

1. FOR NOTES, LEGEND AND ABBREVIATIONS SEE SHEET GN-01.
2. FOR DEMOLITION, LAYOUTS, GRADING, AND SIGNING AND STRIPING DRAWING NUMBERS AT THIS LOCATIONS, SEE SHEET T-01, KEY MAP.
3. LOCATION OF ALL UNDERGROUND AND OVERHEAD UTILITIES ARE APPROXIMATE AND BASED ON AVAILABLE RECORDS AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATIONS AND VERIFY ALL CONDITIONS ON THE JOB SITE. CALL USA PRIOR TO WORK.
4. ALL ABANDONED STORM DRAIN PIPES SHALL BE PLUGGED WITH CONCRETE PLUG PER GREENBOOK SECTION 306-3 FOR PLUG THICKNESS.

UTILITY NOTES (THIS SHEET ONLY):

1 ADJUST EXISTING UTILITY TO FINISHED GRADE, PER PLANS.

7 UTILITY RELOCATE (BY PG&E)

9 FURNISH AND INSTALL TRASH CAPTURE DEVICE PER DETAIL 2, SHEET D-03.

P PROTECT IN PLACE EXISTING UTILITY STRUCTURE, PER PLANS.

20 0 10 20 40
SCALE PLAN SCALE FEET

alta
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OAKLAND, CA 94607
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CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER STEVEN B. FRIESON No. C-42110 CIVIL STATE OF CALIFORNIA

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

DRAINAGE & UTILITY PLANS

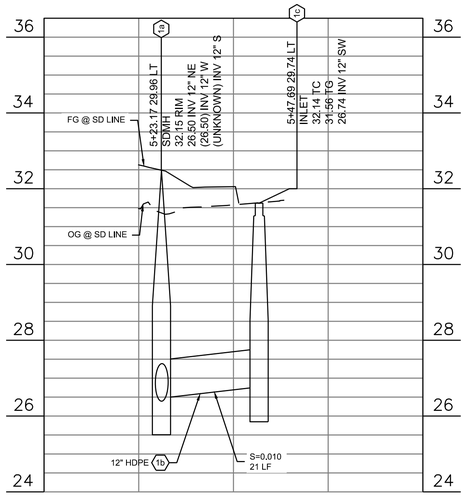
PROJECT NO.
1004251

SCALE: 1"=20'
HOR:
VERT:
DATE: 10/31/2023

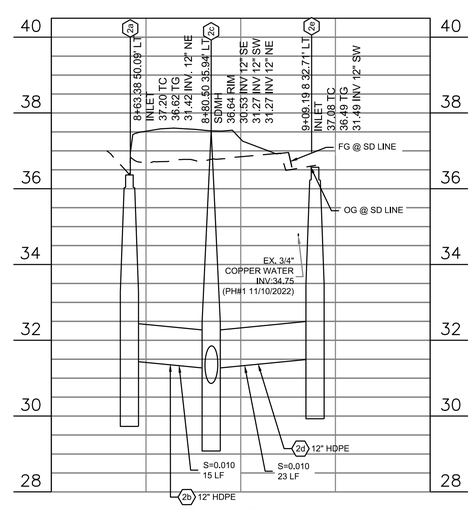
SHEET NO.
U-06
26 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\20-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Drainage.dwg
PLOT DATE: 02-12-24
PLOTTED BY: MaiseMacNaughton

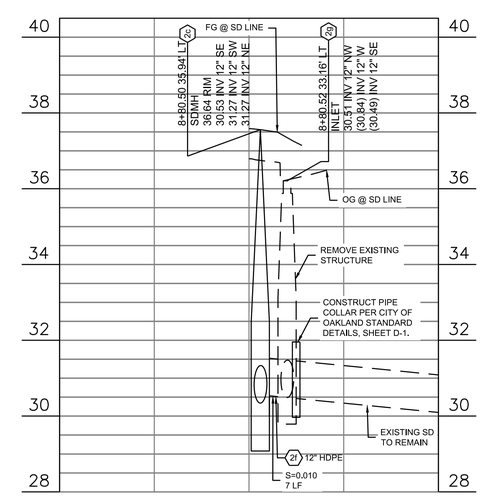
14TH AVENUE STREETSCAPE



SD-1 PROFILE
SCALE: HORIZONTAL 1"=20'
VERTICAL 1"=2'
NE CORNER AT E 19TH STREET



SD-2 PROFILE
SCALE: HORIZONTAL 1"=20'
VERTICAL 1"=2'
NE CORNER AT E 20TH STREET



SD-2a PROFILE
SCALE: HORIZONTAL 1"=20'
VERTICAL 1"=2'
NE CORNER AT E 20TH STREET

DRAINAGE PROFILE NOTES:

1. UTILITY CROSSINGS NOTED PH# INDICATE THE POTHOLE NUMBER AND DATE IN WHICH THE SIZE, MATERIAL, LOCATION, AND DEPTH WERE FOUND VIA PRE-CONSTRUCTION SUBSURFACE INVESTIGATION BY EXARO TECHNOLOGIES CORPORATION. UTILITY CROSSINGS WITH AN UNKNOWN ELEVATION WERE NOT LOCATED BY PRE-CONSTRUCTION SUBSURFACE INVESTIGATION, AND SHALL BE LOCATED AND CONFIRMED IN ELEVATION BY THE CONTRACTOR.
2. THE FOLLOWING MINIMUM VERTICAL CLEARANCES BETWEEN THE PROPOSED DRAINAGE PIPE AND EXISTING UTILITIES SHALL BE MAINTAINED:
   WATER (EBMUD) - 12" MIN.
   GAS (PG&E) - 6" MIN.
   SANITARY SEWER (CITY) - 6" MIN.
   IF UTILITY RELOCATIONS ARE FOUND TO BE REQUIRED IN THE FIELD, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND COORDINATE WITH THE RESPECTIVE UTILITY OWNER FOR THE UTILITY RELOCATION.
3. EXISTING STORM INVERTS MARKED AS "(UNKNOWN)" WERE NOT FOUND BY THE SURVEYOR. THE CONTRACTOR SHALL FIELD VERIFY THE UNKNOWN EXISTING STORM INVERTS THAT CONNECT INTO PROPOSED STORM STRUCTURES PRIOR TO STRUCTURE FABRICATION.

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

DRAINAGE & UTILITY PLANS

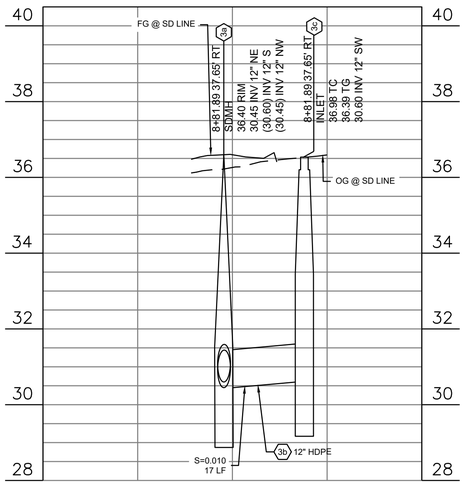
PROJECT NO.
1004251

SCALE: 1"=20'
HOR:
VERT:
DATE: 10/31/2023

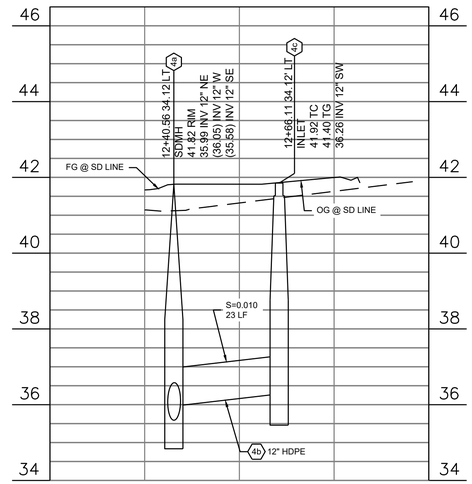
SHEET NO.
U-07
27 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Drainage.dwg
PLOT DATE: 10-31-23
PLOTTED BY: emmakatz

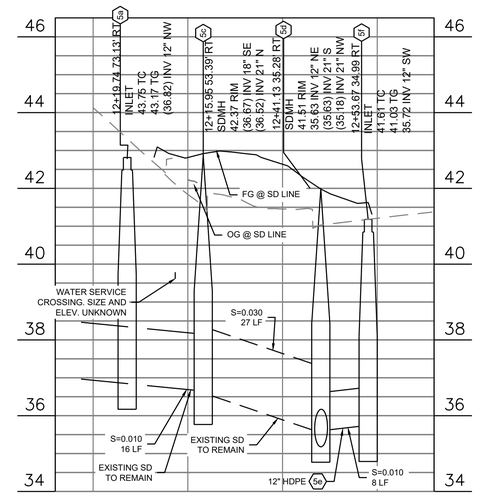
14TH AVENUE STREETSCAPE



SD-3 PROFILE
SCALE: HORIZONTAL 1"=20'
VERTICAL 1"=2'
SE CORNER AT E 20TH STREET



SD-4 PROFILE
SCALE: HORIZONTAL 1"=20'
VERTICAL 1"=2'
NE CORNER AT E 21ST STREET



SD-5 PROFILE
SCALE: HORIZONTAL 1"=20'
VERTICAL 1"=2'
SE CORNER AT E 21ST STREET

alta
304 12TH ST, SUITE 2A
OAKLAND, CA 94607
p:510.540.5008

CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER
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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

DRAINAGE PROFILES

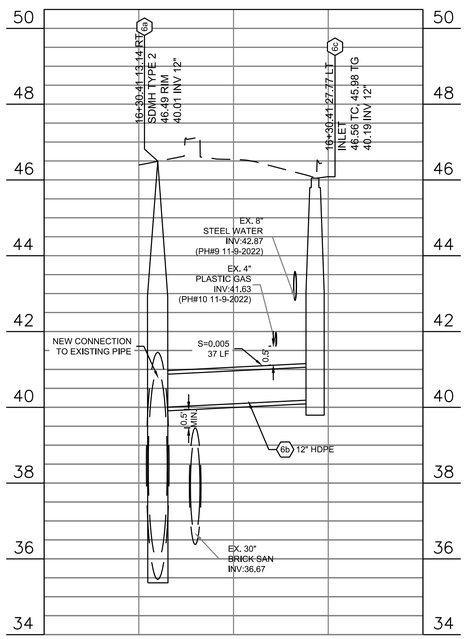
PROJECT NO.
1004251

SCALE: 1"=20'
HOR:
VERT:
DATE: 10/31/2023

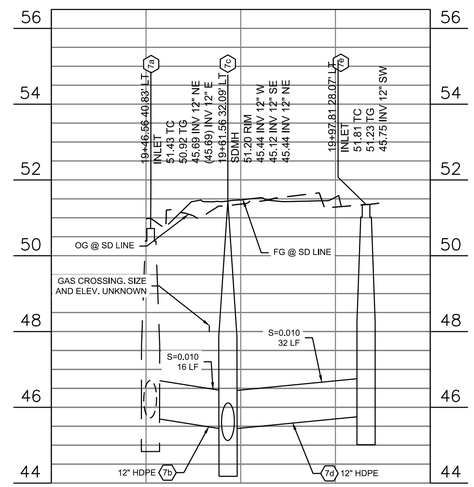
SHEET NO.
U-08
28 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Drainage.dwg
PLOT DATE: 11-01-23
PLOTTED BY: Chris-Allen

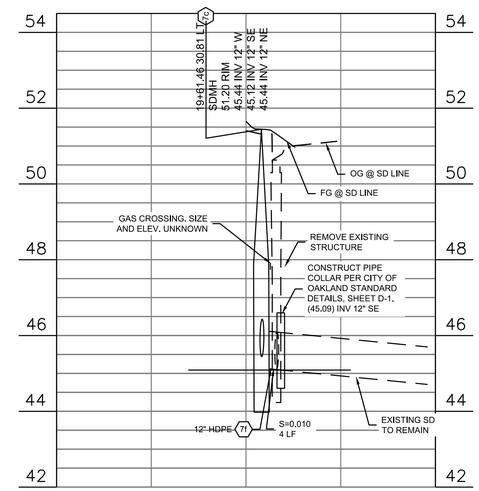
14TH AVENUE STREETSCAPE



SD-6 PROFILE
SCALE: HORIZONTAL 1"=20'
VERTICAL 1"=2'
NE CORNER AT E 22ND STREET



SD-7 PROFILE
SCALE: HORIZONTAL 1"=20'
VERTICAL 1"=2'
NE CORNER AT E 23RD STREET



SD-7a PROFILE
SCALE: HORIZONTAL 1"=20'
VERTICAL 1"=2'
NE CORNER AT E 23RD STREET

alta
304 12TH ST, SUITE 2A
OAKLAND, CA 94607
p:510.540.5008

CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER
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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

DRAINAGE PROFILES

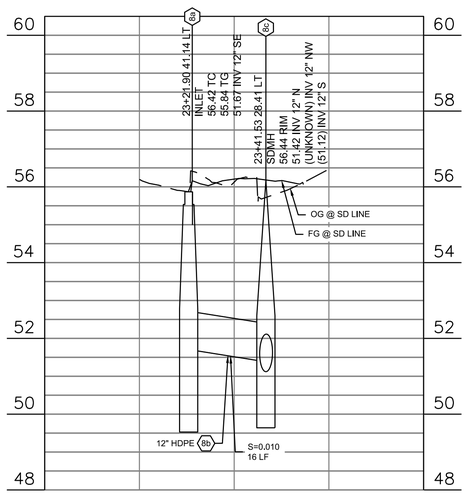
PROJECT NO.
1004251

SCALE: 1"=20'
HOR:
VERT:
DATE: 10/31/2023

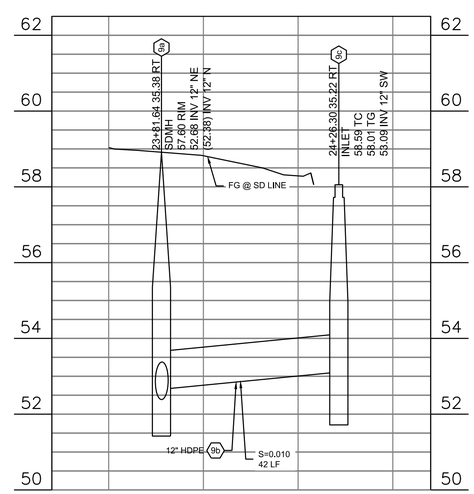
SHEET NO.
U-09
29 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Drainage.dwg
PLOT DATE: 10-31-23
PLOTTED BY: emmakatz

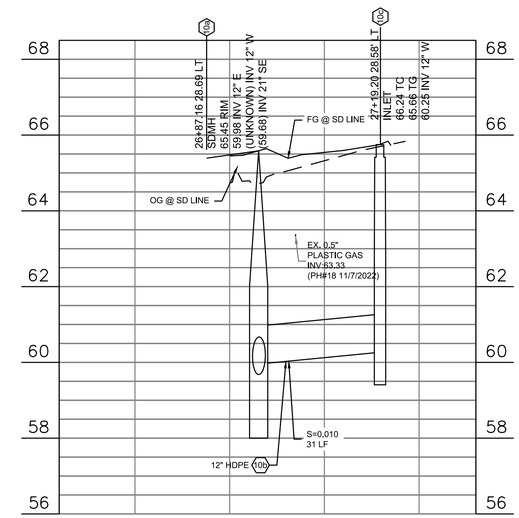
14TH AVENUE STREETSCAPE



SD-8 PROFILE
SCALE: HORIZONTAL 1"=20'
VERTICAL 1"=2'
NE CORNER AT E 24TH STREET



SD-9 PROFILE
SCALE: HORIZONTAL 1"=20'
VERTICAL 1"=2'
SE CORNER AT E 24TH STREET



SD-10 PROFILE
SCALE: HORIZONTAL 1"=20'
VERTICAL 1"=2'
NE CORNER AT E 25TH STREET

alta
304 12TH ST, SUITE 2A
OAKLAND, CA 94607
p:510.540.5008

CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER
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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

DRAINAGE PROFILES

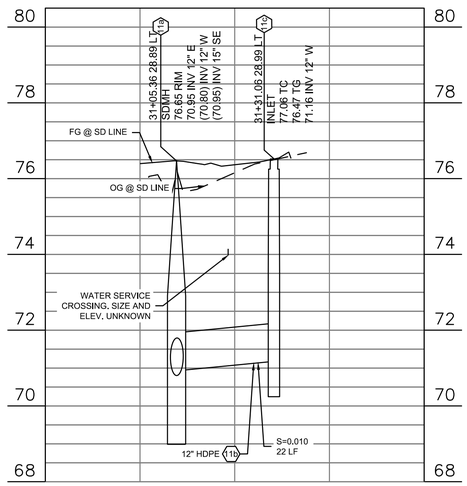
PROJECT NO.
1004251

SCALE: 1"=20'
HOR:
VERT:
DATE: 10/31/2023

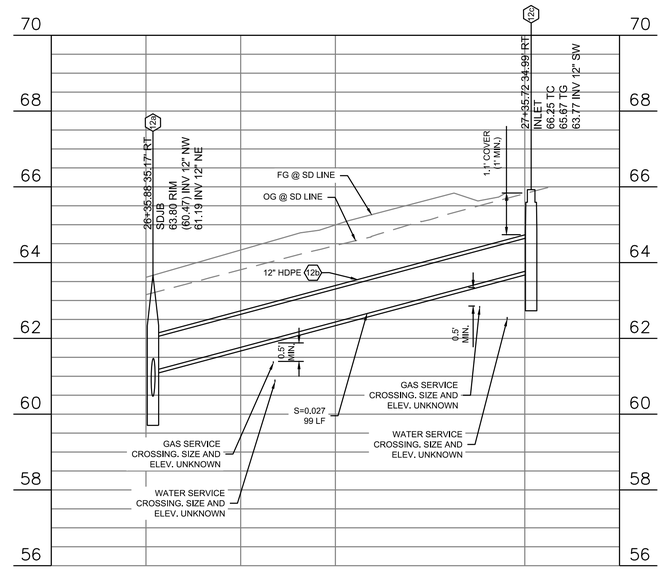
SHEET NO.
U-10
30 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Drainage.dwg
PLOT DATE: 10-31-23
PLOTTED BY: emmakatz

14TH AVENUE STREETSCAPE



SD-11 PROFILE
SCALE: HORIZONTAL 1"=20'
VERTICAL 1"=2'
NE CORNER AT E 26TH STREET



SD-12 PROFILE
SCALE: HORIZONTAL 1"=20'
VERTICAL 1"=2'
SOUTH SIDE AT E 25TH STREET

alta
304 12TH ST, SUITE 2A
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p:510.540.5008

CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

DRAINAGE PROFILES

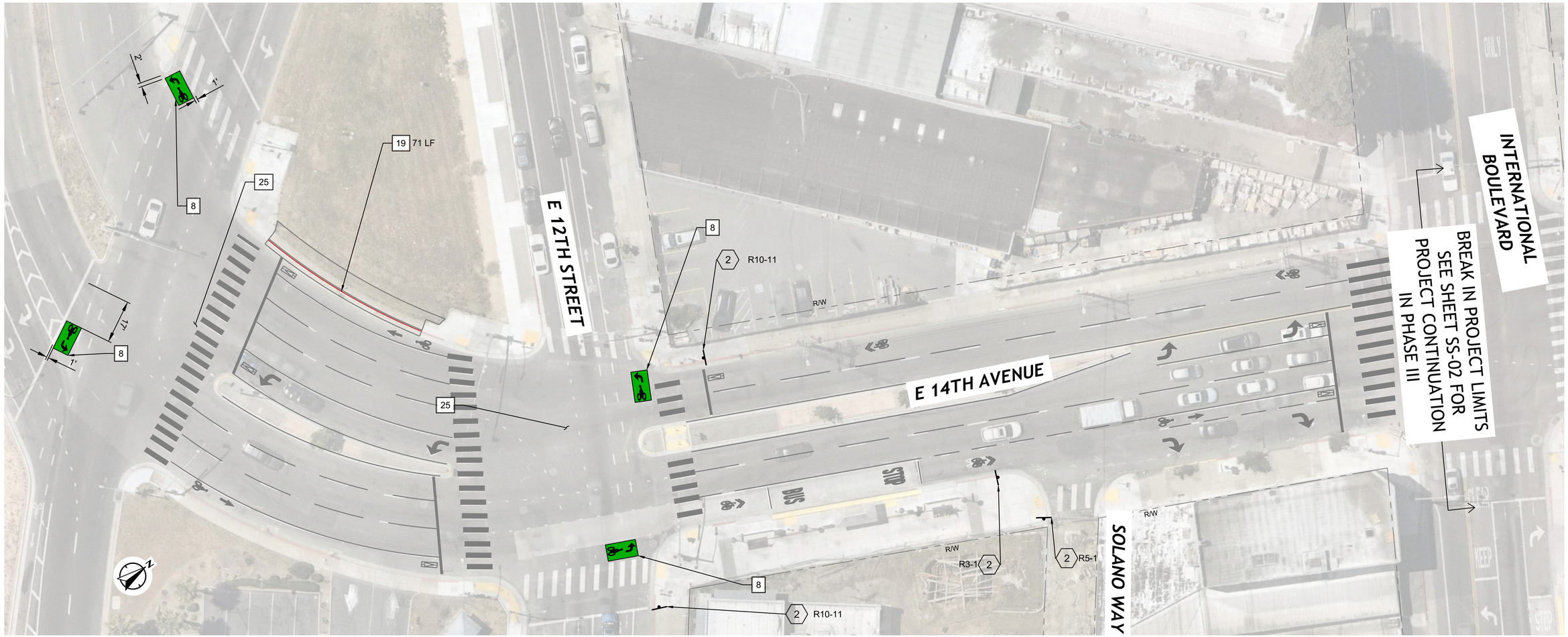
PROJECT NO.
1004251

SCALE: 1"=20'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO.
U-11
31 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Drainage.dwg
PLOT DATE: 10-31-23
PLOTTED BY: emmakatz

14TH AVENUE STREETSCAPE



STRIPING NOTES:

STRIPING NOTES FOR THIS SHEET ONLY.
STRIPING NOTES DO NOT NECESSARILY APPEAR ON EVERY SHEET.

8 INSTALL TWO STAGE TURN QUEUE BOX PER CITY OF OAKLAND STD. DWG. M-8.

19 INSTALL RED CURB "NO PARKING ZONE", LENGTH PER PLANS.

25 ADJUST SIGNAL DETECTION ZONES TO INCORPORATE STRIPING CHANGES, INCLUDING NEW LANE ALIGNMENTS AND BIKE BOXES

GENERAL NOTES:

1. FOR NOTES, LEGEND AND ABBREVIATIONS SEE SHEET GN-01.
2. FOR DEMOLITION, DRAINAGE, GRADING, AND LAYOUT DRAWING NUMBERS AT THIS LOCATIONS, SEE SHEET T-01, KEY MAP.
3. SEE SHEET XS-01 FOR TYPICAL CROSS SECTION.
4. CONTRACTOR TO NOTIFY AC TRANSIT 3 WEEKS BEFORE PERFORMING WORK AT BUS STOP LOCATIONS.

SIGNAGE NOTES:

SIGNAGE NOTES FOR THIS SHEET ONLY.
SIGNAGE NOTES DO NOT NECESSARILY APPEAR ON EVERY SHEET.

2 INSTALL NEW SIGN AND POST PER CITY DETAIL T-4

20 0 10 20 40
SCALE PLAN SCALE FEET

alta
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FAX (510) 238-7227

14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

SIGNING & STRIPING PLANS

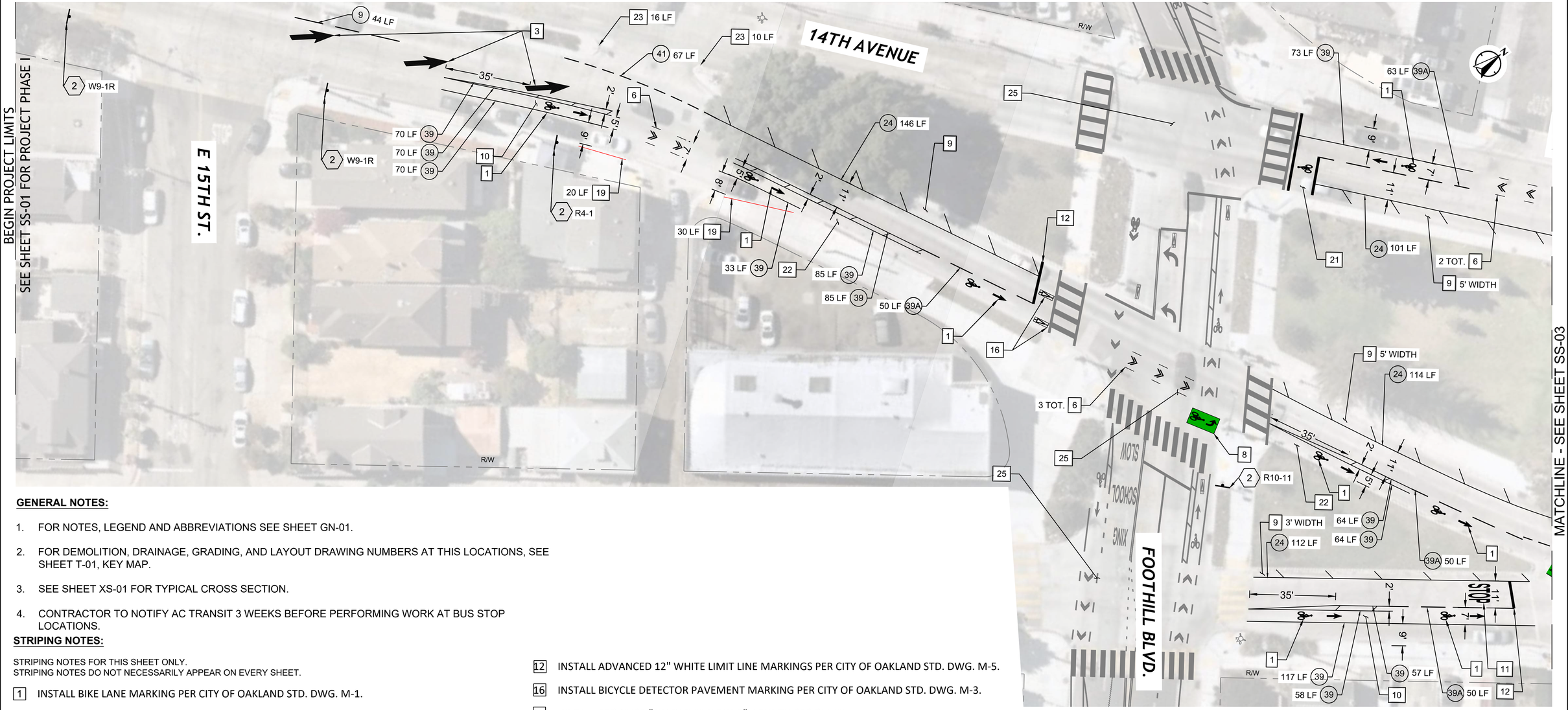
PROJECT NO.
1004251

SCALE: 1"=20'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO.
SS-01
32 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-SignStripe.dwg
PLOT DATE: 10-31-23
PLOTTED BY: emmakatz

14TH AVENUE STREETSCAPE



GENERAL NOTES:

1. FOR NOTES, LEGEND AND ABBREVIATIONS SEE SHEET GN-01.
2. FOR DEMOLITION, DRAINAGE, GRADING, AND LAYOUT DRAWING NUMBERS AT THIS LOCATIONS, SEE SHEET T-01, KEY MAP.
3. SEE SHEET XS-01 FOR TYPICAL CROSS SECTION.
4. CONTRACTOR TO NOTIFY AC TRANSIT 3 WEEKS BEFORE PERFORMING WORK AT BUS STOP LOCATIONS.

STRIPING NOTES:

STRIPING NOTES FOR THIS SHEET ONLY.
STRIPING NOTES DO NOT NECESSARILY APPEAR ON EVERY SHEET.

1 INSTALL BIKE LANE MARKING PER CITY OF OAKLAND STD. DWG. M-1.

3 INSTALL ARROW PAVEMENT MARKING PER CALTRANS STD PLAN A24A.

6 INSTALL BICYCLE INTERSECTION MARKING PER CITY OF OAKLAND STD. DWG. M-9.

8 INSTALL TWO STAGE TURN QUEUE BOX PER CITY OF OAKLAND STD. DWG. M-8.

9 INSTALL YELLOW STRIPED SHOULDER WITH 6" DIAGONAL STRIPES @ 45°, 20'-0" OC., WIDTH PER PLANS.

10 INSTALL BUFFERED BIKE LANE PER CITY OF OAKLAND STD. DWG. C-1, 16' DETAIL.

11 INSTALL ADVANCE STOP MARKING PER DETAIL 3, SHEET D-02.

12 INSTALL ADVANCED 12" WHITE LIMIT LINE MARKINGS PER CITY OF OAKLAND STD. DWG. M-5.

16 INSTALL BICYCLE DETECTOR PAVEMENT MARKING PER CITY OF OAKLAND STD. DWG. M-3.

19 INSTALL RED CURB "NO PARKING ZONE", LENGTH PER PLANS.

21 INSTALL BIKE BOX PER CITY OF OAKLAND STD. DWG. M-7.

22 INSTALL BUFFERED BIKE LANE PER CITY OF OAKLAND STD. DWG. C-3, 7' DETAIL.

23 INSTALL YELLOW REFLECTIVE PAINT ON MEDIAN NOSE. LENGTH PER PLANS.

25 ADJUST SIGNAL DETECTION ZONES TO INCORPORATE STRIPING CHANGES, INCLUDING NEW LANE ALIGNMENTS AND BIKE BOXES

INSTALL PAVEMENT MARKING PER CALTRANS STD PLANS A20A - A20D, PER DETAIL ##.

SIGNAGE NOTES:

SIGNAGE NOTES FOR THIS SHEET ONLY.
SIGNAGE NOTES DO NOT NECESSARILY APPEAR ON EVERY SHEET.

2 INSTALL NEW SIGN AND POST PER CITY DETAIL T-4.

20 0 10 20 40
SCALE PLAN SCALE FEET

alta
304 12TH ST, SUITE 2A
OAKLAND, CA 94607
p:510.540.5008

CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER STEVEN B. FALCON No. C-42110 CIVIL STATE OF CALIFORNIA

CITY OF OAKLAND
DEPARTMENT OF TRANSPORTATION
250 FRANK H. OGAWA PLAZA, SUITE 4314
OAKLAND, CA 94612
(510) 238-3437
FAX (510) 238-7227

14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

SIGNING & STRIPING PLANS

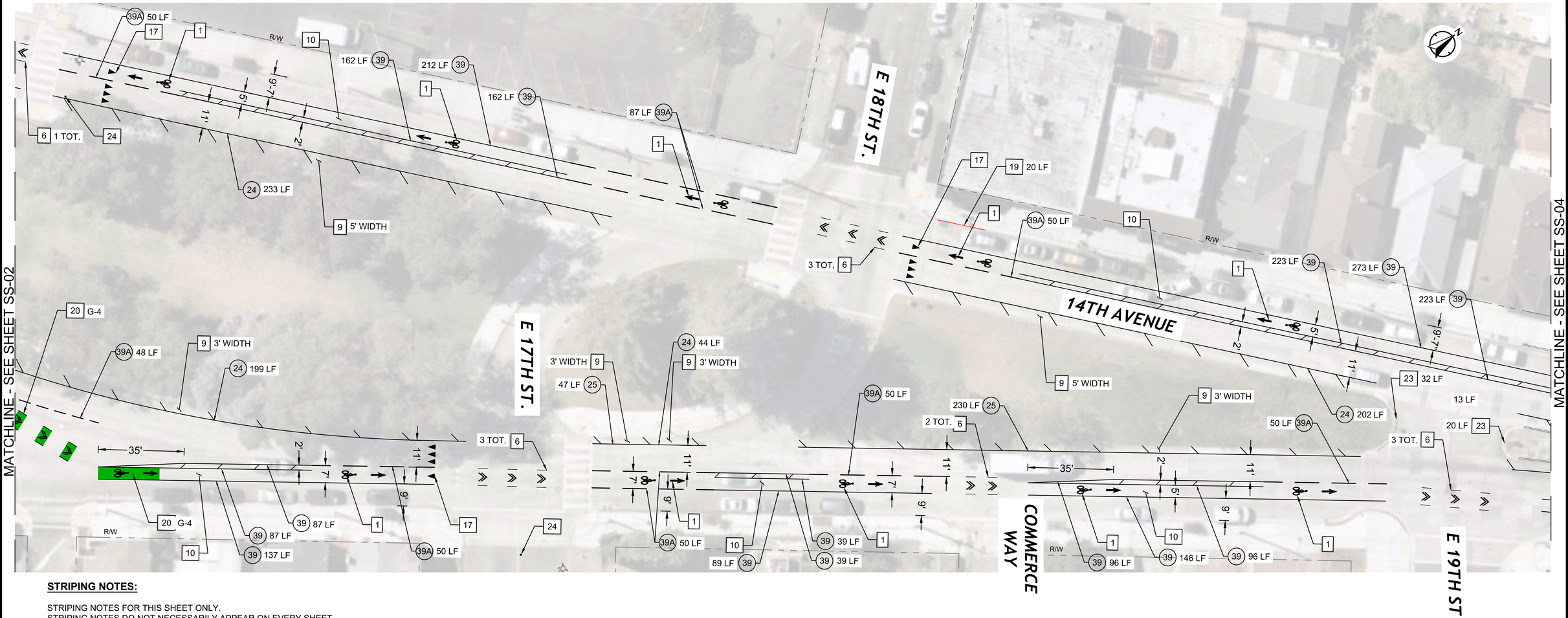
PROJECT NO.
1004251

SCALE: 1"=20'
HOR:
VERT:
DATE: 7/11/2024

SHEET NO.
SS-02
33 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\20-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-SignStripe.dwg
PLOT DATE: 07-11-24
PLOTTED BY: Chris-Allen

PROJECT TITLE



STRIPING NOTES:

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1 INSTALL BIKE LANE MARKING PER CITY OF OAKLAND STD. DWG. M-1.

6 INSTALL BICYCLE INTERSECTION MARKING PER CITY OF OAKLAND STD. DWG. M-9.

9 INSTALL YELLOW STRIPED SHOULDER WITH 6" DIAGONAL STRIPES @ 45°, 20'-0" OC., WIDTH PER PLANS.

10 INSTALL BUFFERED BIKE LANE PER CITY OF OAKLAND STD. DWG. C-1, 16' DETAIL.

17 INSTALL YIELD MARKING PER CALTRANS STD PLAN A24E.

19 INSTALL RED CURB "NO PARKING ZONE", LENGTH PER PLANS.

20 INSTALL GREEN BIKE LANE CONFLICT MARKINGS PER CITY DETAILS G-1 THROUGH G-6.

23 INSTALL YELLOW REFLECTIVE PAINT ON MEDIAN NOSE. LENGTH PER PLANS.

24 FURNISH AND INSTALL BLUE PAVEMENT MARKERS AT FIRE HYDRANT LOCATIONS PER THE CA MUTCD FIG. 3B-102. REFERENCE THE MUTCD DETAIL FOR PLACEMENT. REFERENCE CALTRANS STD. PLAN A20A TYPE C AND TYPE D MARKER, MODIFIED FOR BLUE RETROREFLECTIVE.

(##) INSTALL PAVEMENT MARKING PER CALTRANS STD PLANS A20A - A20D, PER DETAIL

GENERAL NOTES:

1. FOR NOTES, LEGEND AND ABBREVIATIONS SEE SHEET GN-01.
2. FOR DEMOLITION, DRAINAGE, GRADING, AND LAYOUT DRAWING NUMBERS AT THIS LOCATIONS, SEE SHEET T-01, KEY MAP.
3. SEE SHEET XS-01 FOR TYPICAL CROSS SECTION.
4. CONTRACTOR TO NOTIFY AC TRANSIT 3 WEEKS BEFORE PERFORMING WORK AT BUS STOP LOCATIONS.

20 0 10 20 40
SCALE PLAN SCALE FEET

alta
304 12TH ST, SUITE 2A
OAKLAND, CA 94607
p:510.540.5008

CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER STEVEN B. FALLON No. C-42110 CIVIL STATE OF CALIFORNIA

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DEPARTMENT OF TRANSPORTATION
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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

SIGNING & STRIPING PLANS

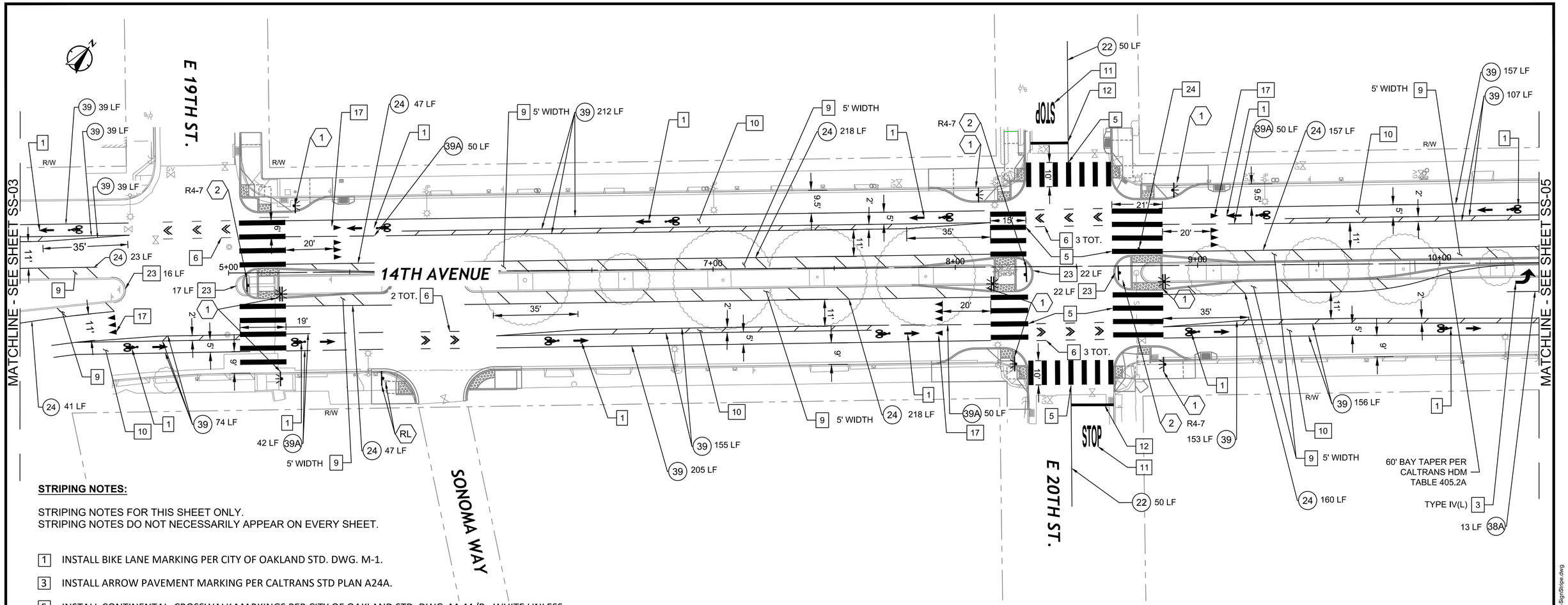
PROJECT NO. 1004251

SCALE: 1"=20'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO. SS-03
34 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\20-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-SignStripe.dwg
PLOT DATE: 10-31-23
PLOTTED BY: emmakatz

PROJECT TITLE



STRIPING NOTES:

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1 INSTALL BIKE LANE MARKING PER CITY OF OAKLAND STD. DWG. M-1.

3 INSTALL ARROW PAVEMENT MARKING PER CALTRANS STD PLAN A24A.

5 INSTALL CONTINENTAL CROSSWALK MARKINGS PER CITY OF OAKLAND STD. DWG. M-4A/B. WHITE UNLESS OTHERWISE NOTED.

6 INSTALL BICYCLE INTERSECTION MARKING PER CITY OF OAKLAND STD. DWG. M-9.

9 INSTALL YELLOW STRIPED SHOULDER WITH 6" DIAGONAL STRIPES @ 45°, 20'-0" OC., WIDTH PER PLANS.

10 INSTALL BUFFERED BIKE LANE PER CITY OF OAKLAND STD. DWG. C-1, 18' DETAIL.

11 INSTALL ADVANCE STOP MARKING PER DETAIL 3, SHEET D-05.

12 INSTALL ADVANCED 12" WHITE LIMIT LINE MARKINGS PER CITY OF OAKLAND STD. DWG. M-5.

17 INSTALL YIELD MARKING PER CALTRANS STD PLAN A24E.

23 INSTALL YELLOW REFLECTIVE PAINT ON MEDIAN NOSE. LENGTH PER PLANS.

24 FURNISH AND INSTALL BLUE PAVEMENT MARKERS AT FIRE HYDRANT LOCATIONS PER THE CA MUTCD FIG. 3B-102. REFERENCE THE MUTCD DETAIL FOR PLACEMENT. REFERENCE CALTRANS STD. PLAN A20A TYPE C AND TYPE D MARKER, MODIFIED FOR BLUE RETROREFLECTIVE.

INSTALL PAVEMENT MARKING PER CALTRANS STD PLANS A20A - A20D, PER DETAIL ##.

SIGNAGE NOTES:

SIGNAGE NOTES FOR THIS SHEET ONLY.
SIGNAGE NOTES DO NOT NECESSARILY APPEAR ON EVERY SHEET.

1 FURNISH AND INSTALL NEW RRFB (SEE SIGNAL PLANS FOR FURTHER DETAILS).

2 INSTALL NEW SIGN AND POST PER CITY DETAIL T-4.

RL RELOCATE EXISTING SIGN AND POST.

GENERAL NOTES:

1. FOR NOTES, LEGEND AND ABBREVIATIONS SEE SHEET GN-01.
2. FOR DEMOLITION, DRAINAGE, GRADING, AND LAYOUT DRAWING NUMBERS AT THIS LOCATIONS, SEE SHEET T-01, KEY MAP.
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20 0 10 20 40
SCALE PLAN SCALE FEET

alta
304 12TH ST, SUITE 2A
OAKLAND, CA 94607
p:510.540.5008

CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER STEVEN B. FRESON No. C-42110 Civil STATE OF CALIFORNIA

CITY OF OAKLAND
DEPARTMENT OF TRANSPORTATION
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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

SIGNING & STRIPING PLANS

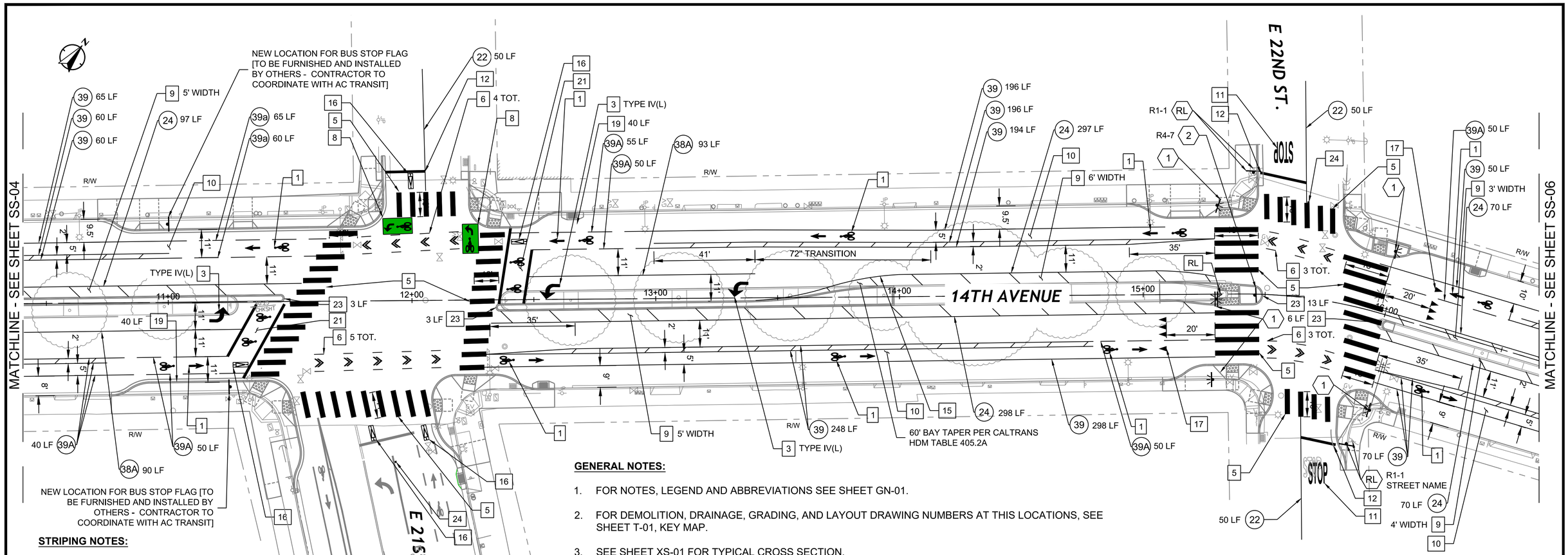
PROJECT NO. 1004251

SCALE: 1"=20'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO. SS-04
35 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-SignStripe.dwg
PLOT DATE: 02-12-24
PLOTTED BY: MaisieMacNaughton

14TH AVENUE STREETSCAPE



STRIPING NOTES:

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1 INSTALL BIKE LANE MARKING PER CITY OF OAKLAND STD. DWG. M-1.

3 INSTALL ARROW PAVEMENT MARKING PER CALTRANS STD PLAN A24A.

5 INSTALL CONTINENTAL CROSSWALK MARKINGS PER CITY OF OAKLAND STD. DWG. M-4A/B. WHITE UNLESS OTHERWISE NOTED.

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10 INSTALL BUFFERED BIKE LANE PER CITY OF OAKLAND STD. DWG. C-1, 18' DETAIL.

11 INSTALL ADVANCE STOP MARKING PER DETAIL 3, SHEET D-05.

12 INSTALL ADVANCED 12" WHITE LIMIT LINE MARKINGS PER CITY OF OAKLAND STD. DWG. M-5.

15 INSTALL 60' STRIPED BAY TAPER PER CALTRANS HDM TABLE 405.2A.

16 INSTALL BICYCLE DETECTOR PAVEMENT MARKING PER CITY OF OAKLAND STD. DWG. M-3.

GENERAL NOTES:

1. FOR NOTES, LEGEND AND ABBREVIATIONS SEE SHEET GN-01.
2. FOR DEMOLITION, DRAINAGE, GRADING, AND LAYOUT DRAWING NUMBERS AT THIS LOCATIONS, SEE SHEET T-01, KEY MAP.
3. SEE SHEET XS-01 FOR TYPICAL CROSS SECTION.
4. CONTRACTOR TO NOTIFY AC TRANSIT 3 WEEKS BEFORE PERFORMING WORK AT BUS STOP LOCATIONS.

17 INSTALL YIELD MARKING PER CALTRANS STD PLAN A24E.

21 INSTALL BIKE BOX PER CITY OF OAKLAND STD. DWG. M-7.

23 INSTALL YELLOW REFLECTIVE PAINT ON MEDIAN NOSE. LENGTH PER PLANS.

24 FURNISH AND INSTALL BLUE PAVEMENT MARKERS AT FIRE HYDRANT LOCATIONS PER THE CA MUTCD FIG. 3B-102. REFERENCE THE MUTCD DETAIL FOR PLACEMENT. REFERENCE CALTRANS STD. PLAN A20A TYPE C AND TYPE D MARKER, MODIFIED FOR BLUE RETROREFLECTIVE.

INSTALL PAVEMENT MARKING PER CALTRANS STD PLANS A20A - A20D, PER DETAIL ##.

SIGNAGE NOTES:

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SEE SIGNAL MODIFICATION PLANS (TS-01) FOR SIGNS MOUNTED TO SIGNAL EQUIPMENT AT THIS LOCATION.

1 FURNISH AND INSTALL NEW RRFB (SEE SIGNAL PLANS FOR FURTHER DETAILS).

2 INSTALL NEW SIGN AND POST PER CITY DETAIL T-4.

RL RELOCATE EXISTING SIGN.

20 0 10 20 40
SCALE PLAN SCALE FEET

alta
304 12TH ST, SUITE 2A
OAKLAND, CA 94607
p:510.540.5008

CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER STEVEN B. FRIESON No. C-42110 CIVIL STATE OF CALIFORNIA

CITY OF OAKLAND
DEPARTMENT OF TRANSPORTATION
250 FRANK H. OGAWA PLAZA, SUITE 4314
OAKLAND, CA 94612
(510) 238-3437
FAX (510) 238-7227

14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

SIGNING & STRIPING PLANS

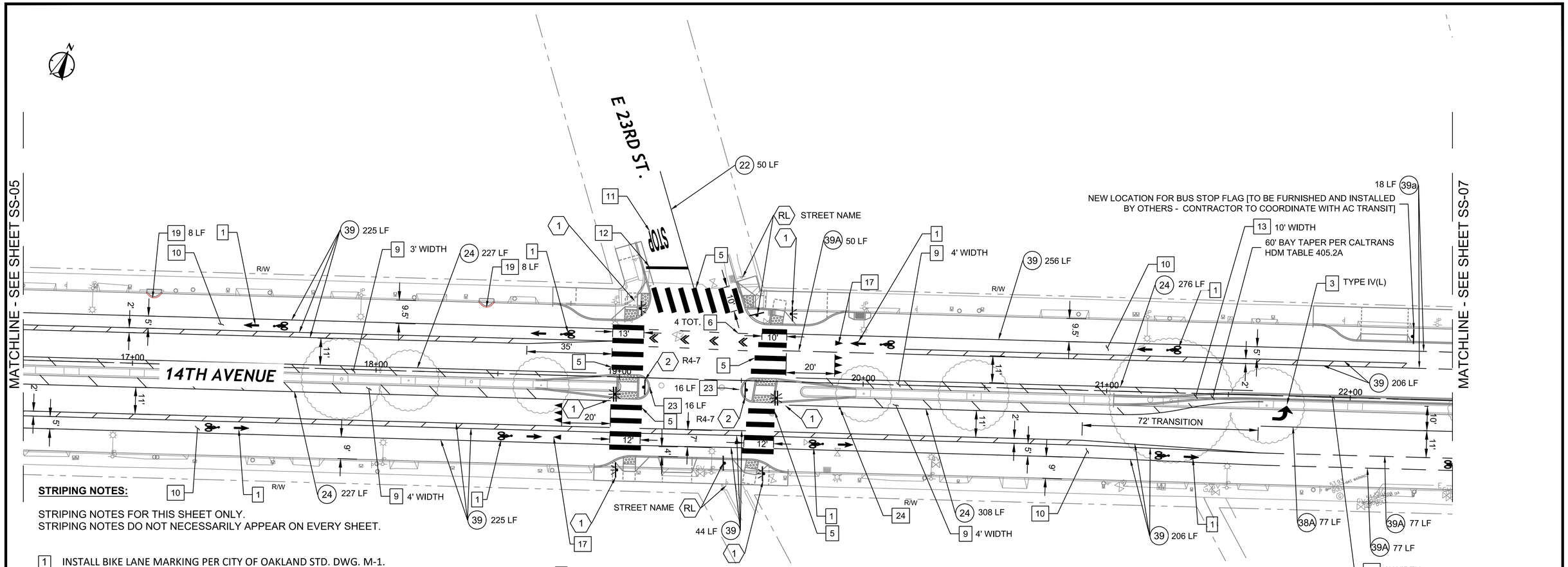
PROJECT NO. 1004251

SCALE: 1"=20'
HOR:
VERT:
DATE: 7/11/2024

SHEET NO. SS-05
36 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-SignStripe.dwg
PLOT DATE: 07-11-24
PLOTTED BY: Chris-Allen

14TH AVENUE STREETSCAPE



STRIPING NOTES:

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1. INSTALL BIKE LANE MARKING PER CITY OF OAKLAND STD. DWG. M-1.
3. INSTALL ARROW PAVEMENT MARKING PER CALTRANS STD PLAN A24A.
5. INSTALL CONTINENTAL CROSSWALK MARKINGS PER CITY OF OAKLAND STD. DWG. M-4A/B. WHITE UNLESS OTHERWISE NOTED.
6. INSTALL BICYCLE INTERSECTION MARKING PER CITY OF OAKLAND STD. DWG. M-9.
9. INSTALL YELLOW STRIPED SHOULDER WITH 6" DIAGONAL STRIPES @ 45°, 20'-0" OC., WIDTH PER PLANS.
10. INSTALL BUFFERED BIKE LANE PER CITY OF OAKLAND STD. DWG. C-1, 18' DETAIL.
11. INSTALL ADVANCE STOP MARKING PER DETAIL 3, SHEET D-05.
12. INSTALL ADVANCED 12" WHITE LIMIT LINE MARKINGS PER CITY OF OAKLAND STD. DWG. M-5.
13. INSTALL STRIPED MEDIAN WITH 6" DIAGONAL STRIPES @ 45°, 20'-0" OC., WIDTH PER PLANS.
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(##) INSTALL PAVEMENT MARKING PER CALTRANS STD PLANS A20A - A20D, PER DETAIL ##.

SIGNAGE NOTES:

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(1) FURNISH AND INSTALL NEW RRFB (SEE SIGNAL PLANS FOR FURTHER DETAILS).
(2) INSTALL NEW SIGN AND POST PER CITY DETAIL T-4.
(RL) RELOCATE EXISTING SIGN.

20 0 10 20 40
SCALE PLAN SCALE FEET

GENERAL NOTES:

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2. FOR DEMOLITION, DRAINAGE, GRADING, AND LAYOUT DRAWING NUMBERS AT THIS LOCATIONS, SEE SHEET T-01, KEY MAP.
3. SEE SHEET XS-01 FOR TYPICAL CROSS SECTION.
4. CONTRACTOR TO NOTIFY AC TRANSIT 3 WEEKS BEFORE PERFORMING WORK AT BUS STOP LOCATIONS.

alta
304 12TH ST, SUITE 2A
OAKLAND, CA 94607
p:510.540.5008

CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER STEVEN B. FRIESON No. C-42110 CIVIL STATE OF CALIFORNIA

CITY OF OAKLAND
DEPARTMENT OF TRANSPORTATION
250 FRANK H. OGAWA PLAZA, SUITE 4314
OAKLAND, CA 94612
(510) 238-3437
FAX (510) 238-7227

14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

SIGNING & STRIPING PLANS

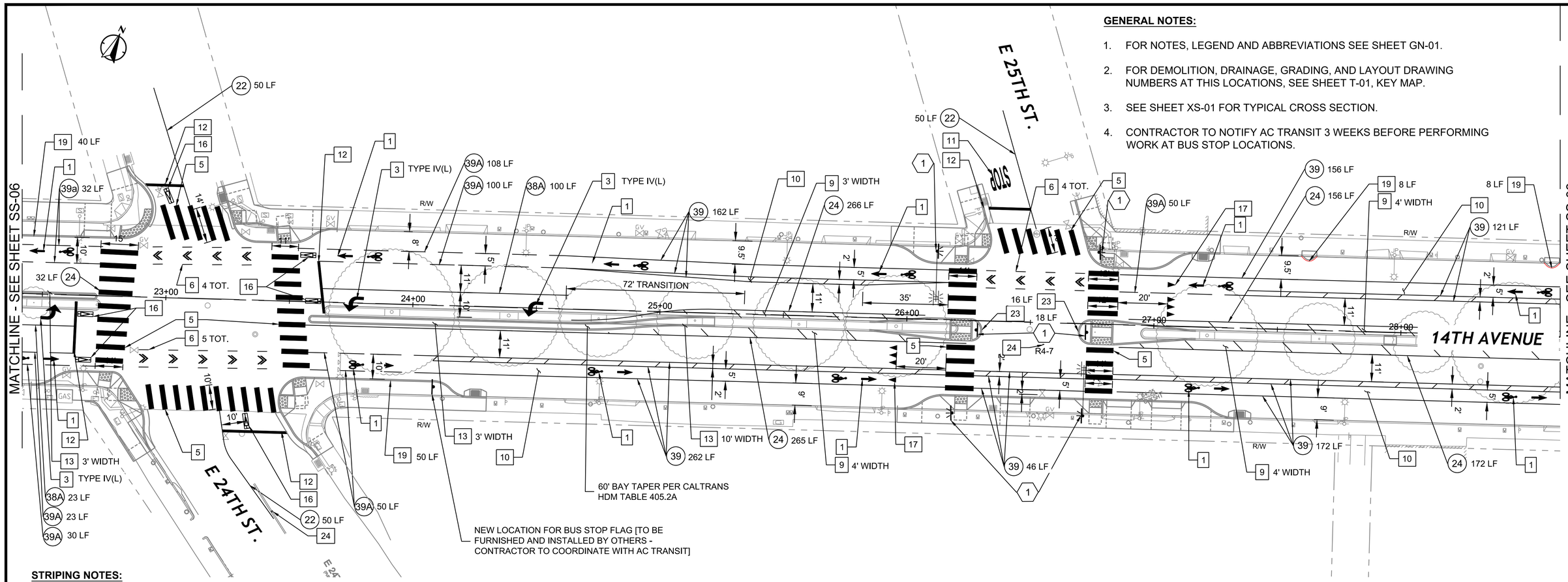
PROJECT NO. 1004251

SCALE: 1"=20'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO. SS-06
37 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-SignStripe.dwg
PLOT DATE: 02-12-24
PLOTTED BY: MaiseiMacNaughton

14TH AVENUE STREETSCAPE



GENERAL NOTES:

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1 INSTALL BIKE LANE MARKING PER CITY OF OAKLAND STD. DWG. M-1.

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6 INSTALL BICYCLE INTERSECTION MARKING PER CITY OF OAKLAND STD. DWG. M-9.

9 INSTALL YELLOW STRIPED SHOULDER WITH 6" DIAGONAL STRIPES @ 45°, 20'-0" OC., WIDTH PER PLANS.

10 INSTALL BUFFERED BIKE LANE PER CITY OF OAKLAND STD. DWG. C-1, 18' DETAIL.

11 INSTALL ADVANCE STOP MARKING PER DETAIL 3, SHEET D-05.

12 INSTALL ADVANCED 12" WHITE LIMIT LINE MARKINGS PER CITY OF OAKLAND STD. DWG. M-5.

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(##) INSTALL PAVEMENT MARKING PER CALTRANS STD PLANS A20A - A20D, PER DETAIL ##.

SIGNAGE NOTES:

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(1) FURNISH AND INSTALL NEW RRFB (SEE SIGNAL PLANS FOR FURTHER DETAILS).

(2) INSTALL NEW SIGN AND POST PER CITY DETAIL T-4.

20 0 10 20 40
SCALE PLAN SCALE FEET

alta
304 12TH ST, SUITE 2A
OAKLAND, CA 94607
p:510.540.5008

CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER STEVEN B. FRIESON No. C-42110 CIVIL STATE OF CALIFORNIA

CITY OF OAKLAND
DEPARTMENT OF TRANSPORTATION
250 FRANK H. OGAWA PLAZA, SUITE 4314
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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

SIGNING & STRIPING PLANS

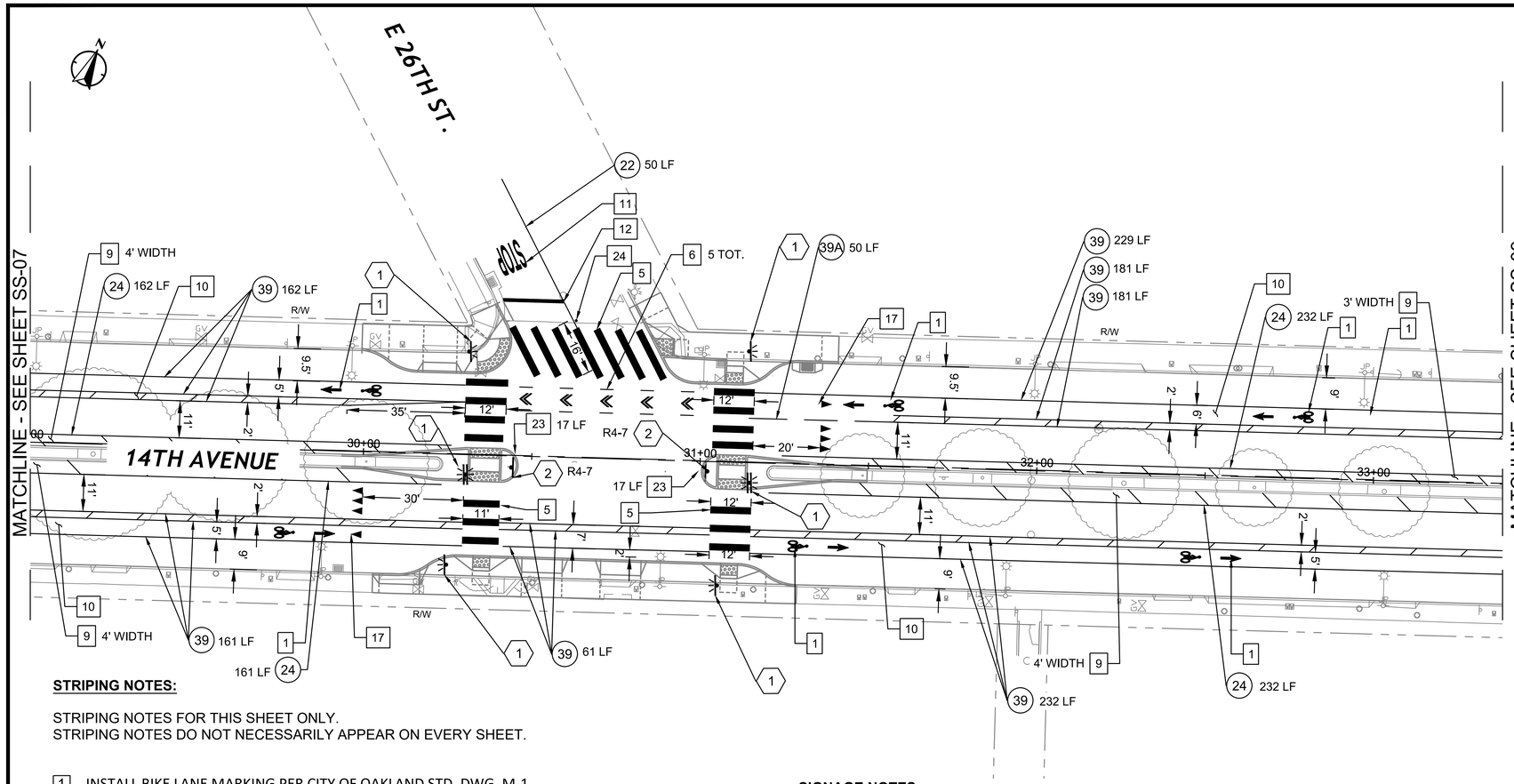
PROJECT NO. 1004251

SCALE: 1"=20'
HOR:
VERT:
DATE: 7/11/2024

SHEET NO. SS-07
38 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\20-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-SignStripe.dwg
PLOT DATE: 07-11-24
PLOTTED BY: Chris-Allen

14TH AVENUE STREETSCAPE



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INSTALL PAVEMENT MARKING PER CALTRANS STD PLANS A20A - A20D, PER DETAIL ##.

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1 FURNISH AND INSTALL NEW RRFB (SEE SIGNAL PLANS FOR FURTHER DETAILS).

2 INSTALL NEW SIGN AND POST PER CITY DETAIL T-4.

GENERAL NOTES:

1. FOR NOTES, LEGEND AND ABBREVIATIONS SEE SHEET GN-01.
2. FOR DEMOLITION, DRAINAGE, GRADING, AND LAYOUT DRAWING NUMBERS AT THIS LOCATIONS, SEE SHEET T-01, KEY MAP.
3. SEE SHEET XS-01 FOR TYPICAL CROSS SECTION.

20 0 10 20 40
SCALE PLAN SCALE FEET

alta
304 12TH ST, SUITE 2A
OAKLAND, CA 94607
p:510.540.5008

CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER STEVEN B. FRESON No. C-42110 CIVIL STATE OF CALIFORNIA

CITY OF OAKLAND
DEPARTMENT OF TRANSPORTATION
250 FRANK H. OGAWA PLAZA, SUITE 4314
OAKLAND, CA 94612
(510) 238-3437
FAX (510) 238-7227

14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

SIGNING & STRIPING PLANS

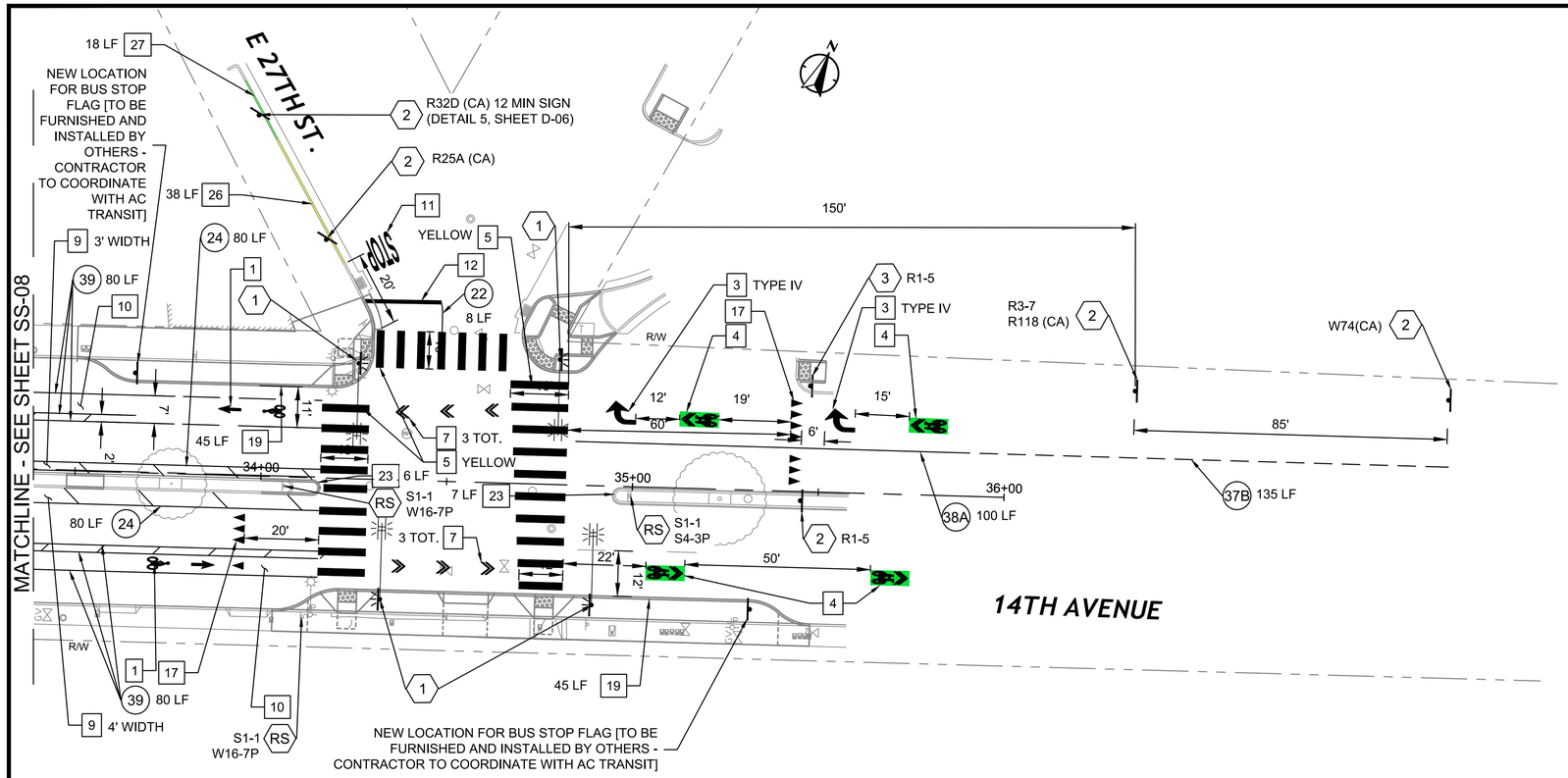
PROJECT NO. 1004251

SCALE: 1"=20'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO. SS-08
39 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-SignStripe.dwg
PLOT DATE: 02-12-24
PLOTTED BY: Maisie/Mac/Naughton

14TH AVENUE STREETSCAPE



STRIPING NOTES:

STRIPING NOTES FOR THIS SHEET ONLY.
STRIPING NOTES DO NOT NECESSARILY APPEAR ON EVERY SHEET.

- 1 INSTALL BIKE LANE MARKING PER CITY OF OAKLAND STD. DWG. M-1.
- 3 INSTALL ARROW PAVEMENT MARKING PER CALTRANS STD PLAN A24A.
- 4 INSTALL GREEN-BACKED SHARED LANE MARKINGS PER CITY OF OAKLAND STD. DWG. M-2.
- 5 INSTALL CONTINENTAL CROSSWALK MARKINGS PER CITY OF OAKLAND STD. DWG. M-4A/B. WHITE UNLESS OTHERWISE NOTED.
- 7 INSTALL SHARED LANE INTERSECTION MARKING PER CITY OF OAKLAND STD. DWG. M-10.
- 9 INSTALL YELLOW STRIPED SHOULDER WITH 6" DIAGONAL STRIPES @ 45°, 20'-0" OC., WIDTH PER PLANS.
- 10 INSTALL BUFFERED BIKE LANE PER CITY OF OAKLAND STD. DWG. C-1, 18' DETAIL.
- 11 INSTALL ADVANCE STOP MARKING PER DETAIL 3, SHEET D-05.
- 12 INSTALL ADVANCED 12" WHITE LIMIT LINE MARKINGS PER CITY OF OAKLAND STD. DWG. M-5.
- 17 INSTALL YIELD MARKING PER CALTRANS STD PLAN A24E.
- 19 INSTALL RED CURB "NO PARKING ZONE", LENGTH PER PLANS.
- 23 INSTALL YELLOW REFLECTIVE PAINT ON MEDIAN NOSE. LENGTH PER PLANS.
- 26 INSTALL YELLOW CURB "LOADING ZONE", LENGTH PER PLANS.
- 27 INSTALL GREEN CURB "12 MINUTE PARKING", LENGTH PER PLANS.
- ## INSTALL PAVEMENT MARKING PER CALTRANS STD PLANS A20A - A20D, PER DETAIL ##.

SIGNAGE NOTES:

SIGNAGE NOTES FOR THIS SHEET ONLY.
SIGNAGE NOTES DO NOT NECESSARILY APPEAR ON EVERY SHEET.

- 1 FURNISH AND INSTALL NEW RRFB (SEE SIGNAL PLANS FOR FURTHER DETAILS).
- 2 INSTALL NEW SIGN AND POST PER CITY DETAIL T-4.
- 3 INSTALL NEW SIGN ON EXISTING POST PER CITY DETAIL T-4.
- RS REMOVE AND SALVAGE EXISTING SIGN(S) AND POST
- RSS REMOVE AND SALVAGE EXISTING SIGN(S), PROTECT IN PLACE EXISTING POST

GENERAL NOTES:

1. FOR NOTES, LEGEND AND ABBREVIATIONS SEE SHEET GN-01.
2. FOR DEMOLITION, DRAINAGE, GRADING, AND LAYOUT DRAWING NUMBERS AT THIS LOCATIONS, SEE SHEET T-01, KEY MAP.
3. SEE SHEET XS-01 FOR TYPICAL CROSS SECTION.
4. CONTRACTOR TO NOTIFY AC TRANSIT 3 WEEKS BEFORE PERFORMING WORK AT BUS STOP LOCATIONS.

20 0 10 20 40
SCALE PLAN SCALE FEET

alta
304 12TH ST, SUITE 2A
OAKLAND, CA 94607
p:510.540.5008

CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER STEVEN B. FRIESON No. C-42110 CIVIL STATE OF CALIFORNIA

CITY OF OAKLAND
DEPARTMENT OF TRANSPORTATION
250 FRANK H. OGAWA PLAZA, SUITE 4314
OAKLAND, CA 94612
(510) 238-3437
FAX (510) 238-7227

14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

SIGNING & STRIPING PLANS

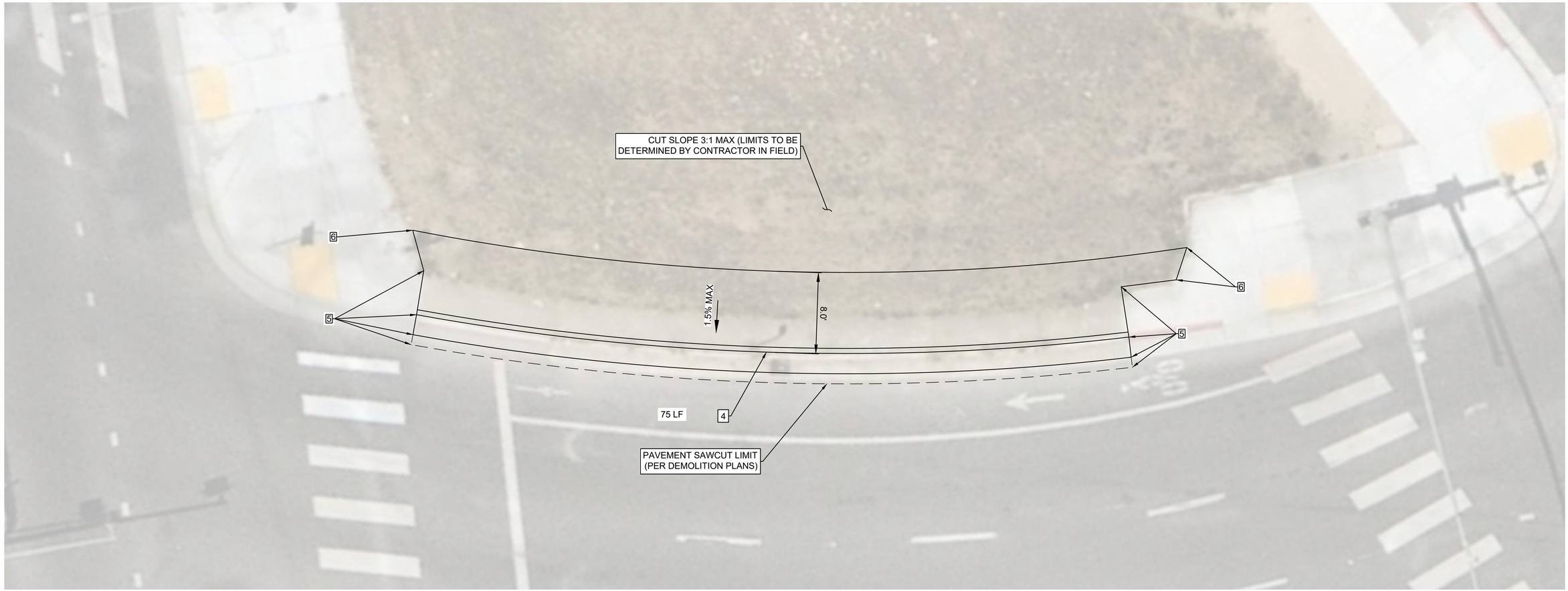
PROJECT NO. 1004251

SCALE: 1"=20'
HOR:
VERT:
DATE: 7/11/2024

SHEET NO. SS-09
40 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-SignStripe.dwg
PLOT DATE: 07-11-24
PLOTTED BY: Chris-Allen

14TH AVENUE STREETSCAPE



GRADING NOTES (THIS SHEET ONLY):

1. CURB, GUTTER, AND SIDEWALK SHALL CONFORM TO MATCHING EXISTING CONDITIONS AT CONFORM POINTS.
2. CONTRACTOR TO CONFIRM ELEVATIONS PRIOR TO CONSTRUCTING IMPROVEMENTS.
3. FLOW LINE SLOPES ARE CONSTANT BETWEEN GRADE BREAKS, LOW POINTS, AND HIGH POINTS.
4. CONTRACTOR SHALL RESTORE ALL DAMAGED, REMOVED, OR OTHERWISE DISTURBED WALLS, FENCES, SERVICES, LAWN AREAS, UTILITIES, IMPROVEMENTS, OR FEATURES OF WHATEVER NATURE, DUE TO CONTRACTOR'S WORK.
5. NO TRENCHES OR HOLES SHALL BE LEFT OPEN OVERNIGHT; USE STEEL PLATING OR HOT MIX ASPHALT AS REQUIRED TO PROTECT TRENCHES OVERNIGHT.
6. ALL CONSTRUCTION STAKING FOR PROPOSED WORK SHALL BE DONE BY CONTRACTOR.
7. CONFORM SIDEWALK TO EX. PAVED PATHWAYS OF ADJOINING WALKING AREAS. THERE SHALL BE NO LIP OR STEP AT CONFORM POINTS.

CONSTRUCTION NOTES:

CONSTRUCTION NOTES FOR THIS SHEET ONLY.
CONSTRUCTION NOTES DO NOT NECESSARILY APPEAR ON EVERY SHEET.

4 CONSTRUCT TYPE A CONCRETE CURB AND GUTTER PER CITY OF OAKLAND STD DWG S-1. ELEVATIONS TO MATCH EXISTING. INSTALL SIDEWALK AT BACK OF CURB.

5 MATCH EXISTING ELEVATIONS AT EXISTING SCORELINES

6 MATCH EXISTING ELEVATIONS AT EXISTING BOW

GENERAL NOTES:

1. SEE SHEET 2 FOR FULL LIST OF GENERAL NOTES, ABBREVIATIONS, AND LEGENDS.
2. FOR DEMOLITION, LAYOUT, UTILITY, AND SIGNAL PLAN SHEET NUMBERS AT THIS LOCATION, SEE SHEET 1, KEY MAP.
3. EXISTING SIGNS AND STRIPING NOT IDENTIFIED IN THESE PLANS SHALL BE PROTECTED IN PLACE.

5 0 5 10
SCALE PLAN SCALE FEET

alta
304 12TH ST, SUITE 2A
OAKLAND, CA 94607
p:510.540.5008

CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER STEVEN B. FRITSON No. C-42110 CIVIL STATE OF CALIFORNIA

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

GRADING PLANS

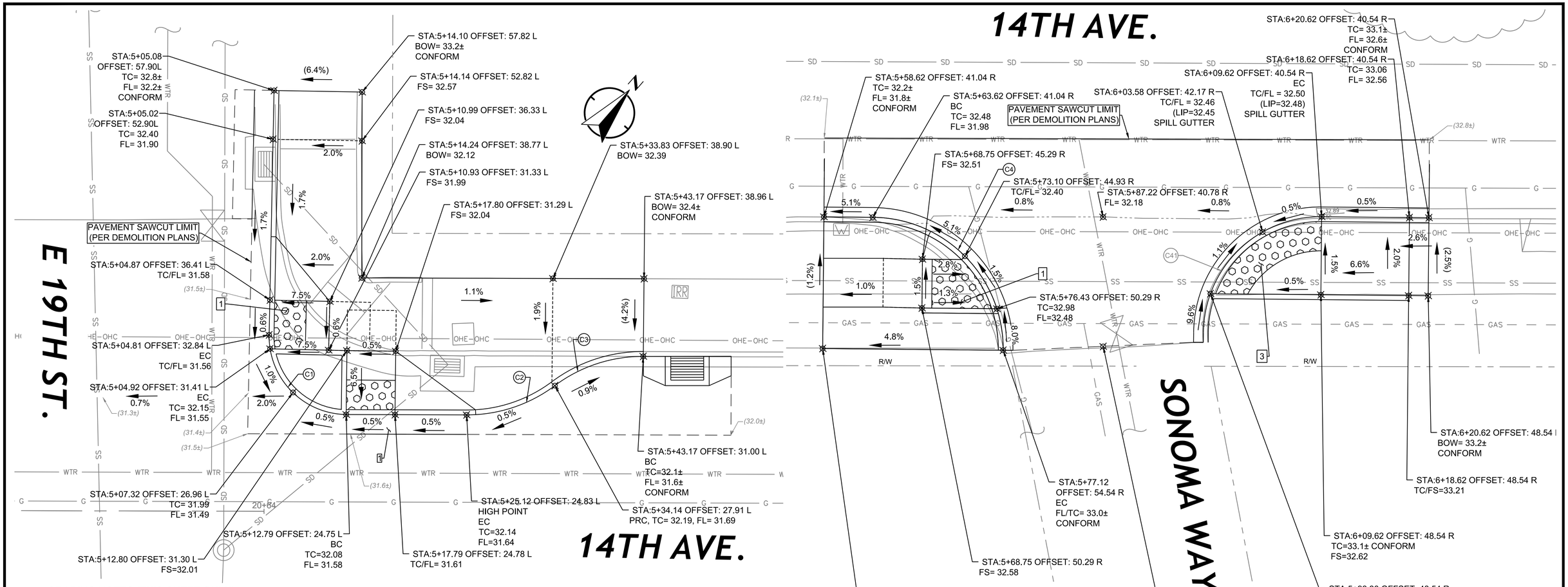
PROJECT NO.
1004251

SCALE: 1"=5'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO.
G-01
41 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Grading.dwg
PLOT DATE: 11-01-23
PLOTTED BY: Chris-Allen

14TH AVENUE STREETSCAPE



GRADING NOTES (THIS SHEET ONLY):

1. CURB, GUTTER, AND SIDEWALK SHALL CONFORM TO MATCHING EXISTING CONDITIONS AT CONFORM POINTS.
2. CONTRACTOR TO CONFIRM ELEVATIONS PRIOR TO CONSTRUCTING IMPROVEMENTS.
3. FLOW LINE SLOPES ARE CONSTANT BETWEEN GRADE BREAKS, LOW POINTS, AND HIGH POINTS.
4. CONTRACTOR SHALL RESTORE ALL DAMAGED, REMOVED, OR OTHERWISE DISTURBED WALLS, FENCES, SERVICES, UTILITIES, IMPROVEMENTS, OR FEATURES OF WHATEVER NATURE, DUE TO CONTRACTOR'S WORK.
5. NO TRENCHES OR HOLES SHALL BE LEFT OPEN OVERNIGHT; USE STEEL PLATING OR HOT MIX ASPHALT AS REQUIRED TO PROTECT TRENCHES OVERNIGHT.
6. ALL CONSTRUCTION STAKING FOR PROPOSED WORK SHALL BE DONE BY CONTRACTOR.
7. CURB RAMPS TO BE OF TYPE CASE A, PER CALTRANS STD PLAN A88A, UNLESS OTHERWISE NOTED.
8. CONFORM SIDEWALK TO EX. PAVED PATHWAYS OF ADJACENT RESIDENTIAL PROPERTIES. THERE SHALL BE NO LIP OR STEP AT CONFORM POINTS.

GENERAL NOTES:

1. SEE SHEET 2 FOR FULL LIST OF GENERAL NOTES, ABBREVIATIONS, AND LEGENDS.
2. FOR DEMOLITION, LAYOUT, UTILITY, AND SIGNAL PLAN SHEET NUMBERS AT THIS LOCATION, SEE SHEET 1, KEY MAP.
3. EXISTING SIGNS AND STRIPING NOT IDENTIFIED IN THESE PLANS SHALL BE PROTECTED IN PLACE.

5 0 5 10
SCALE PLAN SCALE FEET

Curve Table

Curve #	Length	Radius	Delta
C1	12.70	8.0	90.98
C2	9.69	15.0	37.03
C3	9.71	15.0	37.11
C4	4.36	13.5	18.49
C41	18.85	12.0	90.00

CONSTRUCTION NOTES:

CONSTRUCTION NOTES FOR THIS SHEET ONLY.
CONSTRUCTION NOTES DO NOT NECESSARILY APPEAR ON EVERY SHEET.

1 INSTALL CASE A CURB RAMP PER CALTRANS STD. PLAN A88A.

3 INSTALL CASE CM CURB RAMP PER CALTRANS STD. PLAN A88B.

alta
304 12TH ST, SUITE 2A
OAKLAND, CA 94607
p:510.540.5008

CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER STEVEN B. FRESON No. C-42110 Civil STATE OF CALIFORNIA

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

GRADING PLANS

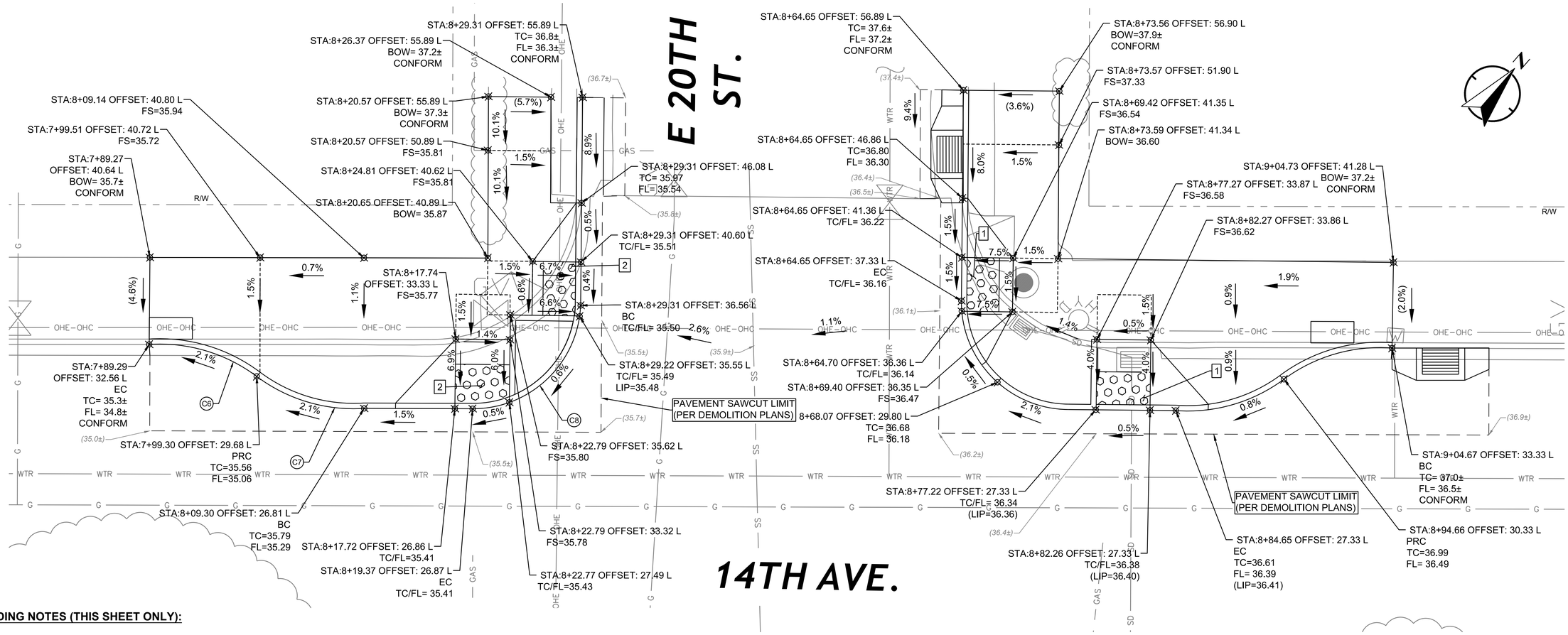
PROJECT NO. 1004251

SCALE: 1"=5'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO. G-02
42 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Grading.dwg
PLOT DATE: 02-12-24
PLOTTED BY: Chris-Allen

14TH AVENUE STREETSCAPE



GRADING NOTES (THIS SHEET ONLY):

1. CURB, GUTTER, AND SIDEWALK SHALL CONFORM TO MATCHING EXISTING CONDITIONS AT CONFORM POINTS.
2. CONTRACTOR TO CONFIRM ELEVATIONS PRIOR TO CONSTRUCTING IMPROVEMENTS.
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6. ALL CONSTRUCTION STAKING FOR PROPOSED WORK SHALL BE DONE BY CONTRACTOR.
7. CURB RAMPS TO BE OF TYPE CASE A, PER CALTRANS STD PLAN A88A, UNLESS OTHERWISE NOTED.
8. CONFORM SIDEWALK TO EX. PAVED PATHWAYS OF ADJACENT RESIDENTIAL PROPERTIES. THERE SHALL BE NO LIP OR STEP AT CONFORM POINTS.

GENERAL NOTES:

1. SEE SHEET 2 FOR FULL LIST OF GENERAL NOTES, ABBREVIATIONS, AND LEGENDS.
2. FOR DEMOLITION, LAYOUT, UTILITY, AND SIGNAL PLAN SHEET NUMBERS AT THIS LOCATION, SEE SHEET 1, KEY MAP.
3. EXISTING SIGNS AND STRIPING NOT IDENTIFIED IN THESE PLANS SHALL BE PROTECTED IN PLACE.

Curve Table			
Curve #	Length	Radius	Delta
C6	10.63	15.0	40.62
C7	10.63	15.0	40.62
C8	15.64	10.0	89.63

CONSTRUCTION NOTES:

CONSTRUCTION NOTES FOR THIS SHEET ONLY.
CONSTRUCTION NOTES DO NOT NECESSARILY APPEAR ON EVERY SHEET.

1 INSTALL CASE A CURB RAMP PER CALTRANS STD. PLAN A88A.

2 INSTALL CASE G CURB RAMP PER CALTRANS STD. PLAN A88A.

5 0 5 10
SCALE PLAN SCALE FEET

alta
304 12TH ST, SUITE 2A
OAKLAND, CA 94607
p:510.540.5008

CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER STEVEN B. FRESON No. C-42110 CIVIL STATE OF CALIFORNIA

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DEPARTMENT OF TRANSPORTATION
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OAKLAND, CA 94612
(510) 238-3437
FAX (510) 238-7227

14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

GRADING PLANS

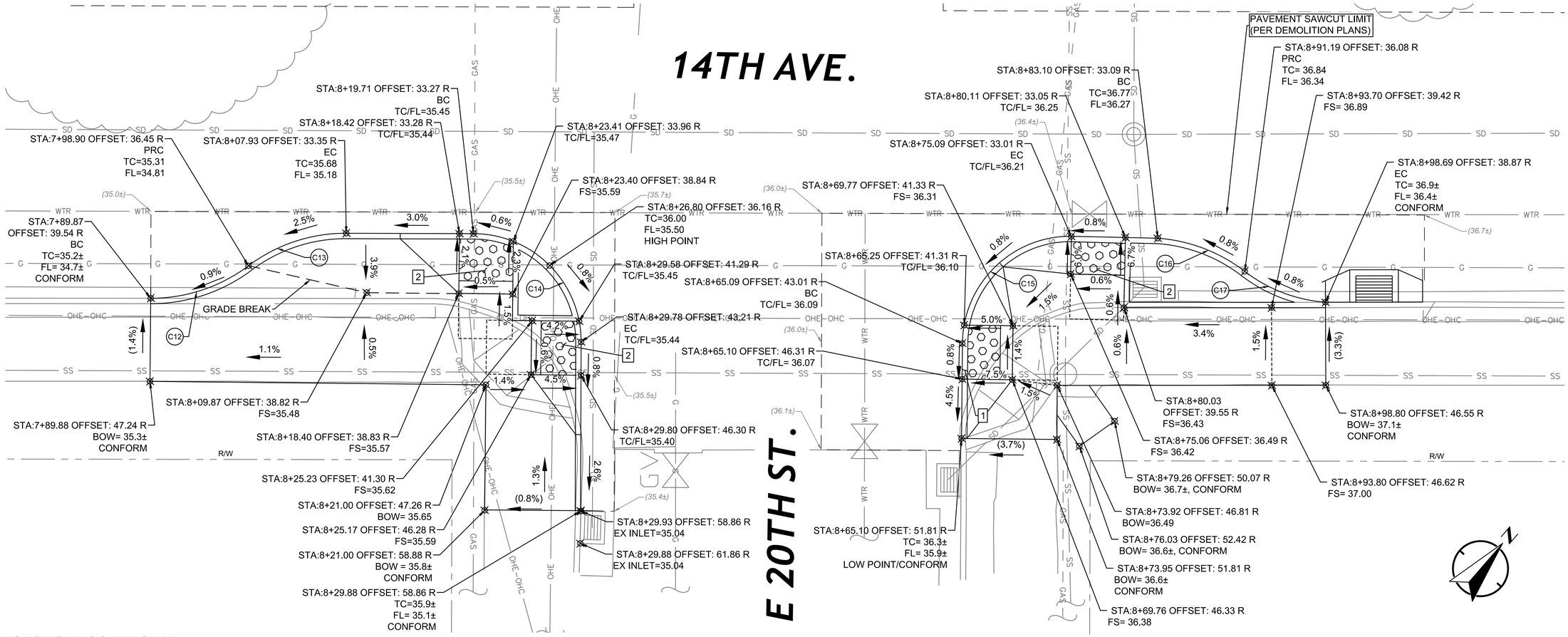
PROJECT NO. 1004251

SCALE: 1"=5'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO. G-03
43 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Grading.dwg
PLOT DATE: 02-12-24
PLOTTED BY: MaisieMacNaughton

14TH AVENUE STREETSCAPE



GRADING NOTES (THIS SHEET ONLY):

1. CURB, GUTTER, AND SIDEWALK SHALL CONFORM TO MATCHING EXISTING CONDITIONS AT CONFORM POINTS.
2. CONTRACTOR TO CONFIRM ELEVATIONS PRIOR TO CONSTRUCTING IMPROVEMENTS.
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4. CONTRACTOR SHALL RESTORE ALL DAMAGED, REMOVED, OR OTHERWISE DISTURBED WALLS, FENCES, SERVICES, UTILITIES, IMPROVEMENTS, OR FEATURES OF WHATEVER NATURE, DUE TO CONTRACTOR'S WORK.
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6. ALL CONSTRUCTION STAKING FOR PROPOSED WORK SHALL BE DONE BY CONTRACTOR.
7. CURB RAMPS TO BE OF TYPE CASE A, PER CALTRANS STD PLAN A88A, UNLESS OTHERWISE NOTED.
8. CONFORM SIDEWALK TO EX. PAVED PATHWAYS OF ADJACENT RESIDENTIAL PROPERTIES. THERE SHALL BE NO LIP OR STEP AT CONFORM POINTS.

GENERAL NOTES:

1. SEE SHEET 2 FOR FULL LIST OF GENERAL NOTES, ABBREVIATIONS, AND LEGENDS.
2. FOR DEMOLITION, LAYOUT, UTILITY, AND SIGNAL PLAN SHEET NUMBERS AT THIS LOCATION, SEE SHEET 1, KEY MAP.
3. EXISTING SIGNS AND STRIPING NOT IDENTIFIED IN THESE PLANS SHALL BE PROTECTED IN PLACE.

5 0 5 10
SCALE PLAN SCALE FEET

Curve Table

Curve #	Length	Radius	Delta
C12	9.71	15.0	37.10
C13	9.72	15.0	37.11
C14	15.71	10.0	90.00
C15	15.71	10.0	90.00
C16	8.74	15.0	33.39
C17	8.12	14.0	33.23

CONSTRUCTION NOTES:

CONSTRUCTION NOTES FOR THIS SHEET ONLY.
CONSTRUCTION NOTES DO NOT NECESSARILY APPEAR ON EVERY SHEET.

1 INSTALL CASE A CURB RAMP PER CALTRANS STD. PLAN A88A.

2 INSTALL CASE G CURB RAMP PER CALTRANS STD. PLAN A88A.

alta
304 12TH ST, SUITE 2A
OAKLAND, CA 94607
p:510.540.5008

CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER STEVEN B. TRITESON No. C-42110 CIVIL STATE OF CALIFORNIA

CITY OF OAKLAND
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(510) 238-3437
FAX (510) 238-7227

14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

GRADING PLANS

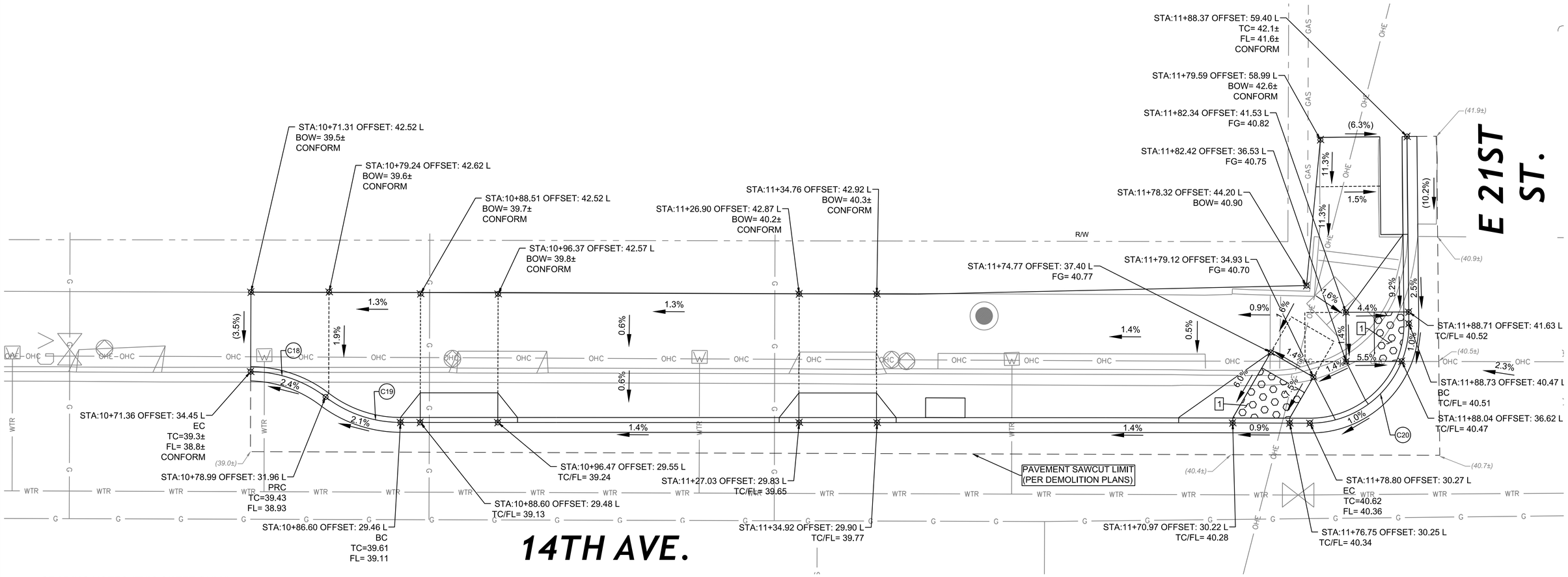
PROJECT NO.
1004251

SCALE: 1"=5'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO.
G-04
44 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Grading.dwg
PLOT DATE: 02-12-24
PLOTTED BY: MaiseMacNaughton

14TH AVENUE STREETSCAPE



GRADING NOTES (THIS SHEET ONLY):

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2. CONTRACTOR TO CONFIRM ELEVATIONS PRIOR TO CONSTRUCTING IMPROVEMENTS.
3. FLOW LINE SLOPES ARE CONSTANT BETWEEN GRADE BREAKS, LOW POINTS, AND HIGH POINTS.
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GENERAL NOTES:

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Curve Table

Curve #	Length	Radius	Delta
C18	8.17	12.5	37.47
C19	8.16	12.5	37.38
C20	15.83	10.0	90.71

CONSTRUCTION NOTES:

CONSTRUCTION NOTES FOR THIS SHEET ONLY.
CONSTRUCTION NOTES DO NOT NECESSARILY APPEAR ON EVERY SHEET.

1 INSTALL CASE A CURB RAMP PER CALTRANS STD. PLAN A88A.

5 0 5 10
SCALE PLAN SCALE FEET

alta
304 12TH ST, SUITE 2A
OAKLAND, CA 94607
p:510.540.5008

CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER STEVEN B. FRESON No. C-42110 Civil STATE OF CALIFORNIA

CITY OF OAKLAND
DEPARTMENT OF TRANSPORTATION
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OAKLAND, CA 94612
(510) 238-3437
FAX (510) 238-7227

14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

GRADING PLANS

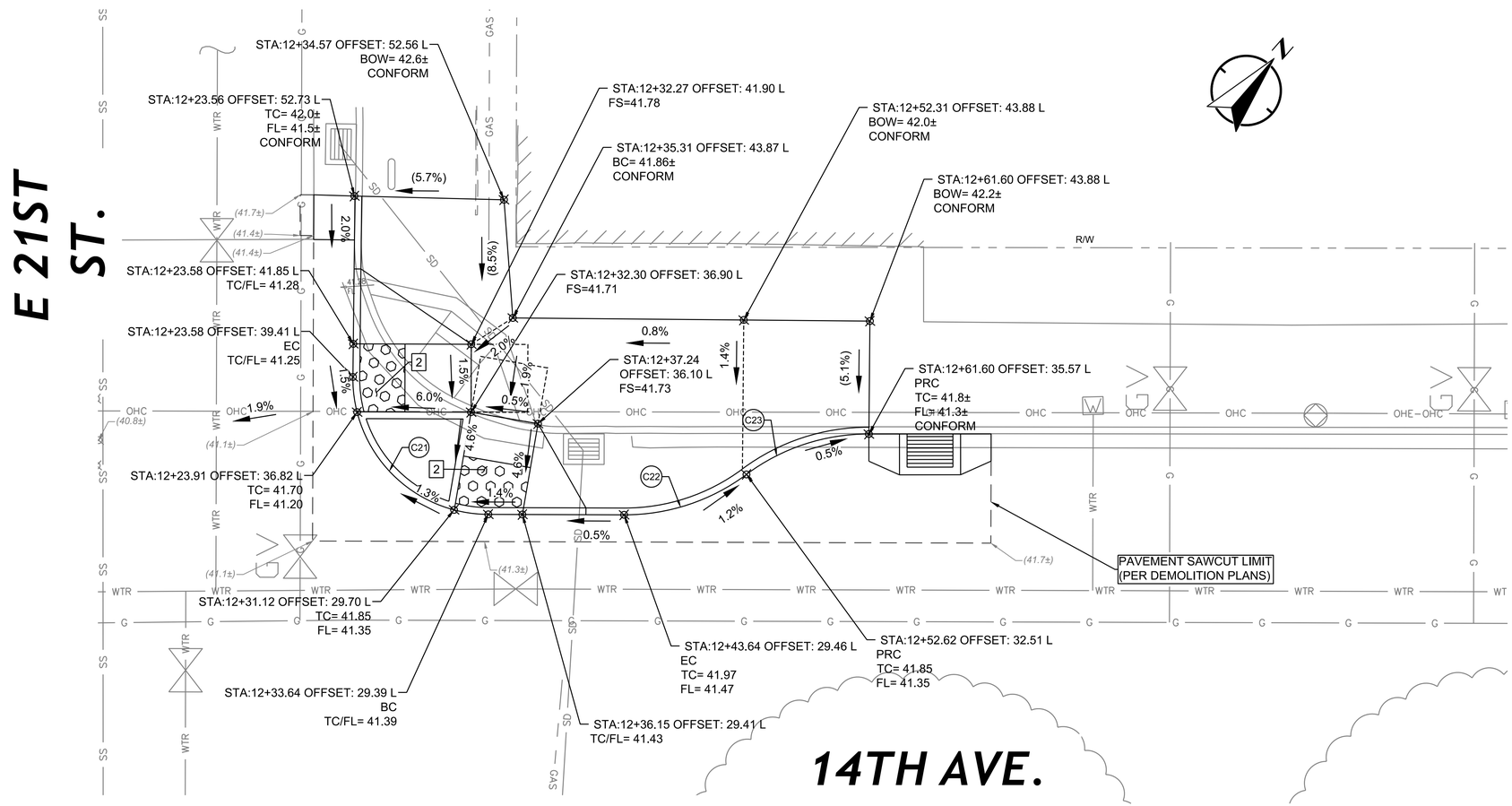
PROJECT NO.
1004251

SCALE: 1"=5'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO.
G-05
45 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Grading.dwg
PLOT DATE: 02-12-24
PLOTTED BY: MaisieMacNaughton

14TH AVENUE STREETSCAPE



GRADING NOTES (THIS SHEET ONLY):

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2. CONTRACTOR TO CONFIRM ELEVATIONS PRIOR TO CONSTRUCTING IMPROVEMENTS.
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GENERAL NOTES:

1. SEE SHEET 2 FOR FULL LIST OF GENERAL NOTES, ABBREVIATIONS, AND LEGENDS.
2. FOR DEMOLITION, LAYOUT, UTILITY, AND SIGNAL PLAN SHEET NUMBERS AT THIS LOCATION, SEE SHEET 1, KEY MAP.
3. EXISTING SIGNS AND STRIPING NOT IDENTIFIED IN THESE PLANS SHALL BE PROTECTED IN PLACE.

Curve Table			
Curve #	Length	Radius	Delta
C21	15.79	10.0	90.47
C22	9.65	15.0	36.87
C23	9.65	15.0	36.87

CONSTRUCTION NOTES:

CONSTRUCTION NOTES FOR THIS SHEET ONLY.
CONSTRUCTION NOTES DO NOT NECESSARILY APPEAR ON EVERY SHEET.

2 INSTALL CASE G CURB RAMP PER CALTRANS STD. PLAN A88A.

5 0 5 10
SCALE PLAN SCALE FEET

alta
304 12TH ST, SUITE 2A
OAKLAND, CA 94607
p:510.540.5008

CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER STEVEN B. FRIESON No. C-42110 CIVIL STATE OF CALIFORNIA

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FAX (510) 238-7227

14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

GRADING PLANS

PROJECT NO.
1004251

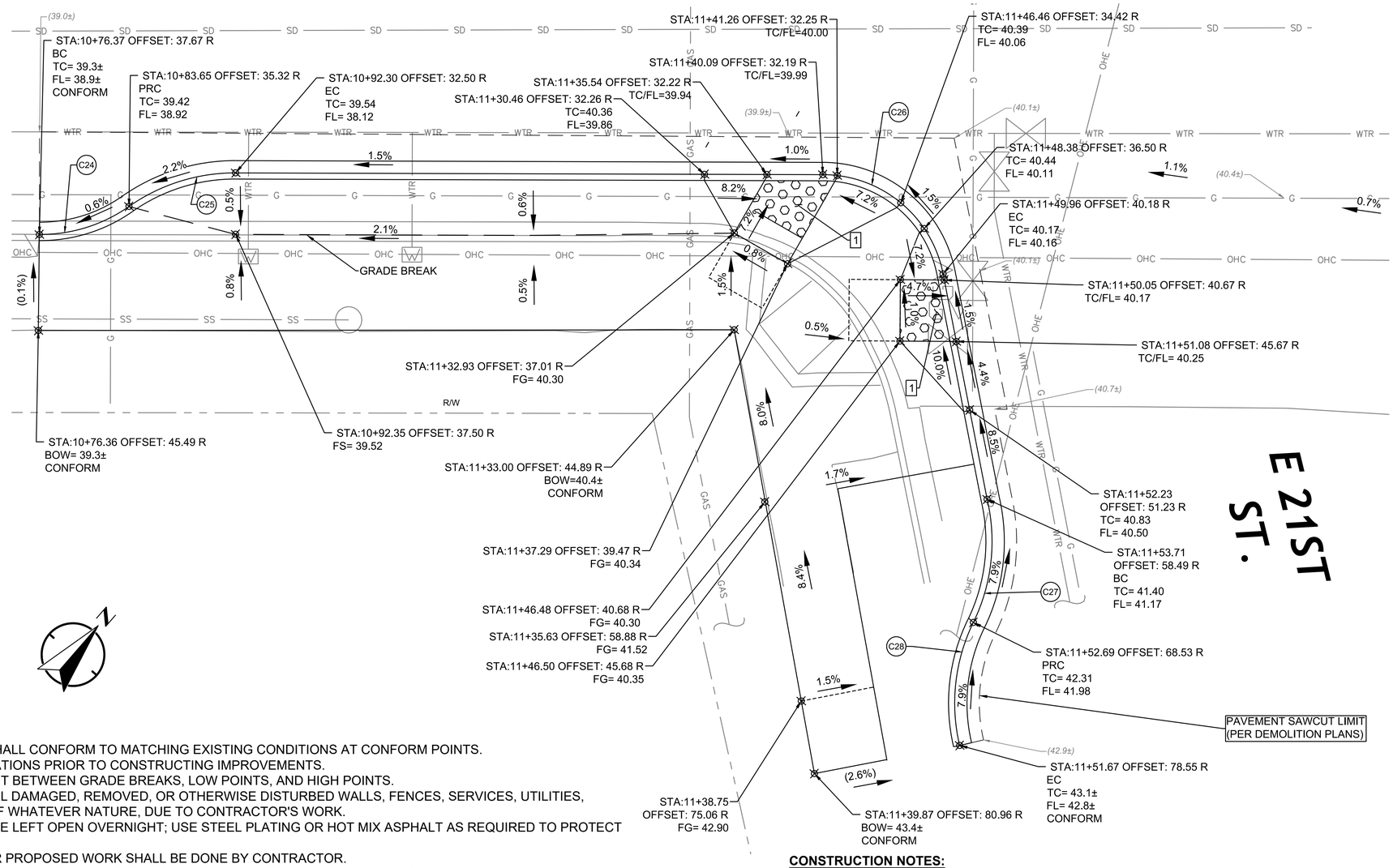
SCALE: 1"=5'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO.
G-06
46 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\20-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Grading.dwg
PLOT DATE: 02-12-24
PLOTTED BY: MaiseMacNaughton

14TH AVENUE STREETSCAPE

Curve Table			
Curve #	Length	Radius	Delta
C24	7.77	12.5	35.61
C25	9.24	15.0	35.30
C26	13.75	10.0	78.78
C27	10.29	15.0	39.30
C28	10.29	15.0	39.30



GRADING NOTES (THIS SHEET ONLY):

1. CURB, GUTTER, AND SIDEWALK SHALL CONFORM TO MATCHING EXISTING CONDITIONS AT CONFORM POINTS.
2. CONTRACTOR TO CONFIRM ELEVATIONS PRIOR TO CONSTRUCTING IMPROVEMENTS.
3. FLOW LINE SLOPES ARE CONSTANT BETWEEN GRADE BREAKS, LOW POINTS, AND HIGH POINTS.
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5 0 5 10
SCALE PLAN SCALE FEET

CONSTRUCTION NOTES:

CONSTRUCTION NOTES FOR THIS SHEET ONLY.
CONSTRUCTION NOTES DO NOT NECESSARILY APPEAR ON EVERY SHEET.

1 INSTALL CASE A CURB RAMP PER CALTRANS STD. PLAN A88A.

alta
304 12TH ST, SUITE 2A
OAKLAND, CA 94607
p:510.540.5008

CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER STEVEN B. PRESSON No. C-42110 CIVIL STATE OF CALIFORNIA

CITY OF OAKLAND
DEPARTMENT OF TRANSPORTATION
250 FRANK H. OGAWA PLAZA, SUITE 4314
OAKLAND, CA 94612
(510) 238-3437
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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

GRADING PLANS

PROJECT NO.
1004251

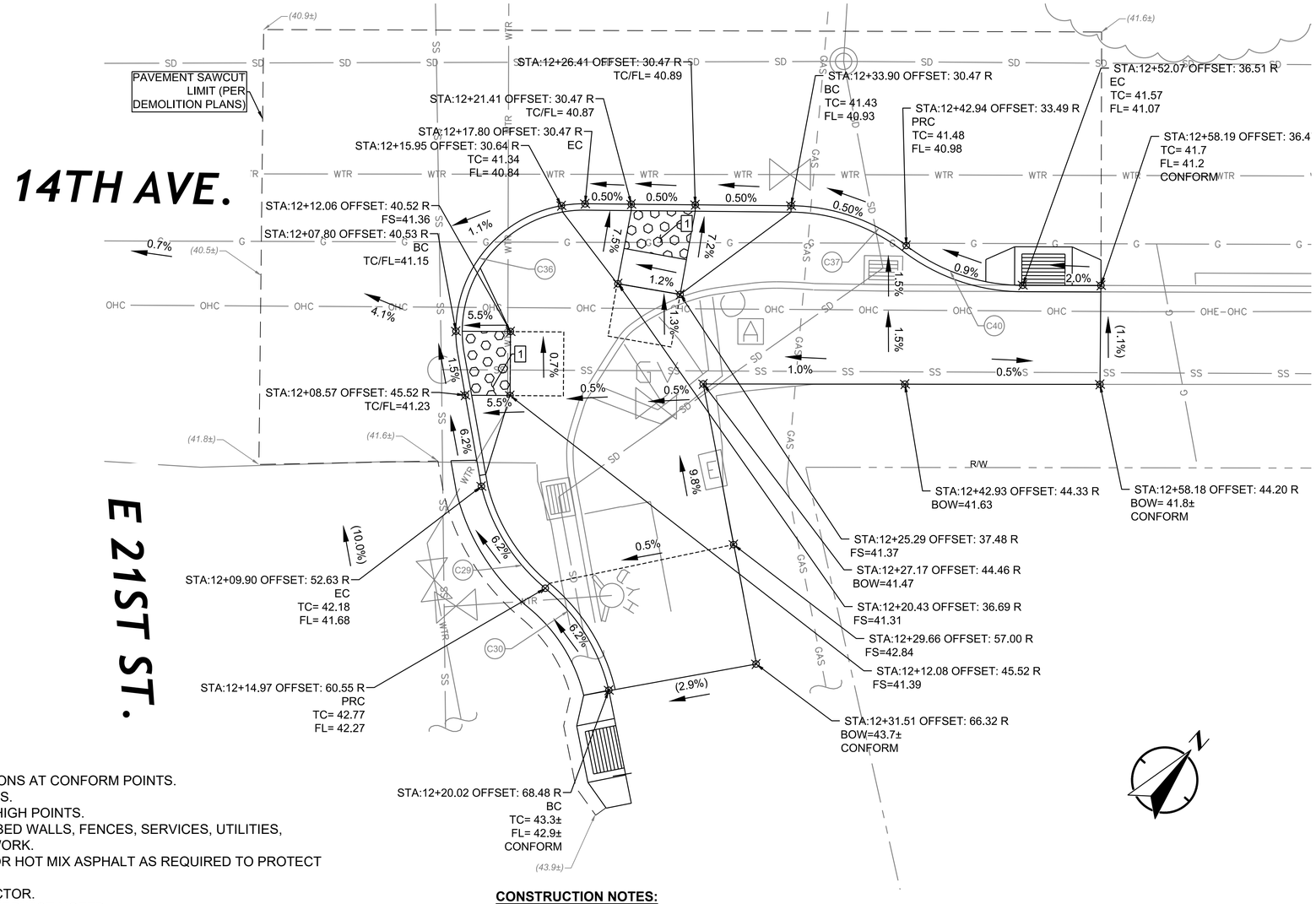
SCALE: 1"=5'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO.
G-07
47 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Grading.dwg
PLOT DATE: 02-12-24
PLOTTED BY: MaiseMacNaughton

14TH AVENUE STREETSCAPE

Curve Table			
Curve #	Length	Radius	Delta
C29	9.56	15.0	36.53
C30	9.56	14.7	37.17
C36	17.56	10.0	100.63
C37	9.70	15.0	37.04
C40	9.79	15.0	37.40



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5 0 5 10
SCALE PLAN SCALE FEET

CONSTRUCTION NOTES:

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1 INSTALL CASE A CURB RAMP PER CALTRANS STD. PLAN A88A.

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OAKLAND, CA 94607
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DESIGNED BY	JW
DRAWN BY	JP

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

GRADING PLANS

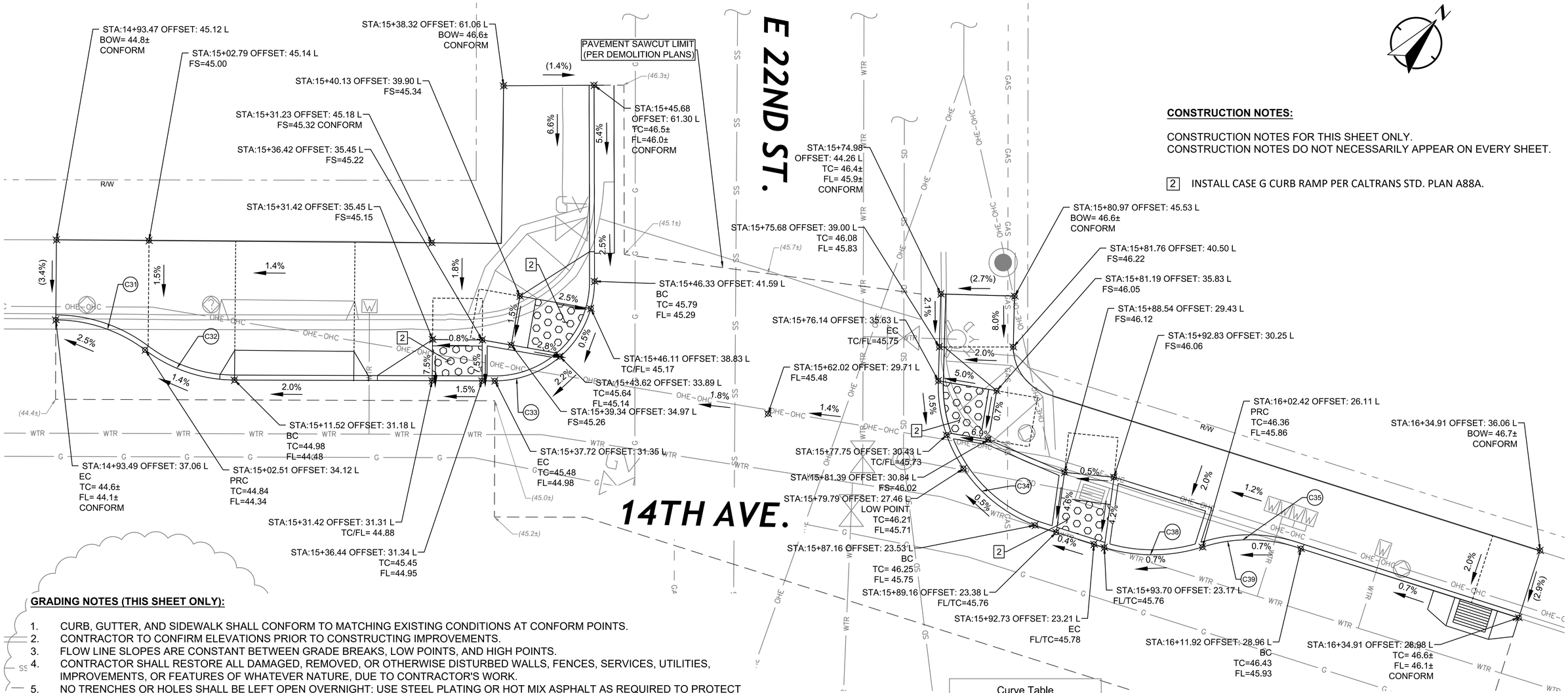
PROJECT NO. 1004251

SCALE: 1"=5'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO. G-08
48 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Grading.dwg
PLOT DATE: 02-12-24
PLOTTED BY: MaiseiMacNaughton

14TH AVENUE STREETSCAPE



CONSTRUCTION NOTES:

CONSTRUCTION NOTES FOR THIS SHEET ONLY.
CONSTRUCTION NOTES DO NOT NECESSARILY APPEAR ON EVERY SHEET.

2 INSTALL CASE G CURB RAMP PER CALTRANS STD. PLAN A88A.

GRADING NOTES (THIS SHEET ONLY):

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5 0 5 10
SCALE PLAN SCALE FEET

Curve Table

Curve #	Length	Radius	Delta
C31	9.65	15.0	36.87
C32	9.65	15.0	36.87
C33	15.76	10.0	90.30
C34	18.69	15.0	71.38
C35	10.09	15.5	37.30
C38	10.17	16.5	35.33
C39	10.09	15.5	37.30

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DRAWN BY	JP

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

GRADING PLANS

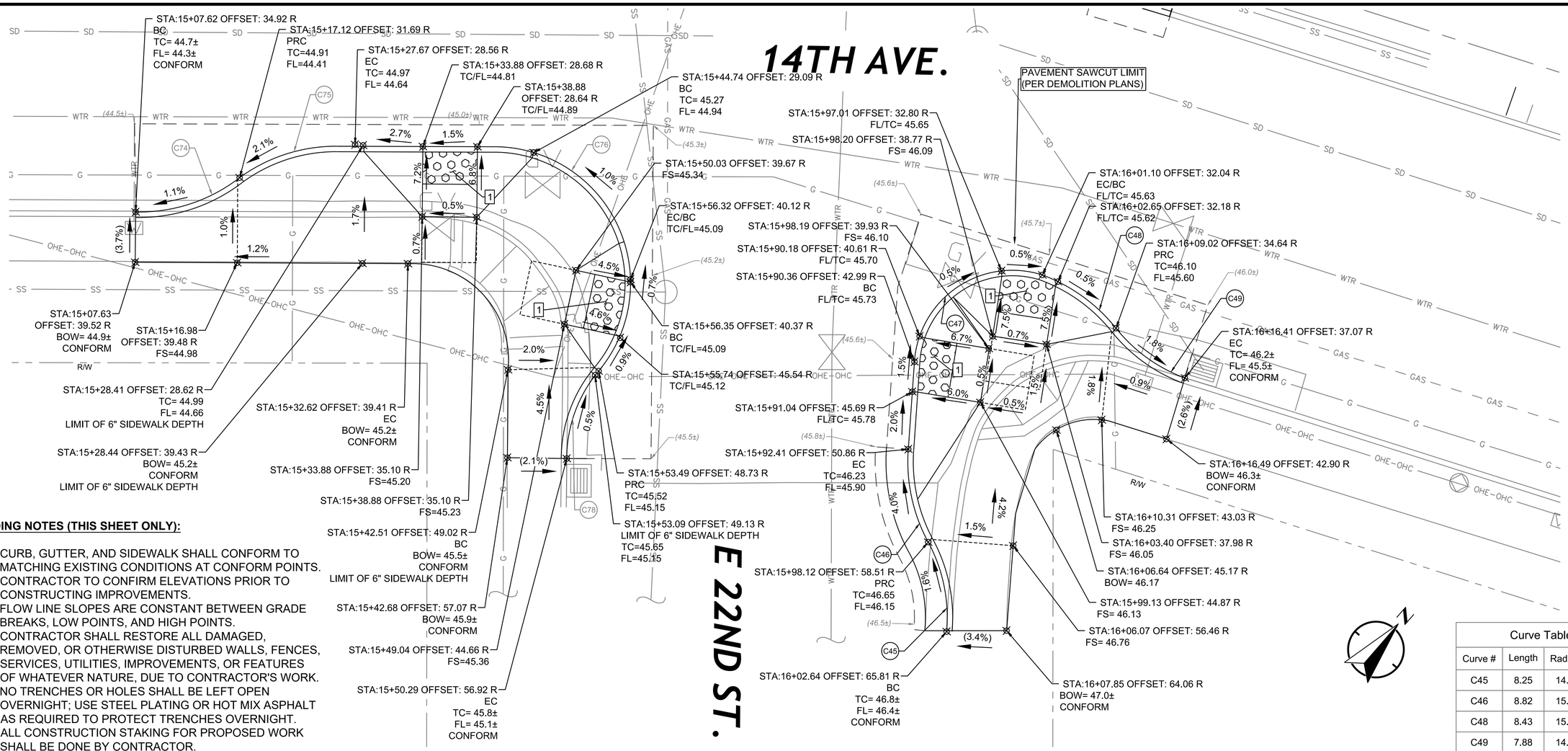
PROJECT NO.
1004251

SCALE: 1"=5'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO.
G-09
49 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Grading.dwg
PLOT DATE: 02-12-24
PLOTTED BY: Maisie MacNaughton

14TH AVENUE STREETSCAPE



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5 0 5 10
SCALE PLAN SCALE FEET

CONSTRUCTION NOTES:

CONSTRUCTION NOTES FOR THIS SHEET ONLY.
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1 INSTALL CASE A CURB RAMP PER CALTRANS STD. PLAN A88A.

Curve Table

Curve #	Length	Radius	Delta
C45	8.25	14.5	32.60
C46	8.82	15.5	32.60
C48	8.43	15.5	31.17
C49	7.88	14.5	31.13
C74	10.01	15.0	38.23
C75	9.72	15.0	37.12
C76	28.32	12.5	129.81
C78	8.70	12.5	39.89

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DESIGNED BY	JW
DRAWN BY	JP

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

GRADING PLANS

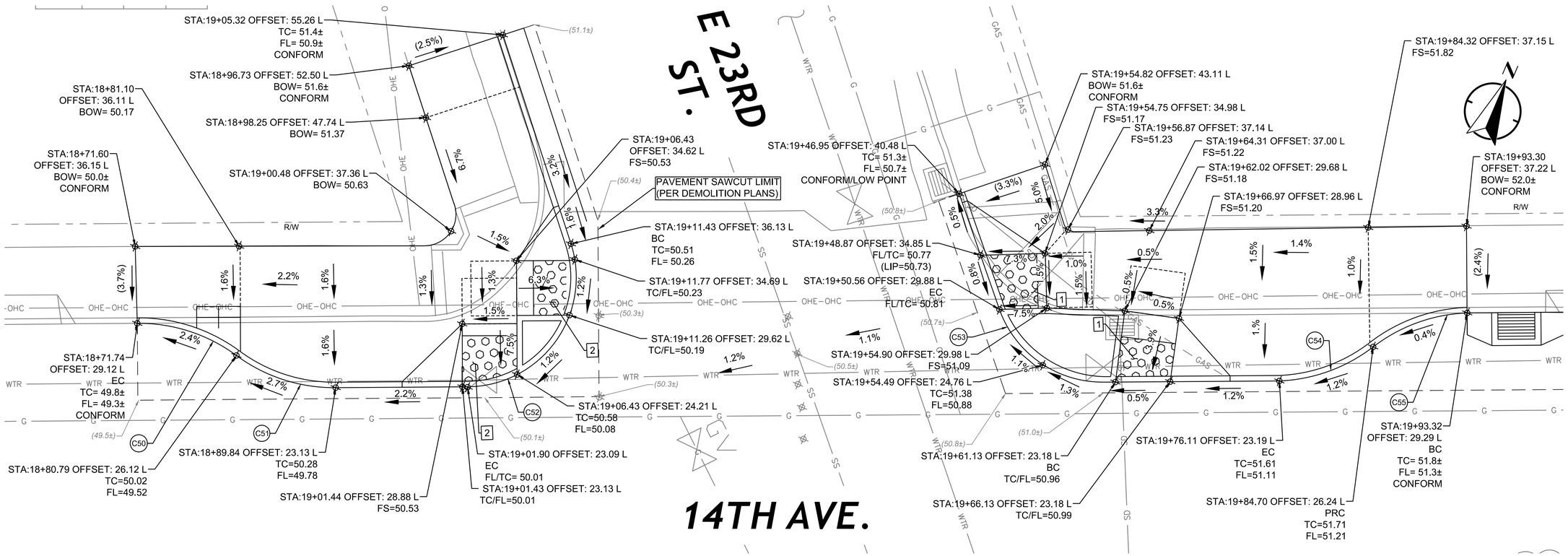
PROJECT NO. 1004251

SCALE: 1"=5'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO. G-10
50 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Grading.dwg
PLOT DATE: 02-12-24
PLOTTED BY: MasieMacNaughton

14TH AVENUE STREETSCAPE



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Curve Table

Curve #	Length	Radius	Delta
C50	9.70	15.0	37.05
C51	9.70	15.0	37.05
C51	9.70	15.0	37.05
C52	18.79	10.0	107.67
C53	12.43	10.0	71.19
C54	9.29	15.0	35.50
C55	9.29	15.0	35.50

CONSTRUCTION NOTES:

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1 INSTALL CASE A CURB RAMP PER CALTRANS STD. PLAN A88A.

2 INSTALL CASE G CURB RAMP PER CALTRANS STD. PLAN A88A.

5 0 5 10
SCALE PLAN SCALE FEET

alta
304 12TH ST, SUITE 2A
OAKLAND, CA 94607
p:510.540.5008

CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER STEVEN B. FRESON No. C-42110 Civil STATE OF CALIFORNIA

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

GRADING PLANS

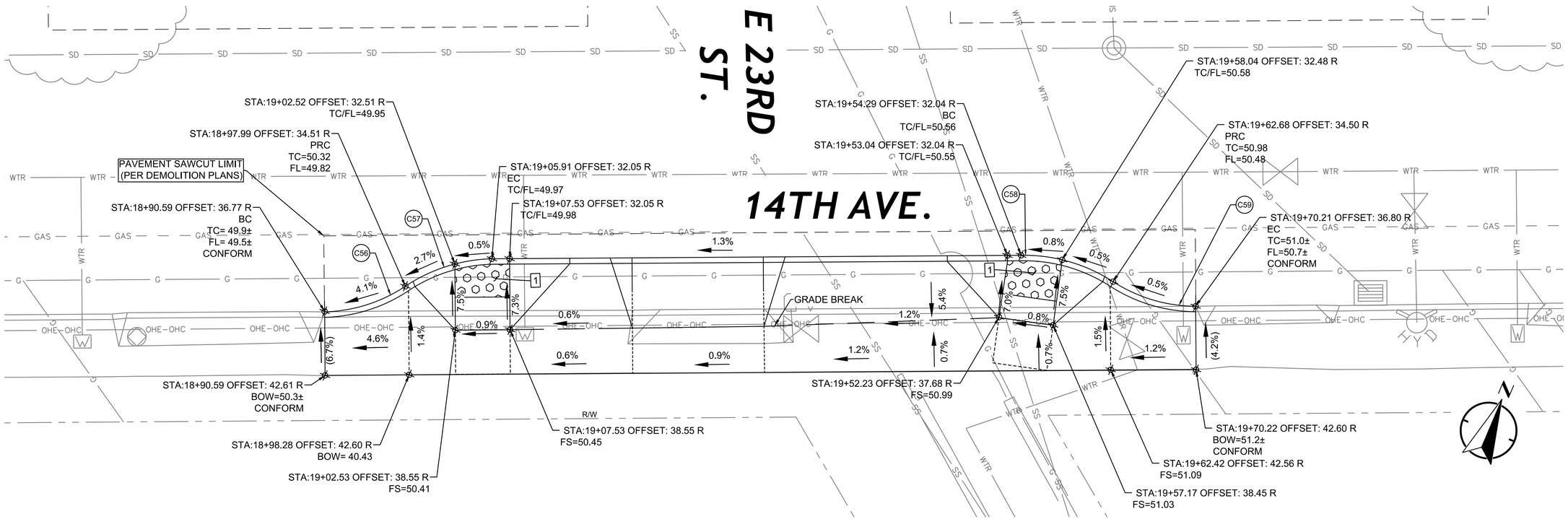
PROJECT NO.
1004251

SCALE: 1"=5'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO.
G-11
51 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Grading.dwg
PLOT DATE: 02-12-24
PLOTTED BY: MaisieMacNaughton

14TH AVENUE STREETSCAPE



Curve Table			
Curve #	Length	Radius	Delta
C56	7.85	14.0	32.12
C57	8.40	15.0	32.09
C58	8.56	15.0	32.70
C59	7.99	14.0	32.70

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5 0 5 10
SCALE PLAN SCALE FEET

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304 12TH ST, SUITE 2A
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p:510.540.5008

CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER STEVEN B. ARTESON No. C-42110 CIVIL STATE OF CALIFORNIA

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

GRADING PLANS

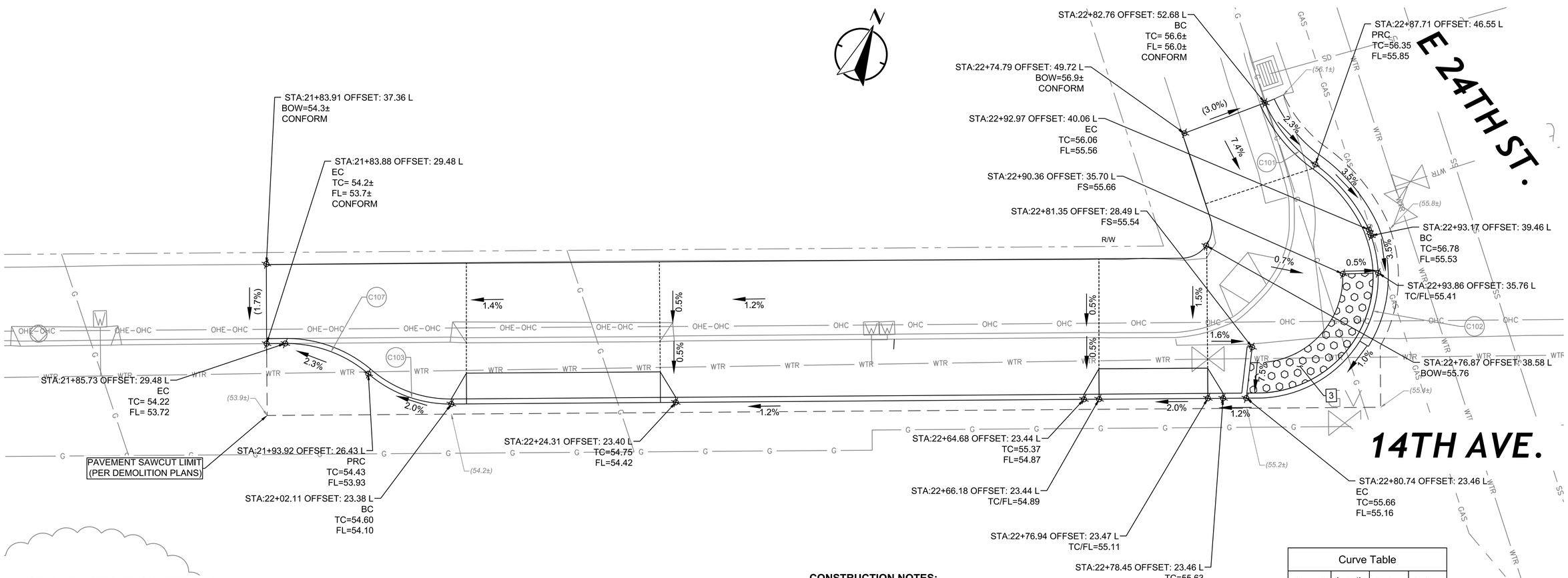
PROJECT NO. 1004251

SCALE: 1"=5'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO. G-12
52 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Grading.dwg
PLOT DATE: 02-12-24
PLOTTED BY: MasieMacNaughton

14TH AVENUE STREETSCAPE



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5 0 5 10
SCALE PLAN SCALE FEET

CONSTRUCTION NOTES:

CONSTRUCTION NOTES FOR THIS SHEET ONLY.
CONSTRUCTION NOTES DO NOT NECESSARILY APPEAR ON EVERY SHEET.

3 INSTALL CASE CM CURB RAMP PER CALTRANS STD. PLAN A88B

Curve Table			
Curve #	Length	Radius	Delta
C101	7.93	15.5	29.31
C102	22.49	12.0	107.38
C103	8.93	12.5	40.92
C107	8.93	12.5	40.92

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CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

GRADING PLANS

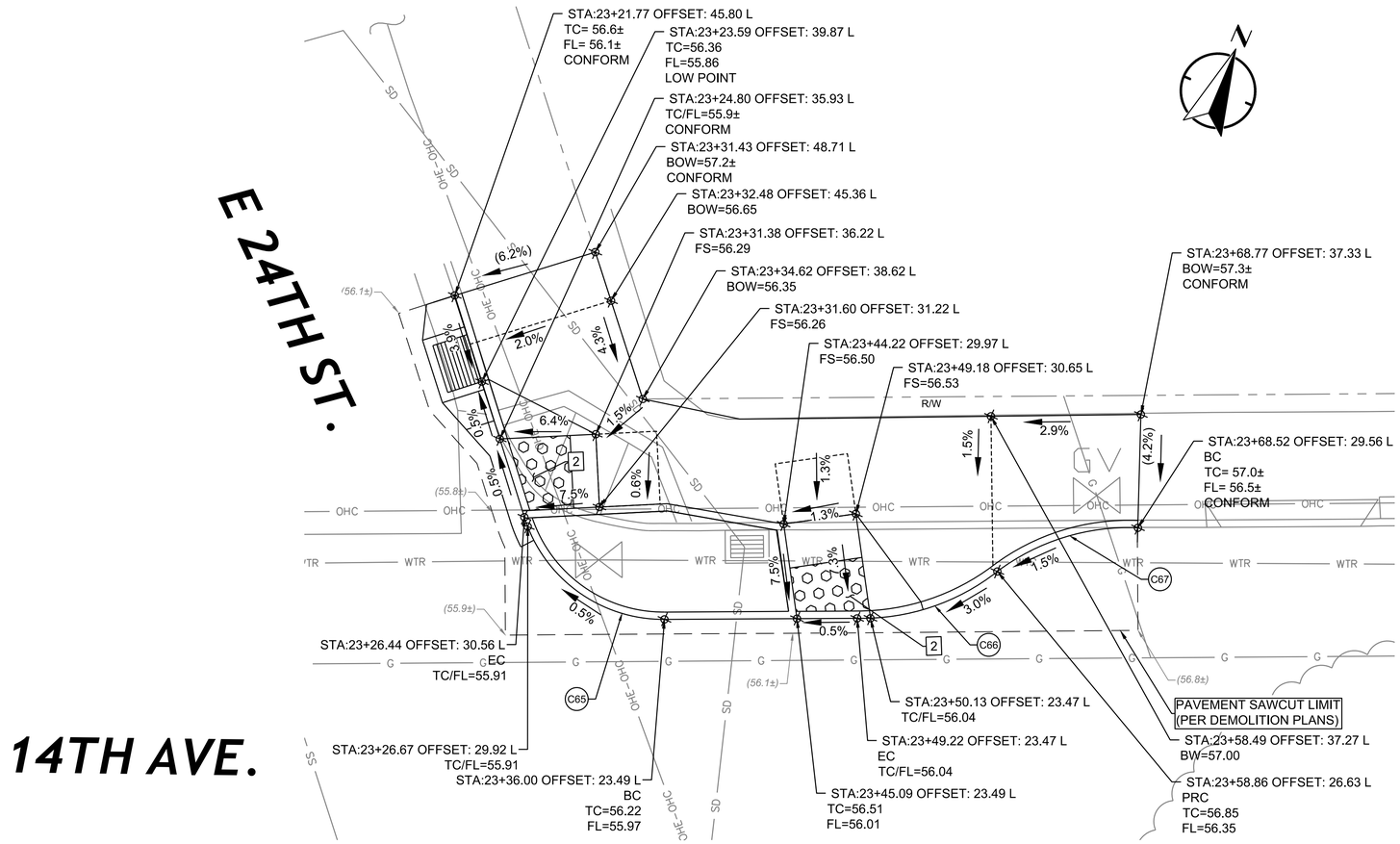
PROJECT NO.
1004251

SCALE: 1"=5'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO.
G-13
53 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Grading.dwg
PLOT DATE: 02-12-24
PLOTTED BY: MaisieMacNaughton

14TH AVENUE STREETSCAPE



Curve Table			
Curve #	Length	Radius	Delta
C65	12.73	10.0	72.96
C66	10.34	15.0	39.49
C67	10.30	15.0	39.35

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CONSTRUCTION NOTES:

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2 INSTALL CASE G CURB RAMP PER CALTRANS STD. PLAN A88A.

GENERAL NOTES:

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5 0 5 10
SCALE PLAN SCALE FEET

alta
304 12TH ST, SUITE 2A
OAKLAND, CA 94607
p:510.540.5008

CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER
STEVEN B. FRESSON
No. C-42110
CIVIL
STATE OF CALIFORNIA

CITY OF OAKLAND
DEPARTMENT OF TRANSPORTATION
250 FRANK H. OGAWA PLAZA, SUITE 4314
OAKLAND, CA 94612
(510) 238-3437
FAX (510) 238-7227

14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

GRADING PLANS

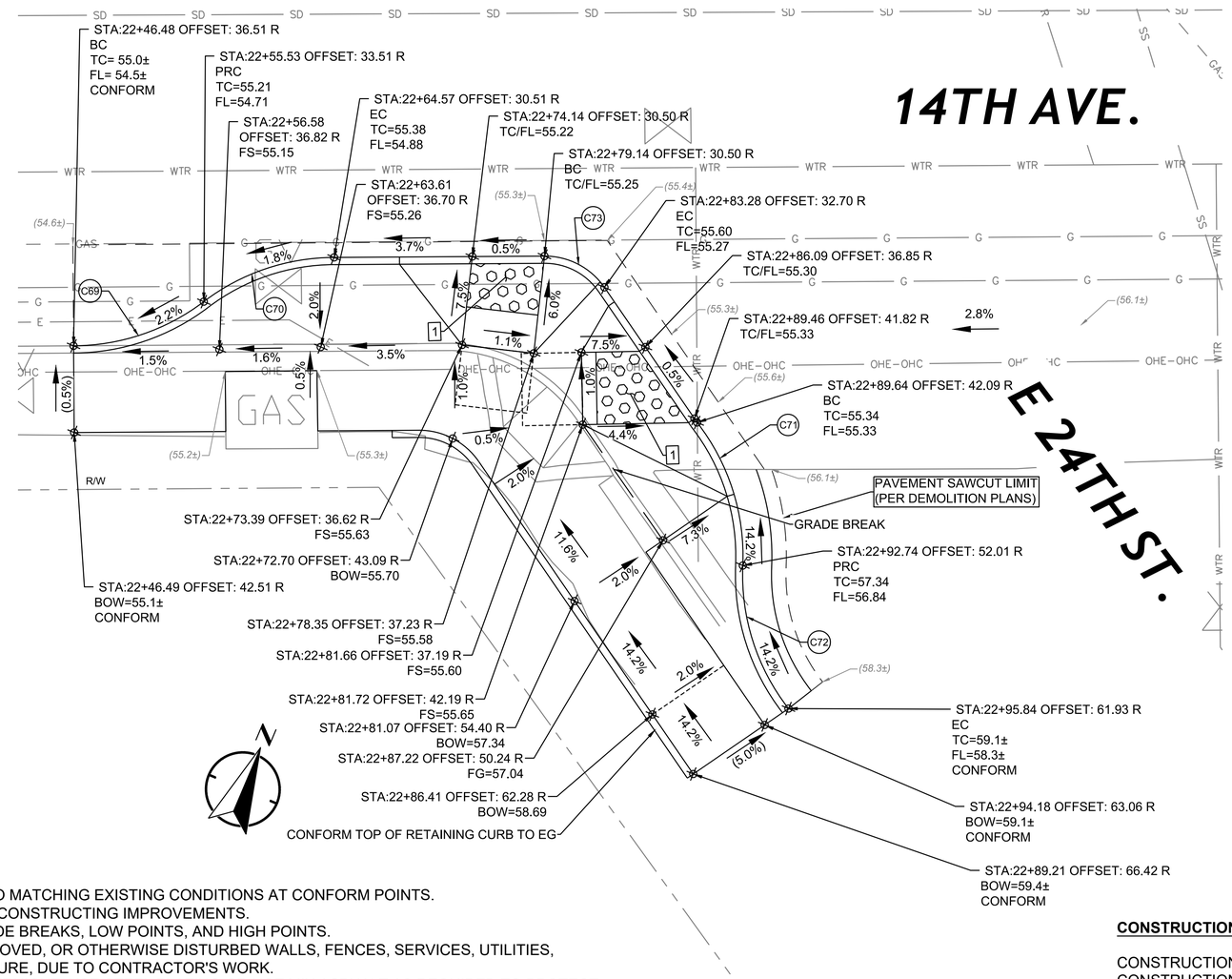
PROJECT NO.
1004251

SCALE: 1"=5'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO.
G-14
54 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Grading.dwg
PLOT DATE: 02-12-24
PLOTTED BY: Maisie MacNaughton

14TH AVENUE STREETSCAPE



Curve Table			
Curve #	Length	Radius	Delta
C69	9.69	15.0	37.03
C70	9.69	15.0	37.03
C71	10.61	15.0	40.54
C72	10.61	15.0	40.54
C73	4.88	5.0	55.89

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5 0 5 10
SCALE PLAN SCALE FEET

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1 INSTALL CASE A CURB RAMP PER CALTRANS STD. PLAN A88A.

alta
304 12TH ST, SUITE 2A
OAKLAND, CA 94607
p:510.540.5008

CHECKED BY	SF
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DRAWN BY	JP

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

GRADING PLANS

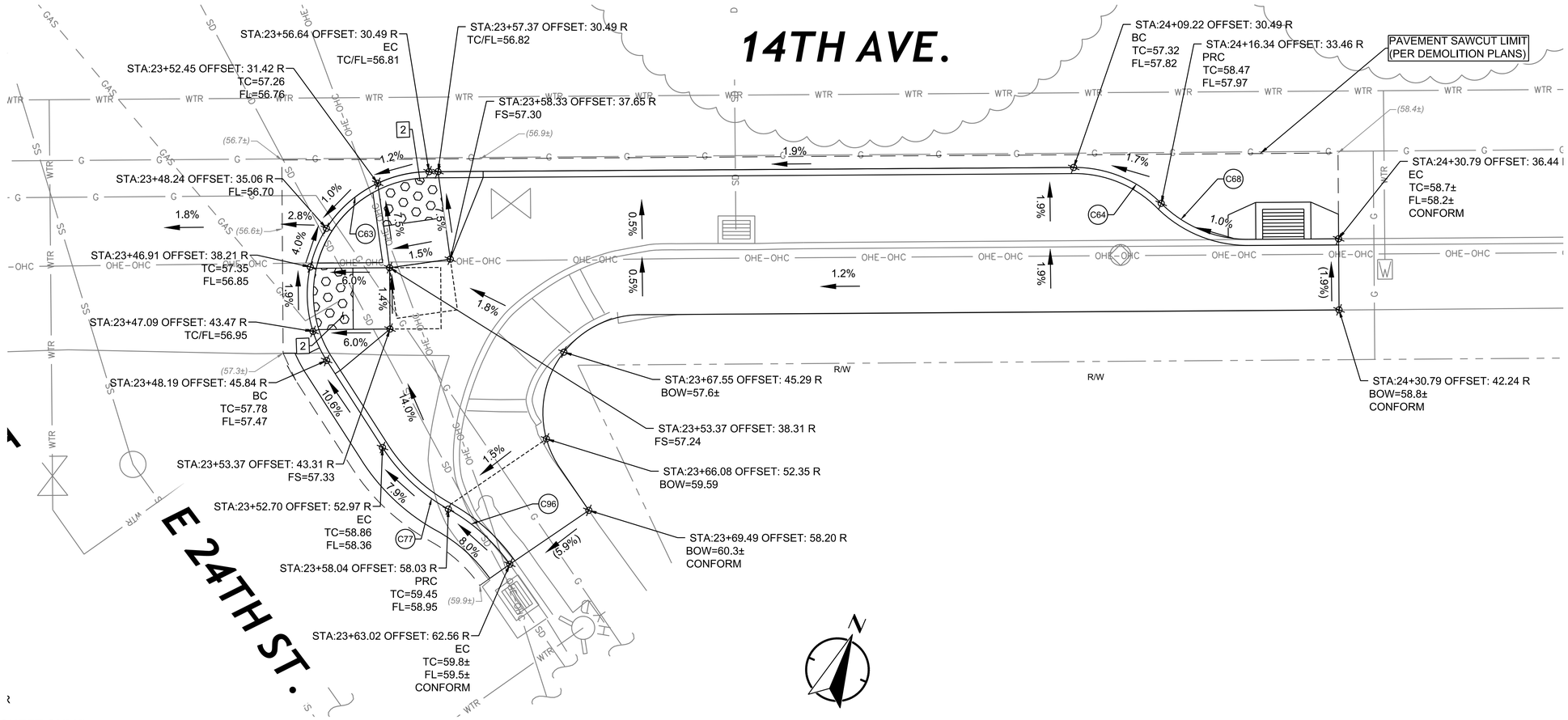
PROJECT NO. 1004251

SCALE: 1"=5'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO. G-15
55 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Grading.dwg
PLOT DATE: 02-12-24
PLOTTED BY: MaiseiMacNaughton

14TH AVENUE STREETSCAPE



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5 0 5 10
SCALE PLAN SCALE FEET

Curve Table			
Curve #	Length	Radius	Delta
C63	21.35	10.0	122.31
C64	7.92	10.0	45.40
C68	7.92	10.0	45.40
C77	7.44	15.0	28.40
C96	6.79	15.0	25.94

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2 INSTALL CASE G CURB RAMP PER CALTRANS STD. PLAN A88A.

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

GRADING PLANS

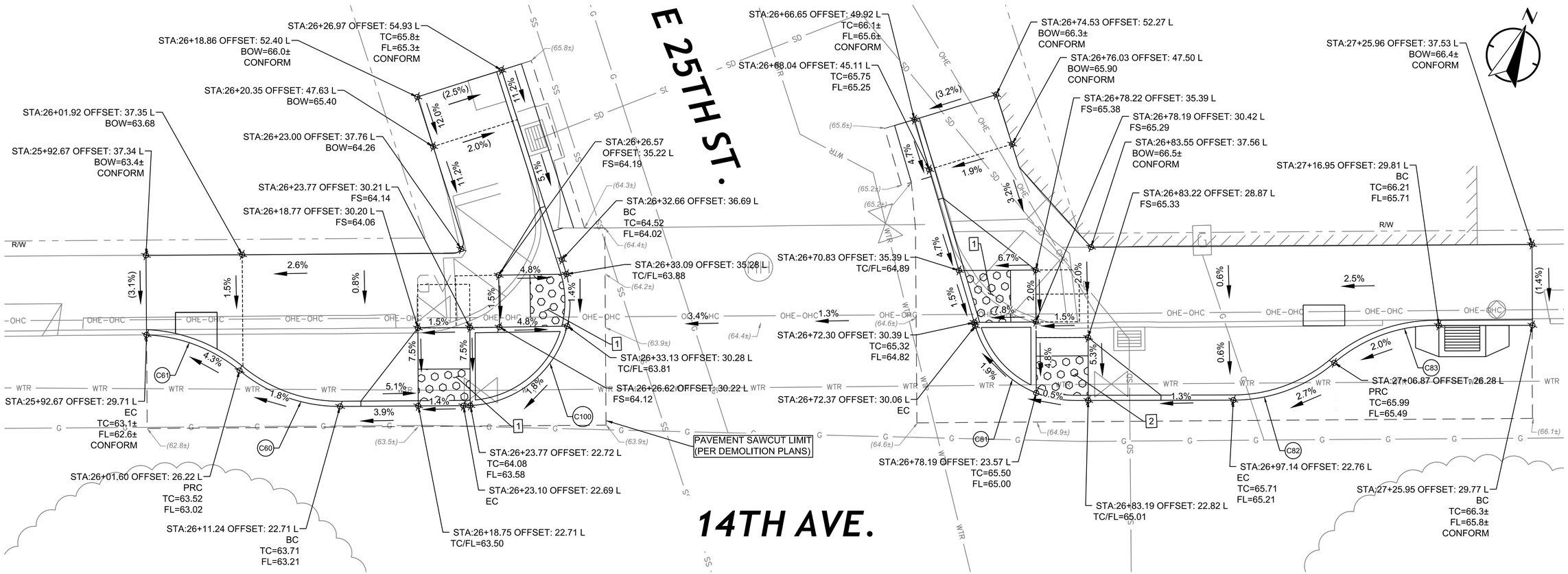
PROJECT NO.
1004251

SCALE: 1"=5'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO.
G-16
56 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Grading.dwg
PLOT DATE: 02-12-24
PLOTTED BY: MaisieMacNaughton

14TH AVENUE STREETSCAPE



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SCALE PLAN SCALE FEET

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1 INSTALL CASE A CURB RAMP PER CALTRANS STD. PLAN A88A.

2 INSTALL CASE G CURB RAMP PER CALTRANS STD. PLAN A88A.

Curve Table

Curve #	Length	Radius	Delta
C60	10.47	15.0	39.99
C61	9.76	15.0	37.28
C81	12.86	10.0	73.70
C82	10.57	15.0	40.36
C83	10.92	15.0	41.70
C100	18.73	10.0	107.30

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304 12TH ST, SUITE 2A
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p:510.540.5008

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DRAWN BY	JP

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

GRADING PLANS

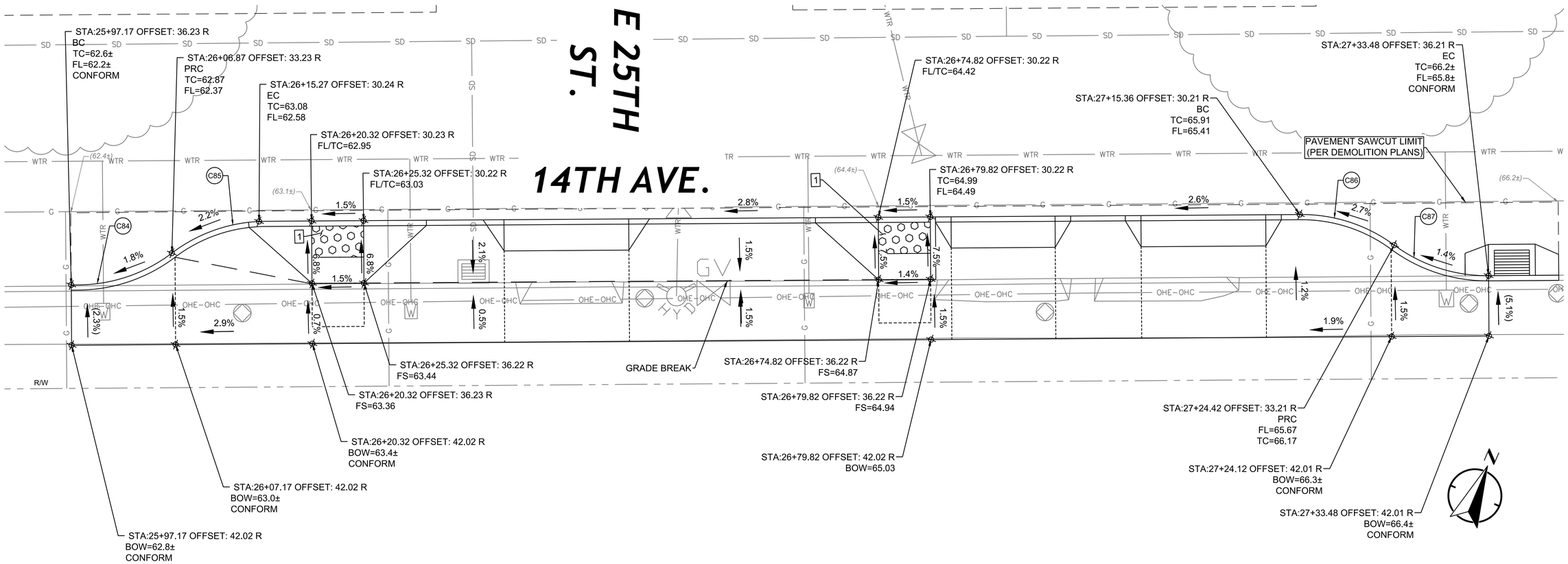
PROJECT NO. 1004251

SCALE: 1"=5'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO. G-17
57 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Grading.dwg
PLOT DATE: 02-12-24
PLOTTED BY: MaiseMacNaughton

14TH AVENUE STREETSCAPE



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5 0 5 10
SCALE PLAN SCALE FEET

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1 INSTALL CASE A CURB RAMP PER CALTRANS STD. PLAN A88A.

Curve Table

Curve #	Length	Radius	Delta
C84	9.70	15.0	37.05
C85	9.70	15.0	37.05
C86	9.71	15.0	37.09
C87	9.71	15.0	37.09

alta
304 12TH ST, SUITE 2A
OAKLAND, CA 94607
p:510.540.5008

CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER STEVEN B. FRIESON No. C-42110 CIVIL STATE OF CALIFORNIA

CITY OF OAKLAND
DEPARTMENT OF TRANSPORTATION
250 FRANK H. OGAWA PLAZA, SUITE 4314
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(510) 238-3437
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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

GRADING PLANS

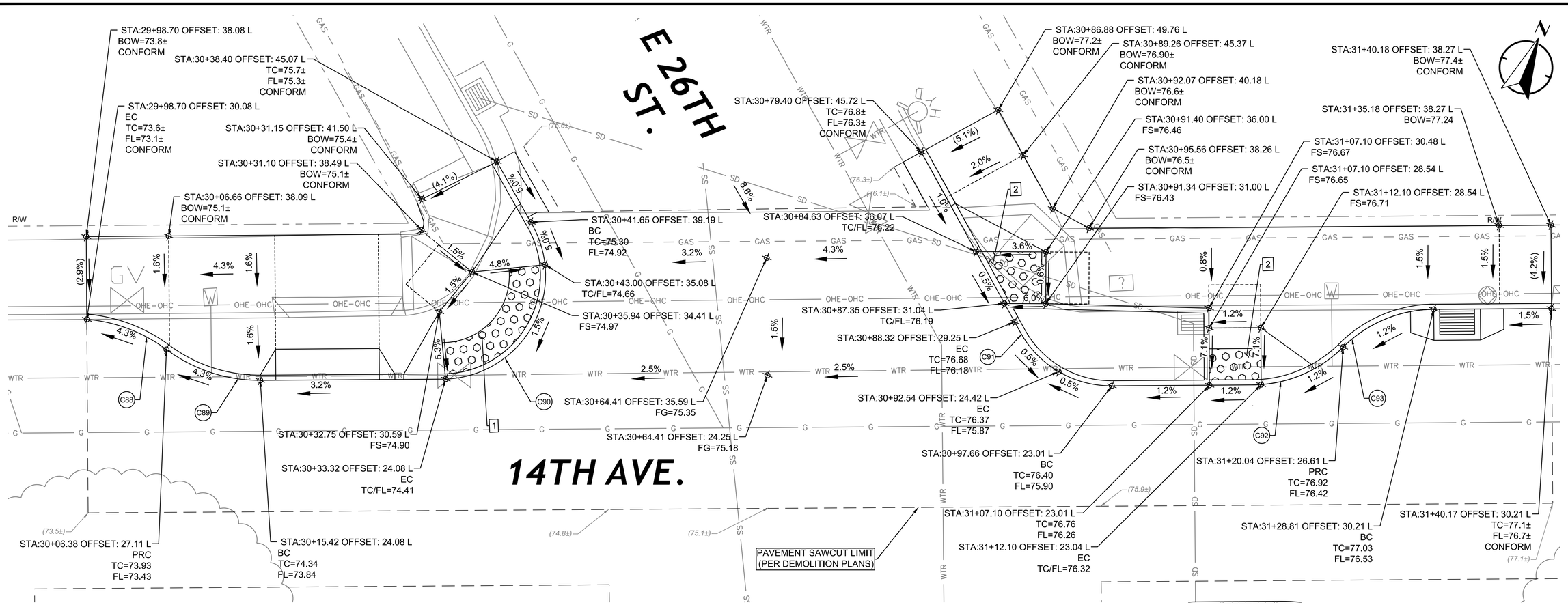
PROJECT NO.
1004251

SCALE: 1"=5'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO.
G-18
58 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Grading.dwg
PLOT DATE: 02-12-24
PLOTTED BY: MaiseMacNaughton

14TH AVENUE STREETSCAPE



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5 0 5 10
SCALE PLAN SCALE FEET

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1 INSTALL CASE A CURB RAMP PER CALTRANS STD. PLAN A88A.

2 INSTALL CASE G CURB RAMP PER CALTRANS STD. PLAN A88A.

Curve Table

Curve #	Length	Radius	Delta
C88	8.33	15.0	31.83
C89	9.71	15.0	37.08
C90	16.44	10.0	93.94
C91	10.74	10.0	61.56
C92	9.73	12.5	44.58
C93	9.72	12.5	44.56

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

GRADING PLANS

PROJECT NO. 1004251

SCALE: 1"=5'
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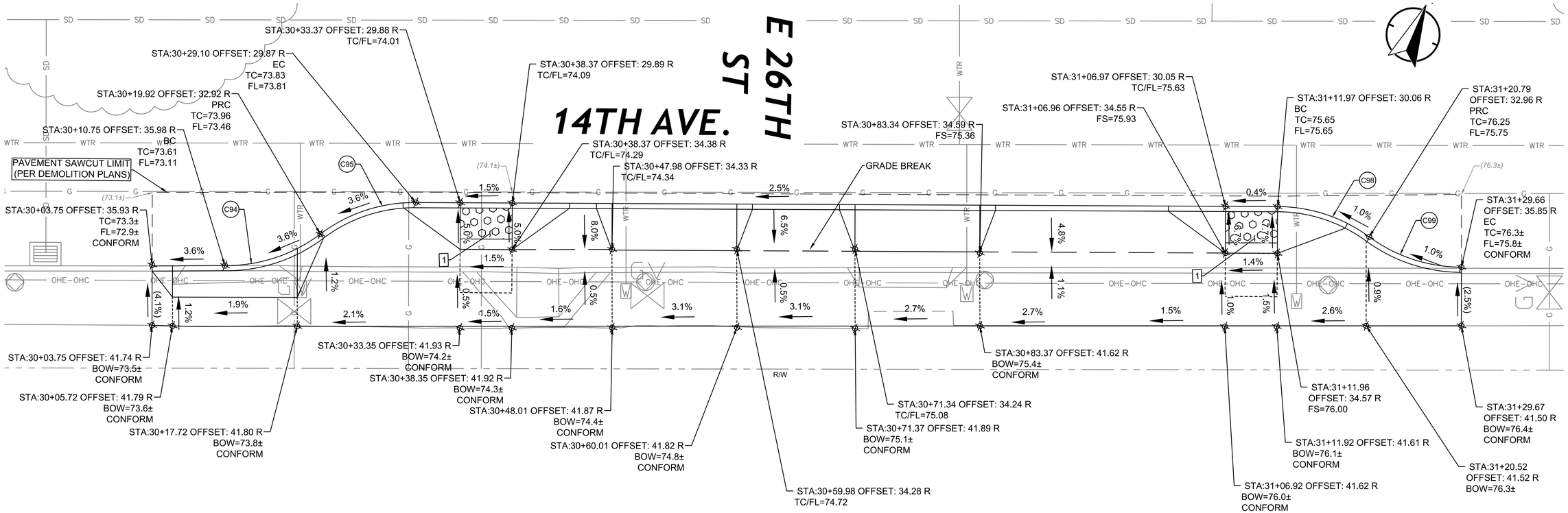
VERT:
DATE: 10/31/2023

SHEET NO. G-19
59 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Grading.dwg
PLOT DATE: 02-12-24
PLOTTED BY: MaisieMacNaughton

14TH AVENUE STREETSCAPE



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1 INSTALL CASE A CURB RAMP PER CALTRANS STD. PLAN A88A.

Curve Table

Curve #	Length	Radius	Delta
C94	9.84	15.0	37.60
C95	9.84	15.0	37.60
C98	9.44	15.0	36.06
C99	9.49	15.0	36.24

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

GRADING PLANS

PROJECT NO.
1004251

SCALE: 1"=5'
HOR:
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SHEET NO.
G-20
60 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Grading.dwg
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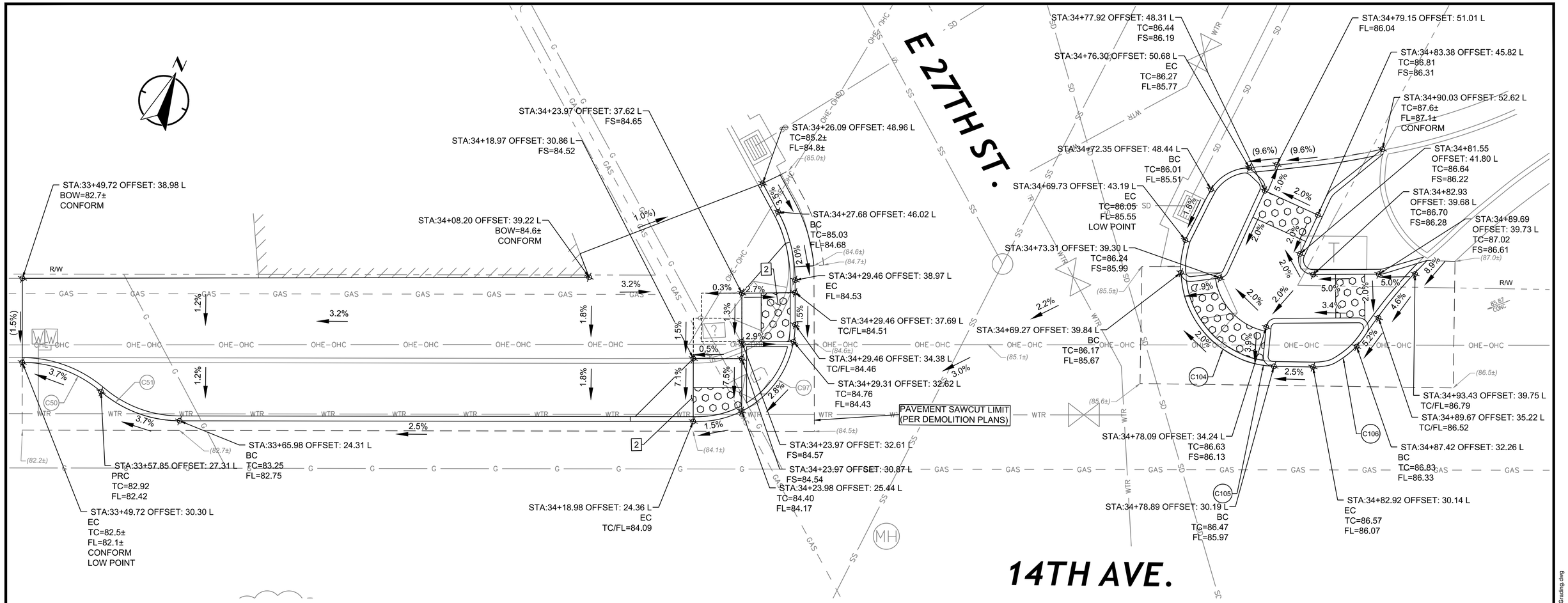
14TH AVENUE STREETSCAPE



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5 0 5 10
SCALE PLAN SCALE FEET

Curve Table

Curve #	Length	Radius	Delta
C50	8.85	12.5	40.55
C51	8.85	12.5	40.55
C97	15.72	10.0	90.04
C104	14.78	10.0	84.39
C105	14.78	10.0	84.39
C106	4.40	8.5	29.46

CONSTRUCTION NOTES:

CONSTRUCTION NOTES FOR THIS SHEET ONLY. CONSTRUCTION NOTES DO NOT NECESSARILY APPEAR ON EVERY SHEET.

2 INSTALL CASE G CURB RAMP PER CALTRANS STD. PLAN A88A.

alta
304 12TH ST, SUITE 2A
OAKLAND, CA 94607
p:510.540.5008

CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER STEVEN B. FRESON No. C-42110 CIVIL STATE OF CALIFORNIA

CITY OF OAKLAND
DEPARTMENT OF TRANSPORTATION
250 FRANK H. OGAWA PLAZA, SUITE 4314
OAKLAND, CA 94612
(510) 238-3437
FAX (510) 238-7227

14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

GRADING PLANS

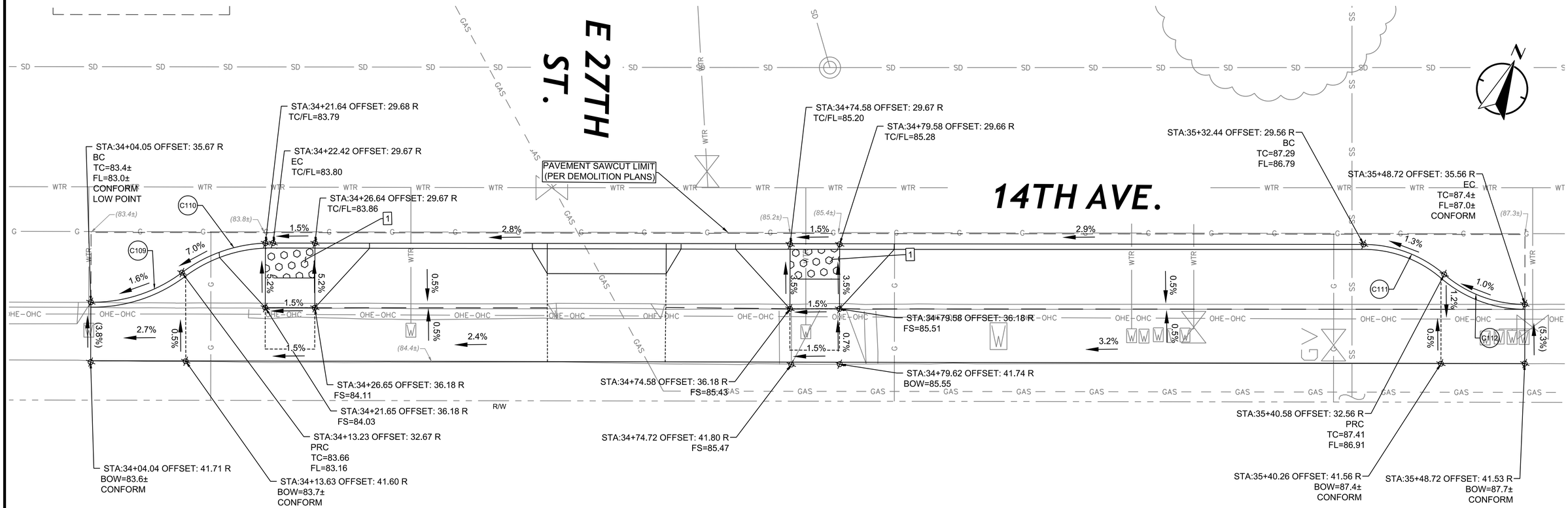
PROJECT NO.
1004251

SCALE: 1"=5'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO.
G-21
61 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Grading.dwg
PLOT DATE: 02-12-24
PLOTTED BY: Maisie MacNaughton

14TH AVENUE STREETSCAPE



GRADING NOTES (THIS SHEET ONLY):

1. CURB, GUTTER, AND SIDEWALK SHALL CONFORM TO MATCHING EXISTING CONDITIONS AT CONFORM POINTS.
2. CONTRACTOR TO CONFIRM ELEVATIONS PRIOR TO CONSTRUCTING IMPROVEMENTS.
3. FLOW LINE SLOPES ARE CONSTANT BETWEEN GRADE BREAKS, LOW POINTS, AND HIGH POINTS.
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5. NO TRENCHES OR HOLES SHALL BE LEFT OPEN OVERNIGHT; USE STEEL PLATING OR HOT MIX ASPHALT AS REQUIRED TO PROTECT TRENCHES OVERNIGHT.
6. ALL CONSTRUCTION STAKING FOR PROPOSED WORK SHALL BE DONE BY CONTRACTOR.
7. CURB RAMPS TO BE OF TYPE CASE A, PER CALTRANS STD PLAN A88A, UNLESS OTHERWISE NOTED.
8. CONFORM SIDEWALK TO EX. PAVED PATHWAYS OF ADJACENT RESIDENTIAL PROPERTIES. THERE SHALL BE NO LIP OR STEP AT CONFORM POINTS.

GENERAL NOTES:

1. SEE SHEET 2 FOR FULL LIST OF GENERAL NOTES, ABBREVIATIONS, AND LEGENDS.
2. FOR DEMOLITION, LAYOUT, UTILITY, AND SIGNAL PLAN SHEET NUMBERS AT THIS LOCATION, SEE SHEET 1, KEY MAP.
3. EXISTING SIGNS AND STRIPING NOT IDENTIFIED IN THESE PLANS SHALL BE PROTECTED IN PLACE.

5 0 5 10
SCALE PLAN SCALE FEET

CONSTRUCTION NOTES:

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1 INSTALL CASE A CURB RAMP PER CALTRANS STD. PLAN A88A.

Curve Table

Curve #	Length	Radius	Delta
C109	9.84	15.0	37.59
C110	9.84	15.0	37.59
C111	8.86	12.5	40.60
C112	8.86	12.5	40.60

alta
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DRAWN BY	JP

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OAKLAND, CA 94612
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FAX (510) 238-7227

14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

GRADING PLANS

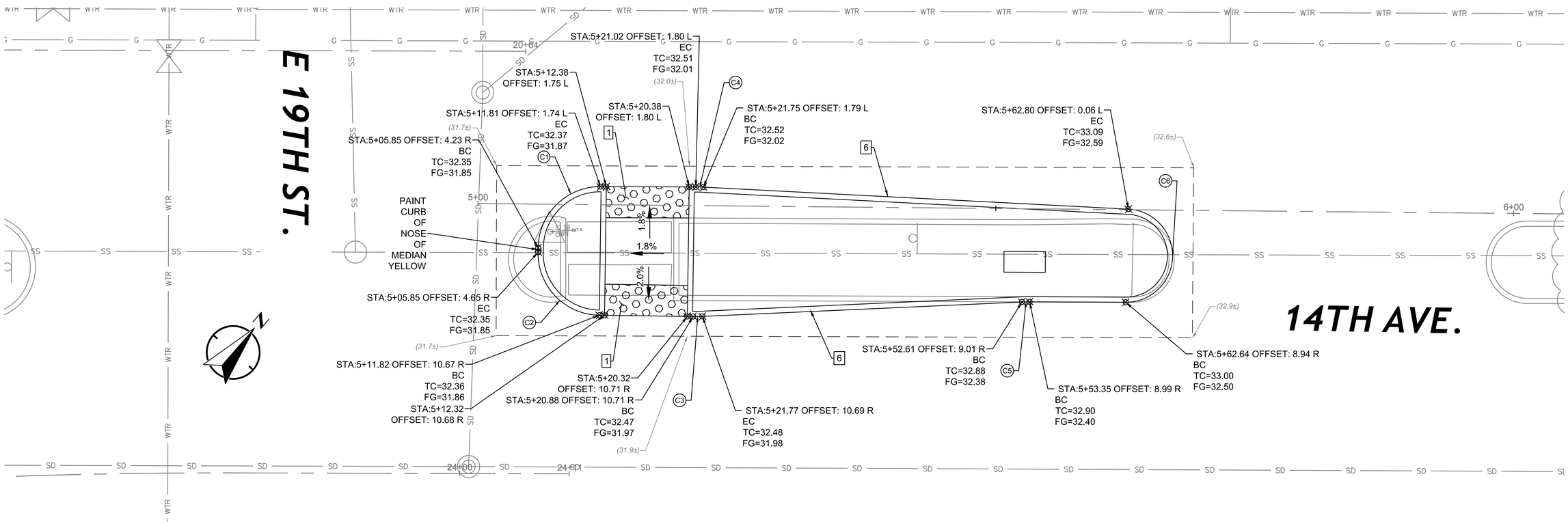
PROJECT NO. 1004251

SCALE: 1"=5'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO. G-22
62 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Grading.dwg
PLOT DATE: 02-12-24
PLOTTED BY: MaiseMacNaughton

14TH AVENUE STREETSCAPE



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5 0 5 10
SCALE PLAN SCALE FEET

Curve Table

Curve #	Length	Radius	Delta
C1	9.36	6.00	89.36
C2	9.38	6.00	89.55
C3	0.89	15.00	3.39
C4	0.73	15.00	2.79
C5	0.74	15.00	2.84
C6	13.92	4.50	177.29

CONSTRUCTION NOTES:

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1 INSTALL DETECTABLE WARNING SURFACE PER CALTRANS STD. PLAN A88A.

6 CONSTRUCT 6" CONCRETE RETAINING CURB PER DETAIL 2, SHEET D-05.

alta
304 12TH ST, SUITE 2A
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DESIGNED BY	JW
DRAWN BY	JP

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DEPARTMENT OF TRANSPORTATION
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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

MEDIAN DETAILS

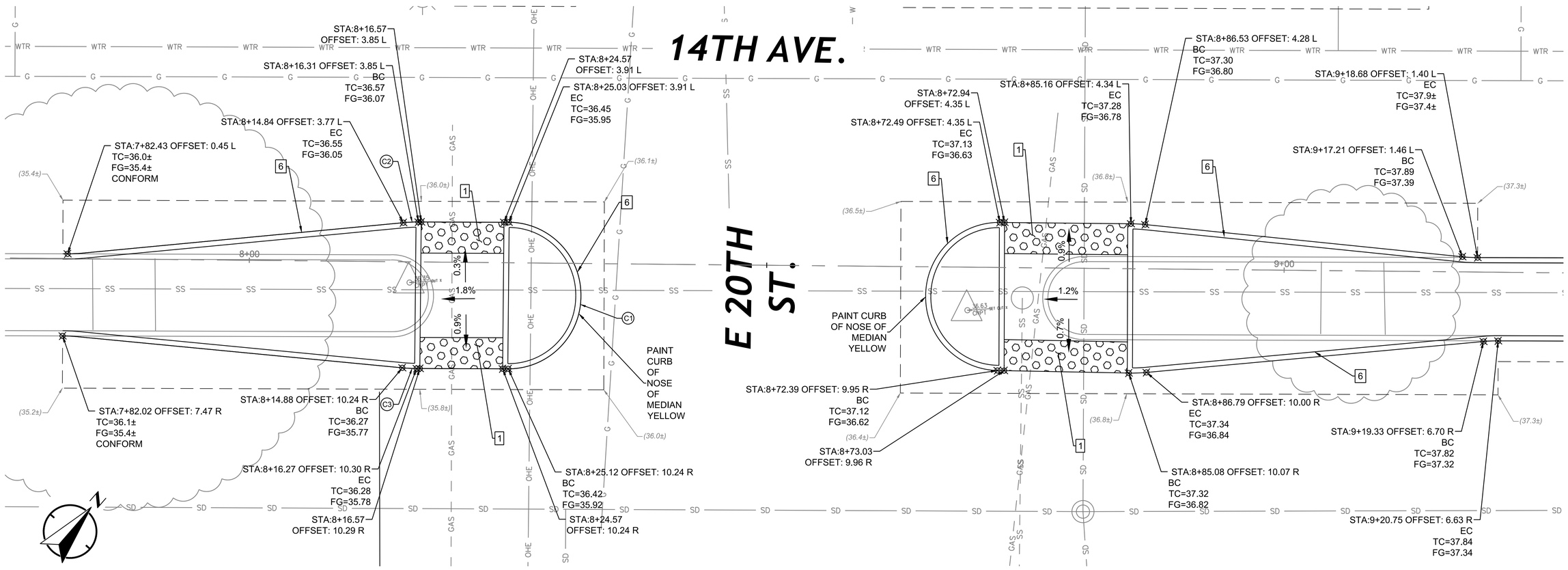
PROJECT NO.
1004251

SCALE: 1"=5'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO.
CD-01
63 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-MedianCD.dwg
PLOT DATE: 02-12-24
PLOTTED BY: Maisie/MacNaughton

14TH AVENUE STREETSCAPE



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Curve Table			
Curve #	Length	Radius	Delta
C1	10.95	7.00	89.64
C2	1.46	15.00	5.59
C3	1.39	15.00	5.29
C8	30.15	181.00	9.54

CONSTRUCTION NOTES:

CONSTRUCTION NOTES FOR THIS SHEET ONLY.
CONSTRUCTION NOTES DO NOT NECESSARILY APPEAR ON EVERY SHEET.

1 INSTALL DETECTABLE WARNING SURFACE PER CALTRANS STD. PLAN A88A.

6 CONSTRUCT 6" CONCRETE RETAINING CURB PER DETAIL 2, SHEET D-05.

5 0 5 10
SCALE PLAN SCALE FEET

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304 12TH ST, SUITE 2A
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p:510.540.5008

CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

MEDIAN DETAILS

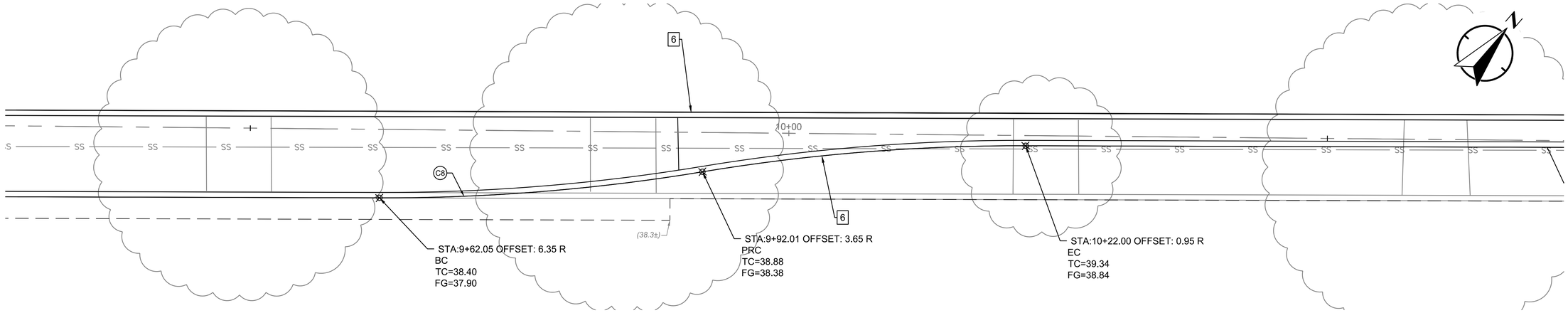
PROJECT NO.
1004251

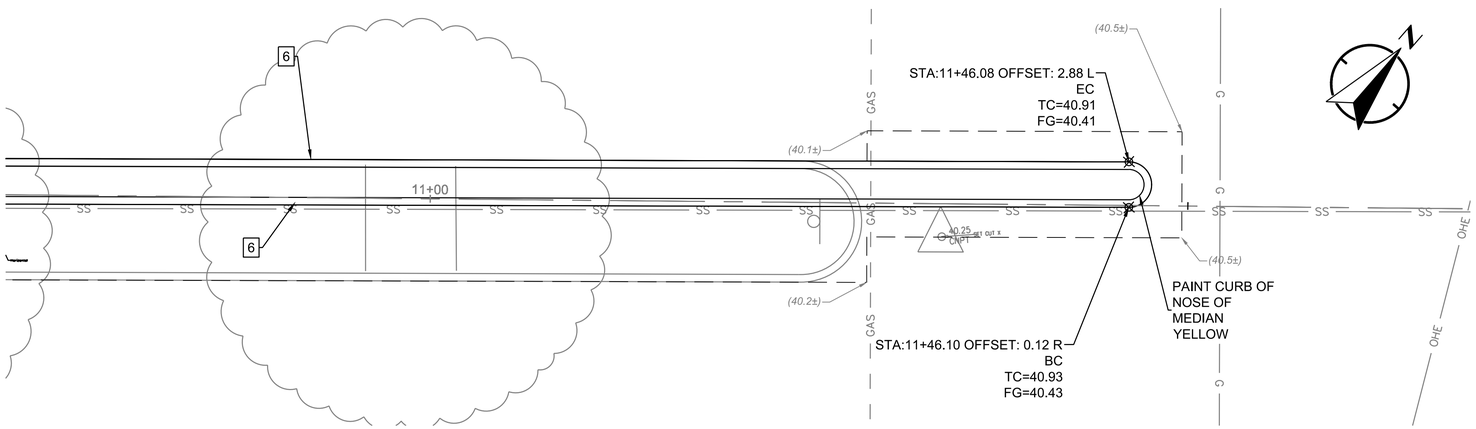
SCALE: 1"=5'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO.
CD-02
64 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-MedianCD.dwg
PLOT DATE: 02-12-24
PLOTTED BY: Maselle/Mac/Naughton

14TH AVENUE STREETSCAPE





Curve Table			
Curve #	Length	Radius	Delta

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5 0 5 10
SCALE PLAN SCALE FEET

CONSTRUCTION NOTES:

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6 CONSTRUCT 6" CONCRETE RETAINING CURB PER DETAIL 2, SHEET D-05.

alta
304 12TH ST, SUITE 2A
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p:510.540.5008

CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER STEVEN B. FRESON No. C-42110 CIVIL STATE OF CALIFORNIA

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

MEDIAN DETAILS

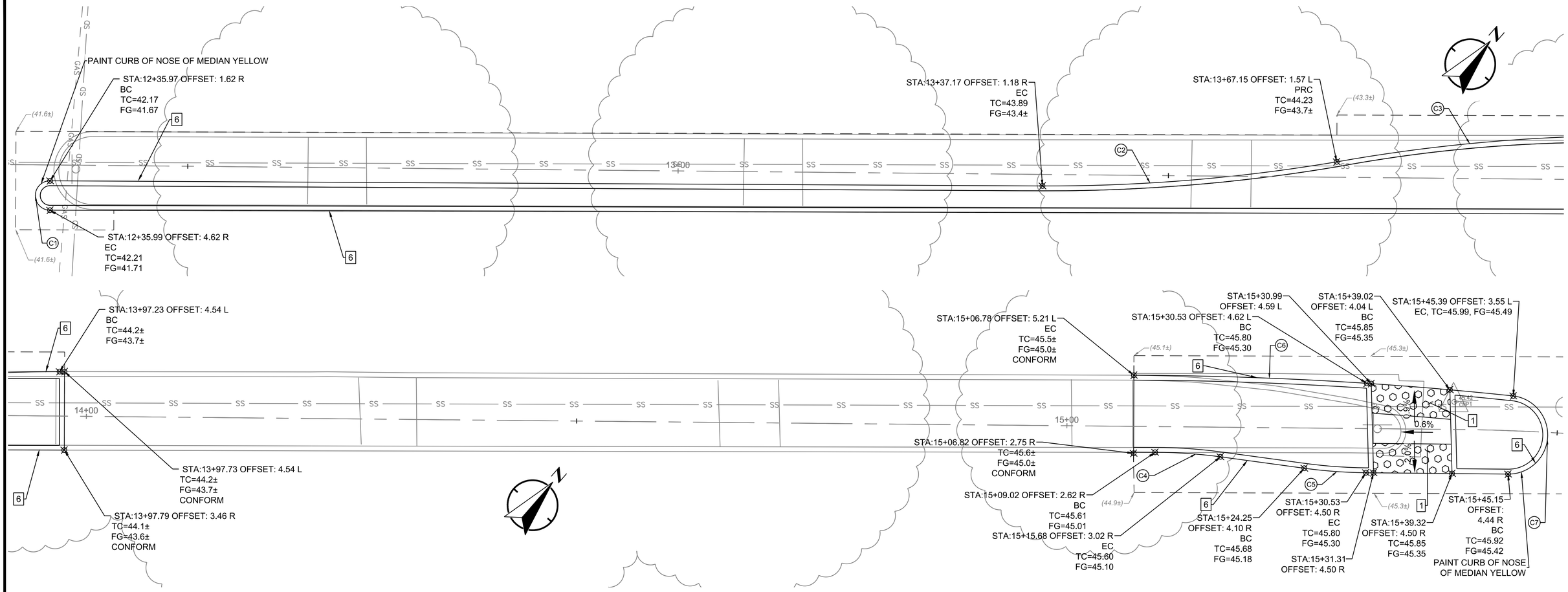
PROJECT NO.
1004251

SCALE: 1"=5'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO.
CD-03
65 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-MedianCD.dwg
PLOT DATE: 02-12-24
PLOTTED BY: Maisie MacNaughton

14TH AVENUE STREETSCAPE



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5 0 5 10
SCALE PLAN SCALE FEET

Curve Table

Curve #	Length	Radius	Delta
C1	2.36	1.50	90.00
C2	30.16	178.00	9.71
C3	30.73	174.00	10.12
C4	6.69	50.00	7.66
C5	6.30	50.00	7.22
C6	38.77	379.00	5.86
C7	12.11	4.00	173.49

CONSTRUCTION NOTES:

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1 INSTALL DETECTABLE WARNING SURFACE PER CALTRANS STD. PLAN A88A.

6 CONSTRUCT 6" CONCRETE RETAINING CURB PER DETAIL 2, SHEET D-05.

alta
304 12TH ST, SUITE 2A
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CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER STEVEN B. FRIESON No. C-42110 CIVIL STATE OF CALIFORNIA

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

MEDIAN DETAILS

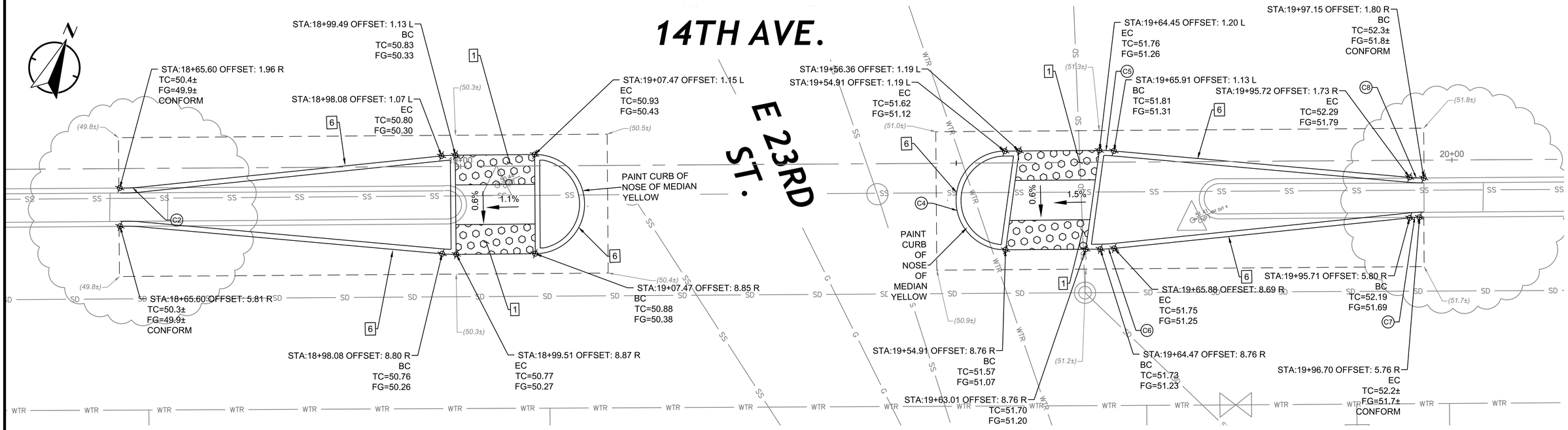
PROJECT NO.
1004251

SCALE: 1"=5'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO.
CD-04
66 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-MedianCD.dwg
PLOT DATE: 02-12-24
PLOTTED BY: MaiseMacNaughton

14TH AVENUE STREETSCAPE



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Curve Table

Curve #	Length	Radius	Delta
C2	1.42	15.00	5.43
C4	7.77	4.95	89.98
C5	1.47	15.00	5.60
C6	1.41	15.00	5.40
C7	1.43	15.00	5.48
C8	1.44	15.00	5.48

CONSTRUCTION NOTES:

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1 INSTALL DETECTABLE WARNING SURFACE PER CALTRANS STD. PLAN A88A.

6 CONSTRUCT 6" CONCRETE RETAINING CURB PER DETAIL 2, SHEET D-05.

5 0 5 10
SCALE PLAN SCALE FEET

alta
304 12TH ST, SUITE 2A
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p:510.540.5008

CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

MEDIAN DETAILS

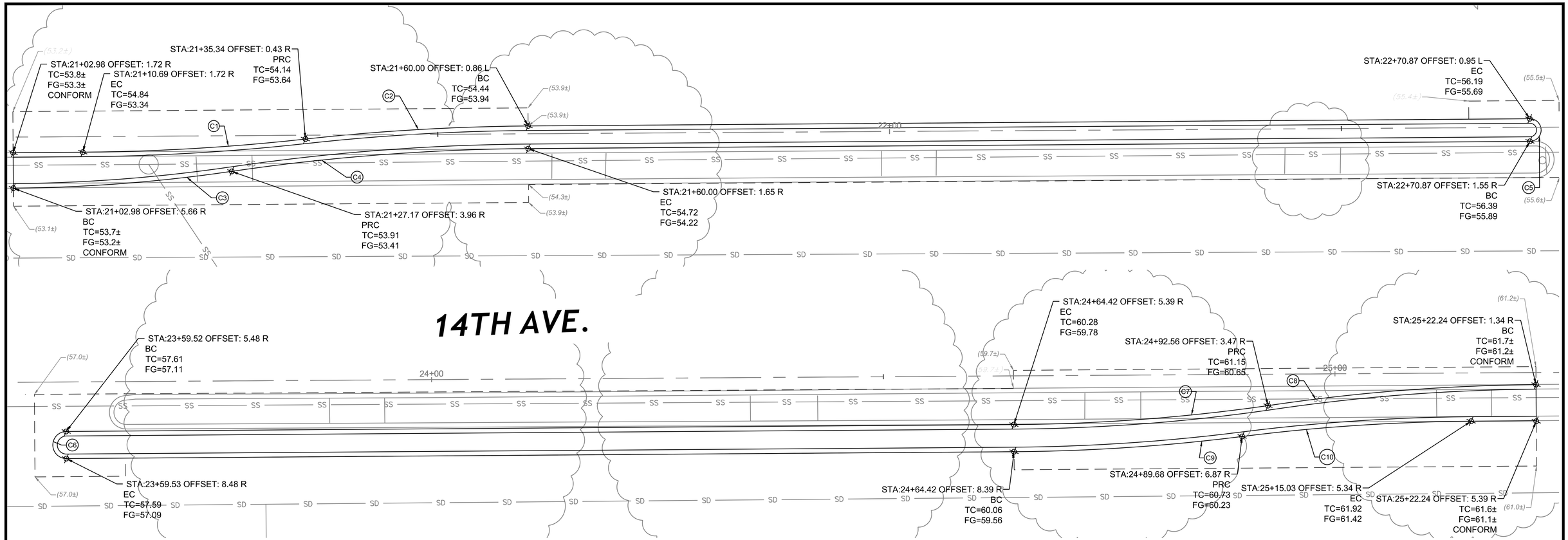
PROJECT NO. 1004251

SCALE: 1"=5'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO. CD-05
67 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\20-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-MedianCD.dwg
PLOT DATE: 02-12-24
PLOTTED BY: MaiseMacNaughton

14TH AVENUE STREETSCAPE



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5 0 5 10
SCALE PLAN SCALE FEET

Curve Table

Curve #	Length	Radius	Delta
C1	24.70	240.00	5.90
C2	24.70	240.00	5.90
C3	24.27	175.00	7.95
C4	32.94	237.50	7.95
C5	1.99	1.25	91.37
C6	2.36	1.50	90.00
C7	28.23	210.00	7.70
C8	29.78	210.58	8.10
C9	25.32	213.00	6.81
C10	25.42	213.00	6.84

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304 12TH ST, SUITE 2A
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CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER STEVEN B. FRIESON No. C-42110 CIVIL STATE OF CALIFORNIA

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

MEDIAN DETAILS

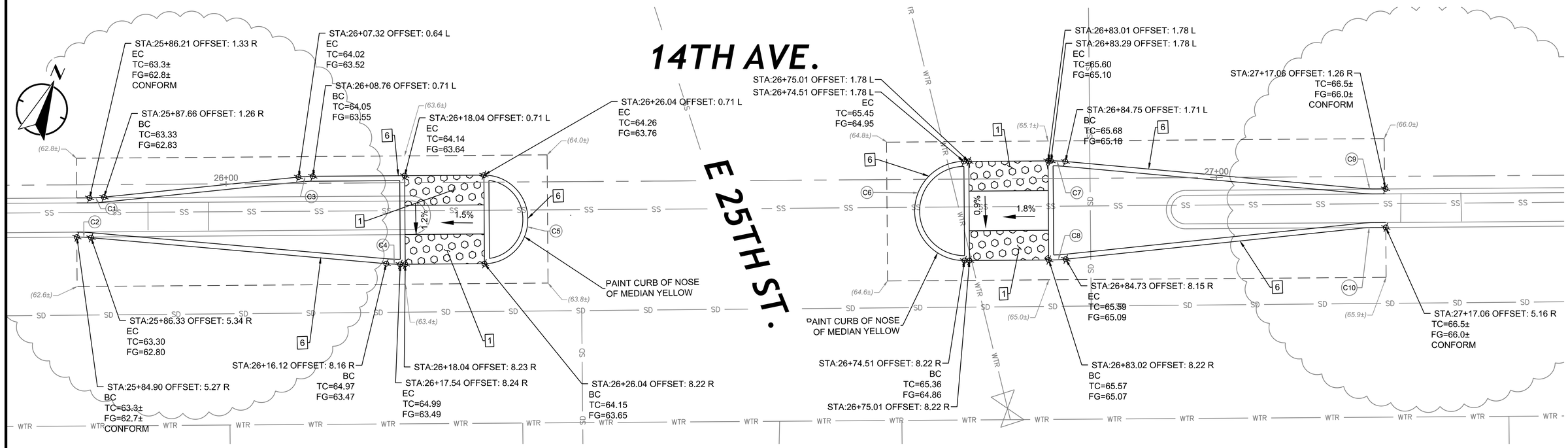
PROJECT NO.
1004251

SCALE: 1"=5'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO.
CD-06
68 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\20-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-MedianCD.dwg
PLOT DATE: 02-12-24
PLOTTED BY: MaiseMacNaughton

14TH AVENUE STREETSCAPE



GRADING NOTES (THIS SHEET ONLY):

1. CURB, GUTTER, AND SIDEWALK SHALL CONFORM TO MATCHING EXISTING CONDITIONS AT CONFORM POINTS.
2. CONTRACTOR TO CONFIRM ELEVATIONS PRIOR TO CONSTRUCTING IMPROVEMENTS.
3. FLOW LINE SLOPES ARE CONSTANT BETWEEN GRADE BREAKS, LOW POINTS, AND HIGH POINTS.
4. CONTRACTOR SHALL RESTORE ALL DAMAGED, REMOVED, OR OTHERWISE DISTURBED WALLS, FENCES, SERVICES, UTILITIES, IMPROVEMENTS, OR FEATURES OF WHATEVER NATURE, DUE TO CONTRACTOR'S WORK.
5. NO TRENCHES OR HOLES SHALL BE LEFT OPEN OVERNIGHT; USE STEEL PLATING OR HOT MIX ASPHALT AS REQUIRED TO PROTECT TRENCHES OVERNIGHT.
6. ALL CONSTRUCTION STAKING FOR PROPOSED WORK SHALL BE DONE BY CONTRACTOR.
7. CONFORM SIDEWALK TO EX. PAVED PATHWAYS OF ADJACENT RESIDENTIAL PROPERTIES. THERE SHALL BE NO LIP OR STEP AT CONFORM POINTS.

GENERAL NOTES:

1. SEE SHEET 2 FOR FULL LIST OF GENERAL NOTES, ABBREVIATIONS, AND LEGENDS.
2. FOR DEMOLITION, LAYOUT, UTILITY, AND SIGNAL PLAN SHEET NUMBERS AT THIS LOCATION, SEE SHEET 1, KEY MAP.
3. EXISTING SIGNS AND STRIPING NOT IDENTIFIED IN THESE PLANS SHALL BE PROTECTED IN PLACE.

5 0 5 10
SCALE PLAN SCALE FEET

Curve Table

Curve #	Length	Radius	Delta
C1	1.45	15.00	5.55
C2	1.44	15.00	5.50
C3	1.44	15.00	5.51
C4	1.42	15.00	5.41
C5	6.91	4.40	90.00
C6	7.86	5.00	90.02
C7	1.46	15.00	5.56
C8	1.46	15.00	5.59
C9	1.52	15.00	5.81
C10	1.46	15.00	5.59

CONSTRUCTION NOTES:

CONSTRUCTION NOTES FOR THIS SHEET ONLY.
CONSTRUCTION NOTES DO NOT NECESSARILY APPEAR ON EVERY SHEET.

1 INSTALL DETECTABLE WARNING SURFACE PER CALTRANS STD. PLAN A88A.

6 CONSTRUCT 6" CONCRETE RETAINING CURB PER DETAIL 2, SHEET D-05.

alta
304 12TH ST, SUITE 2A
OAKLAND, CA 94607
p:510.540.5008

CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER STEVEN B. FRESON No. C-42110 CIVIL STATE OF CALIFORNIA

CITY OF OAKLAND
DEPARTMENT OF TRANSPORTATION
250 FRANK H. OGAWA PLAZA, SUITE 4314
OAKLAND, CA 94612
(510) 238-3437
FAX (510) 238-7227

14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

MEDIAN DETAILS

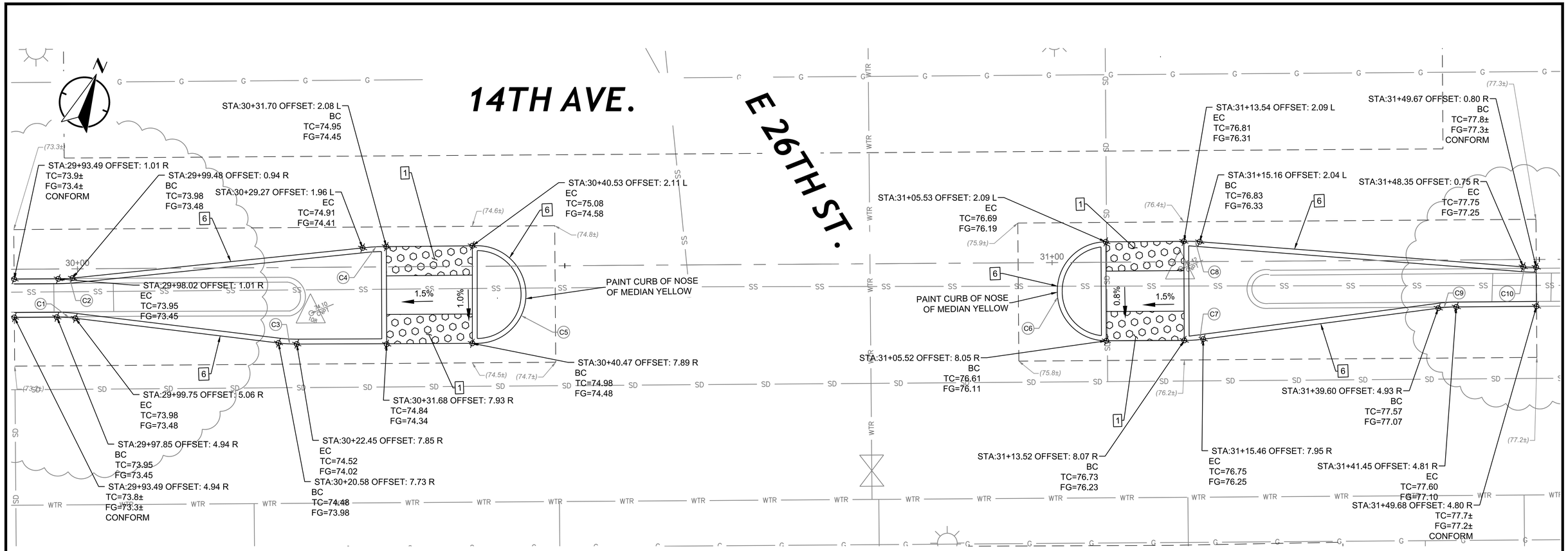
PROJECT NO.
1004251

SCALE: 1"=5'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO.
CD-07
69 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-MedianCD.dwg
PLOT DATE: 02-12-24
PLOTTED BY: MaisieMacNaughton

14TH AVENUE STREETSCAPE



GRADING NOTES (THIS SHEET ONLY):

1. CURB, GUTTER, AND SIDEWALK SHALL CONFORM TO MATCHING EXISTING CONDITIONS AT CONFORM POINTS.
2. CONTRACTOR TO CONFIRM ELEVATIONS PRIOR TO CONSTRUCTING IMPROVEMENTS.
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GENERAL NOTES:

1. SEE SHEET 2 FOR FULL LIST OF GENERAL NOTES, ABBREVIATIONS, AND LEGENDS.
2. FOR DEMOLITION, LAYOUT, UTILITY, AND SIGNAL PLAN SHEET NUMBERS AT THIS LOCATION, SEE SHEET 1, KEY MAP.
3. EXISTING SIGNS AND STRIPING NOT IDENTIFIED IN THESE PLANS SHALL BE PROTECTED IN PLACE.

5 0 5 10
SCALE PLAN SCALE FEET

Curve Table			
Curve #	Length	Radius	Delta
C1	1.90	15.00	7.27
C2	1.46	15.00	5.59
C3	1.88	15.00	7.17
C4	1.42	15.00	5.42
C5	15.71	5.00	180.00
C6	7.85	5.00	89.99
C7	1.90	15.00	7.27
C8	1.26	15.00	4.80
C9	1.85	15.00	7.08
C10	1.33	15.00	5.08

CONSTRUCTION NOTES:

CONSTRUCTION NOTES FOR THIS SHEET ONLY.
CONSTRUCTION NOTES DO NOT NECESSARILY APPEAR ON EVERY SHEET.

1 INSTALL DETECTABLE WARNING SURFACE PER CALTRANS STD. PLAN A88A.

6 CONSTRUCT 6" CONCRETE RETAINING CURB PER DETAIL 2, SHEET D-05.

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304 12TH ST, SUITE 2A
OAKLAND, CA 94607
p:510.540.5008

CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER STEVEN B. FRIESON No. C-42110 CIVIL STATE OF CALIFORNIA

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

MEDIAN DETAILS

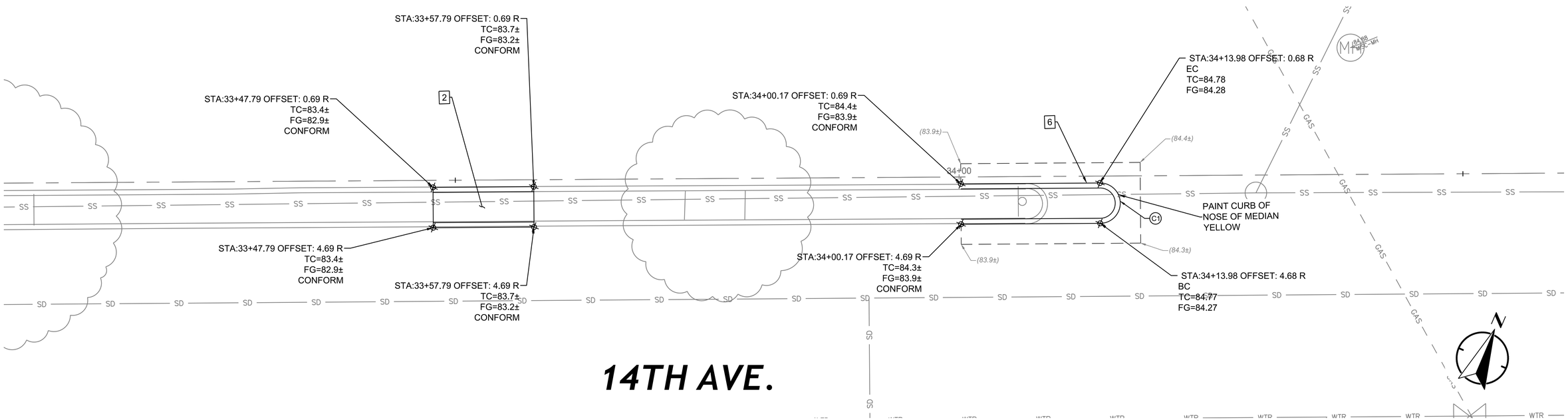
PROJECT NO.
1004251

SCALE: 1"=5'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO.
CD-08
70 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-MedianCD.dwg
PLOT DATE: 02-12-24
PLOTTED BY: MaiseMacNaughton

14TH AVENUE STREETSCAPE



14TH AVE.

GRADING NOTES (THIS SHEET ONLY):

1. CURB, GUTTER, AND SIDEWALK SHALL CONFORM TO MATCHING EXISTING CONDITIONS AT CONFORM POINTS.
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2. FOR DEMOLITION, LAYOUT, UTILITY, AND SIGNAL PLAN SHEET NUMBERS AT THIS LOCATION, SEE SHEET 1, KEY MAP.
3. EXISTING SIGNS AND STRIPING NOT IDENTIFIED IN THESE PLANS SHALL BE PROTECTED IN PLACE.

5 0 5 10
SCALE PLAN SCALE FEET

Curve Table			
Curve #	Length	Radius	Delta
C1	3.14	2.00	90.00

CONSTRUCTION NOTES:

CONSTRUCTION NOTES FOR THIS SHEET ONLY.
CONSTRUCTION NOTES DO NOT NECESSARILY APPEAR ON EVERY SHEET.

2 REPLACE IN PLACE.

6 CONSTRUCT 6" CONCRETE RETAINING CURB PER DETAIL 2, SHEET D-05.

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OAKLAND, CA 94607
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CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER STEVEN B. FRITSON No. C-42110 CIVIL STATE OF CALIFORNIA

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(510) 238-3437
FAX (510) 238-7227

14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

MEDIAN DETAILS

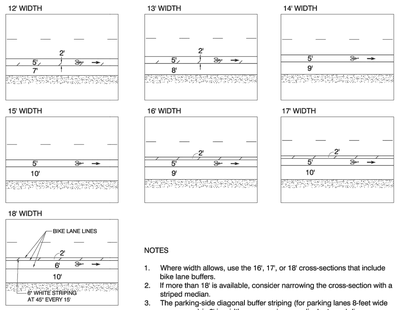
PROJECT NO.
1004251

SCALE: 1"=5'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO.
CD-09
71 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Median\CD.dwg
PLOT DATE: 02-12-24
PLOTTED BY: MaiseMacNaughton

14TH AVENUE STREETSCAPE



NOTES

1. Where width allows, use the 16', 17', or 18' cross-sections that include bike lane buffers.
2. If more than 18' is available, consider narrowing the cross-section with a striped median.
3. The parking-side diagonal buffer striping (for parking lanes 8-feet wide or narrower) is 2' in width, measured perpendicular to curb line.
4. On residential streets, the diagonal buffer striping spacing may be increased from 15' to 30'.

GRAPHIC SCALE (IN FEET) 10' 20' 40' 80'

CITY OF OAKLAND
DEPARTMENT OF TRANSPORTATION | SAFE STREETS DIVISION
BICYCLE & PEDESTRIAN PROGRAM
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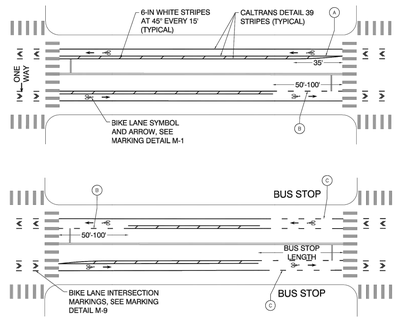
(510) 238-3437 * FAX (510) 238-7227
EMAIL: bikeped@oaklandnet.gov

BIKE LANE, BUFFER, AND PARKING LANE WIDTHS (NON-METERED PARKING)

CROSS-SECTION DETAILS
SCALE: 1" = 40' | DWG. NO. C-1
DATE: AUG 2020



NOTES

(A) At locations where motorists will make right turns from side-streets, taper left buffer stripe over a 35' length.

(B) On approaches where motorists will make right turns onto side-streets, drop left side bike lane buffer and use Caltrans detail 39A stripe to define left side of bike lane for 50' (typical) at minor intersections and in downtown, otherwise 100' (typical).

(C) At bus stops, drop the buffer and use Caltrans detail 39A stripes to define both sides of the bike lane for the length of the bus stop.

See Details C-1 and C-2 for cross-section dimensions.

GRAPHIC SCALE (IN FEET) 10' 20' 40' 80'

CITY OF OAKLAND
DEPARTMENT OF TRANSPORTATION | SAFE STREETS DIVISION
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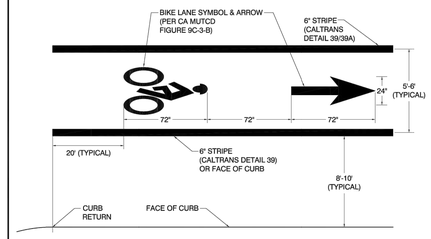
EMAIL: bikeped@oaklandnet.gov

BUFFERED BIKE LANES (PLAN VIEW)

CROSS-SECTION DETAILS
SCALE: 1" = 40' | DWG. NO. C-5
DATE: AUG 2020



NOTES

1. Place a minimum of two bike lane symbol and arrow markings on each block face, centered in bike lane.
2. Place first marking on block 20 ft from curb return or crosswalk, unless otherwise noted.
3. Place last marking on block such that tip of arrow is 20 ft before curb return, unless otherwise noted.
4. Place additional mid-block markings, as noted on plans, such that spacing between symbols is no more than 200 ft, as measured from the base of one symbol to the next.
5. Adjust marking placement to leave at least 10 ft (parallel to the direction of travel) from advanced yield lines, limit lines, and other markings, unless otherwise noted.

NOT TO SCALE

CITY OF OAKLAND
DEPARTMENT OF TRANSPORTATION | SAFE STREETS DIVISION
BICYCLE & PEDESTRIAN PROGRAM
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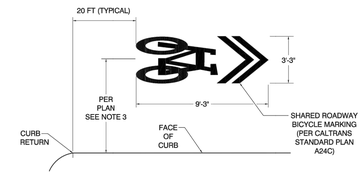
(510) 238-3437 * FAX (510) 238-7227
EMAIL: bikeped@oaklandnet.gov

BIKE LANE SYMBOL, ARROW, AND STRIPING

MARKING DETAILS
SCALE: NTS | DWG. NO. M-1
DATE: AUG 2020



NOTES

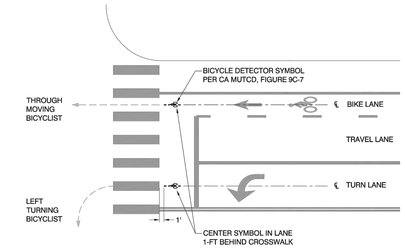
1. Place a minimum of two sharrow markings on each block face.
2. Sharrow markings should typically be centered in the shared travel lane, but not less than 11' from face of curb if on-street parking is present.
3. Place first marking on block 20 ft from curb return or crosswalk, unless otherwise noted.
4. Place last marking on block such that tip of marking is 20 ft before curb return, unless otherwise noted.
5. Place additional mid-block markings, as noted on plans, such that spacing between markings is no more than 100 ft, as measured from the base of one marking to the next.
2. Adjust marking placement to leave at least 10 ft (parallel to the direction of travel) from word legends, lane assignment arrows, other markings, and speed humps.

NOT TO SCALE

CITY OF OAKLAND
DEPARTMENT OF TRANSPORTATION | SAFE STREETS DIVISION
BICYCLE & PEDESTRIAN PROGRAM
250 FRANK H. OGAWA PLAZA, SUITE 4314 * OAKLAND CA, 94612
(510) 238-3437 * FAX (510) 238-7227
EMAIL: bikeped@oaklandnet.gov

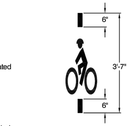
SHARED ROADWAY BICYCLE MARKING (SHARROW)

MARKING DETAILS
SCALE: NTS | DWG. NO. M-2
DATE: AUG 2020



NOTES

1. The bicycle detector pavement marking (symbol) shall be used at all actuated traffic signal approaches that are capable of detecting bicycles.
2. A symbol shall be installed in the right-most lane serving the bicyclist's destination, including left turn lanes, through lanes, and bike lanes.
3. Center the symbol in the lane (aligned with lane assignment arrow).
4. The leading edge of the symbol shall be installed one foot behind the crosswalk (or limit line, if there is no crosswalk).
5. On Approaches with marked crosswalks and advanced limit lines, the symbol should be placed between the crosswalk and advanced limit line.



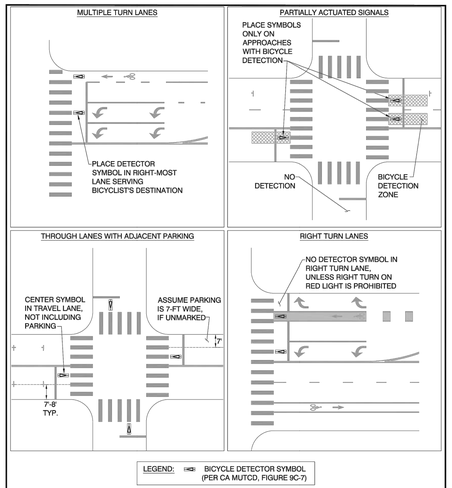
BICYCLE DETECTOR SYMBOL (CA MUTCD, FIGURE 9C-7)

NOT TO SCALE

CITY OF OAKLAND
DEPARTMENT OF TRANSPORTATION | SAFE STREETS DIVISION
BICYCLE & PEDESTRIAN PROGRAM
250 FRANK H. OGAWA PLAZA, SUITE 4314 * OAKLAND CA, 94612
(510) 238-3437 * FAX (510) 238-7227
EMAIL: bikeped@oaklandnet.gov

BICYCLE DETECTOR PAVEMENT MARKING

MARKING DETAILS
SCALE: NTS | DWG. NO. M-3
DATE: AUG 2020



CITY OF OAKLAND
DEPARTMENT OF TRANSPORTATION | SAFE STREETS DIVISION
BICYCLE & PEDESTRIAN PROGRAM
250 FRANK H. OGAWA PLAZA, SUITE 4314 * OAKLAND CA, 94612
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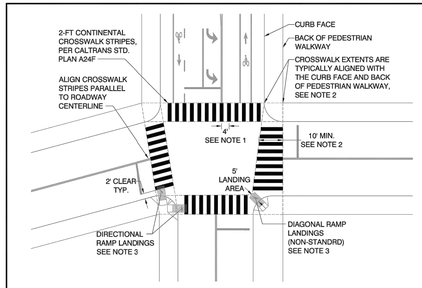
EMAIL: bikeped@oaklandnet.gov

BICYCLE DETECTOR PAVEMENT MARKING

SUPPLEMENTAL GUIDANCE
SCALE: NTS | DWG. NO. M-3A
DATE: AUG 2020



NOTES

1. Continental crosswalk stripe spacing is 4 ft, on-center, unless otherwise specified. Align first crosswalk stripe with centerline of roadway and continue pattern toward edge of roadway, maintaining 2 ft clear from face of curb (if present).
2. Crosswalks should encompass the pedestrian walkways they connect. Unless otherwise specified, align the front of the crosswalk with the curb face at the corresponding curb returns. Align the back of the crosswalk with the back of the pedestrian walkway but no less than 10 ft back from the front of the crosswalk.
3. Crosswalks must encompass the curb ramp landing areas they connect. Directional ramps are the preferred standard, but where a single diagonal ramp serves both crosswalks at a corner, the front of the crosswalks may need to be shifted toward the intersection to encompass the entire 5' landing area at the bottom of the curb ramp.
4. See Detail RM-4A for supplemental crosswalk layout guidance.
5. At controlled approaches, install advanced limit lines with continental crosswalks, per Marking Detail RM-5.

NOT TO SCALE

CITY OF OAKLAND
DEPARTMENT OF TRANSPORTATION | SAFE STREETS DIVISION
BICYCLE & PEDESTRIAN PROGRAM
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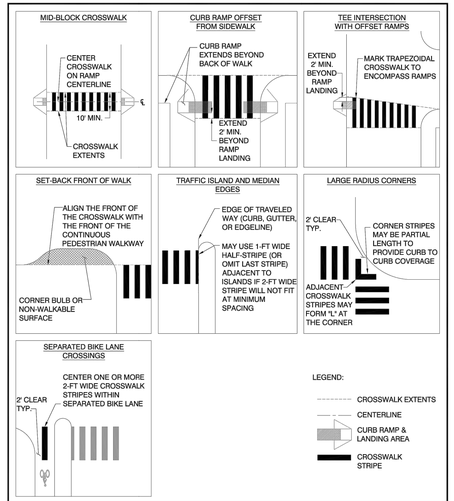
(510) 238-3437 * FAX (510) 238-7227
EMAIL: bikeped@oaklandnet.gov

CONTINENTAL CROSSWALK

ROADWAY MARKING DETAILS
SCALE: NTS | DWG. NO. RM-4
DATE: MAR 2021



CITY OF OAKLAND
DEPARTMENT OF TRANSPORTATION | SAFE STREETS DIVISION
BICYCLE & PEDESTRIAN PROGRAM
250 FRANK H. OGAWA PLAZA, SUITE 4314 * OAKLAND CA, 94612
(510) 238-3437 * FAX (510) 238-7227
EMAIL: bikeped@oaklandnet.gov

CONTINENTAL CROSSWALK

SUPPLEMENTAL GUIDANCE
SCALE: NOT TO SCALE | DWG. NO. RM-4A
DATE: MAR 2021

1 CITY OF OAKLAND RELEVANT STRIPING DETAILS

NTS

alta
304 12TH ST, SUITE 2A
OAKLAND, CA 94607
p:510.540.5008

CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER STEVEN B. FRIESON No. C-42110 CIVIL STATE OF CALIFORNIA

CITY OF OAKLAND
DEPARTMENT OF TRANSPORTATION
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OAKLAND, CA 94612
(510) 238-3437
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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

PROJECT DETAILS

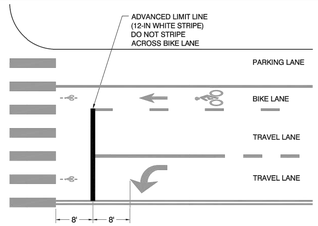
PROJECT NO. 1004251

SCALE: NTS
HOR:
VERT:
DATE: 10/31/2023

SHEET NO. D-01
72 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Details.dwg
PLOT DATE: 10-31-23
PLOTTED BY: emmakatz

14TH AVENUE STREETSCAPE



NOTES

1. Install an advanced limit line on all signalized or stop-controlled travel lanes approaching a continental crosswalk, 8 feet in advance of the nearest crosswalk stripe, unless otherwise specified.
2. In some locations, it may not be possible to place a limit line 8 feet in advance of the crosswalk due to existing lane assignment arrows or stop legends. In this case, place the limit line 2 feet downstream of the conflicting markings and no less than 4 feet in advance of the crosswalk. If it is not possible to achieve these minimum clearances, remove the conflicting markings and replace them according to the typical 8-foot spacing.

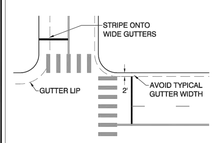
NOT TO SCALE

CITY OF OAKLAND
DEPARTMENT OF TRANSPORTATION | SAFE STREETS DIVISION
BICYCLE & PEDESTRIAN PROGRAMS
250 FRANK H. OGAWA PLAZA, SUITE 4314 * OAKLAND CA, 94612
EMAIL: bikeped@oaklandca.gov

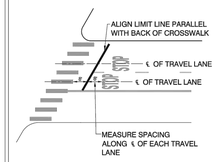
ADVANCED LIMIT LINE

ROADWAY MARKING DETAILS
SCALE: NTS
DATE: JAN 2021
DWG. NO. RM-5

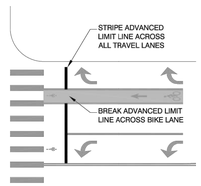
STREETS WITHOUT BIKE LANES



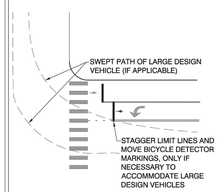
SKEWED INTERSECTIONS



BIKE LANES BETWEEN TRAVEL LANES



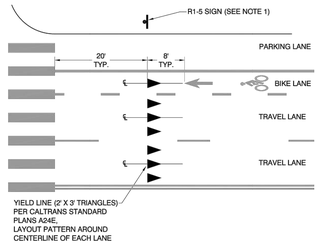
STAGGERED LIMIT LINES



CITY OF OAKLAND
DEPARTMENT OF TRANSPORTATION | SAFE STREETS DIVISION
BICYCLE & PEDESTRIAN PROGRAMS
250 FRANK H. OGAWA PLAZA, SUITE 4314 * OAKLAND CA, 94612
EMAIL: bikeped@oaklandca.gov

ADVANCED LIMIT LINE

SUPPLEMENTAL GUIDANCE
SCALE: NTS
DATE: JAN 2021
DWG. NO. RM-5A



NOTES

1. Install advanced yield lines and R1-5 "yield here to pedestrians" signs on all uncontrolled multi-lane approaches to marked crosswalks.
2. On uncontrolled multi-lane crosswalk approaches, the advanced yield line should be placed 20 to 50 feet in advance of the nearest crosswalk stripe (measured along the centerline of each travel lane). Any conflicting markings should be removed and replaced 8 feet in advance of the yield line.
3. Yield lines may also be installed on single-lane uncontrolled crosswalk approaches.
4. Parking should be prohibited between the crosswalk and the yield line.

MUTCD R1-5 SIGN

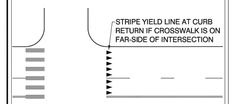
NOT TO SCALE

CITY OF OAKLAND
DEPARTMENT OF TRANSPORTATION | SAFE STREETS DIVISION
BICYCLE & PEDESTRIAN PROGRAMS
250 FRANK H. OGAWA PLAZA, SUITE 4314 * OAKLAND CA, 94612
EMAIL: bikeped@oaklandca.gov

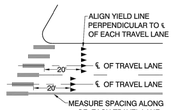
ADVANCED YIELD LINE AND SIGN FOR UNCONTROLLED CROSSWALKS

MARKING DETAILS
SCALE: NTS
DATE: AUG 2020
DWG. NO. M-6

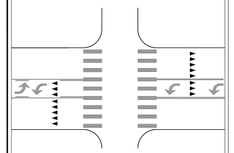
FAR-SIDE CROSSWALKS



SKEWED INTERSECTIONS



TURN LANES

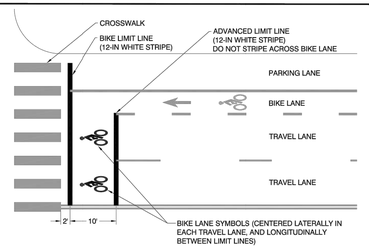


NOT USED

CITY OF OAKLAND
DEPARTMENT OF TRANSPORTATION | SAFE STREETS DIVISION
BICYCLE & PEDESTRIAN PROGRAMS
250 FRANK H. OGAWA PLAZA, SUITE 4314 * OAKLAND CA, 94612
EMAIL: bikeped@oaklandca.gov

ADVANCED YIELD LINE AND SIGN FOR UNCONTROLLED CROSSWALKS

SUPPLEMENTAL GUIDANCE
SCALE: NTS
DATE: AUG 2020
DWG. NO. M-6A



NOTES

1. Install bike boxes at signalized intersections where two or more bikeways intersect.
2. On approaches with passive detection for bicycles, provide passive detection within the bike box. Bike detector symbol pavement markings should be omitted from approach lanes encompassed by a bike box where a bike lane symbol is centered in the lane between the bike limit line and the advanced limit line.

NOT TO SCALE

CITY OF OAKLAND
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BICYCLE & PEDESTRIAN PROGRAMS
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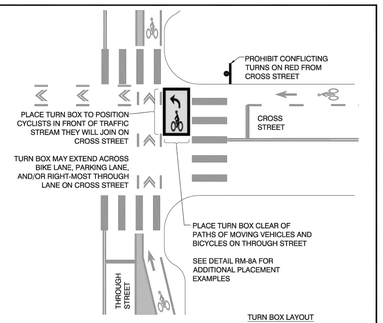
EMAIL: bikeped@oaklandca.gov

BIKE BOX

MARKING DETAILS
SCALE: NTS
DATE: AUG 2020
DWG. NO. M-7



NOTES

1. Install two-stage turn queue boxes (turn boxes) at signalized intersections where separated (Class IV) bikeways intersect with another bikeway, to facilitate two-stage turns from the separated bikeway.
2. Turn boxes may also be used at the intersections of other bikeway types, where comfortable and convenient turns are not otherwise supported.
3. Prohibit turns on red from intersecting streets where turn boxes are installed in the path of turning vehicles.
4. Turn boxes shall be placed in a protected area, outside of the path of conflicting vehicle, bicycle, and pedestrian movements.
5. Turn boxes may also be used at unsignalized intersections to simplify cyclist turning movements, but engineering judgement must be used to ensure the safe placement of queue boxes outside the path of conflicting vehicle movements.
6. At signalized intersections with passive detection for bicycles, provide passive detection within the turn box

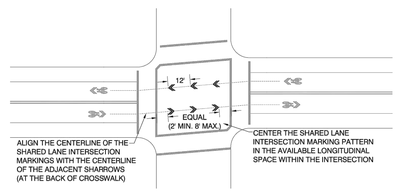
TURN BOX LAYOUT

NOT TO SCALE

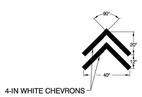
CITY OF OAKLAND
DEPARTMENT OF TRANSPORTATION | SAFE STREETS DIVISION
BICYCLE & PEDESTRIAN PROGRAMS
250 FRANK H. OGAWA PLAZA, SUITE 4314 * OAKLAND CA, 94612
EMAIL: bikeped@oaklandca.gov

TWO-STAGE TURN QUEUE BOX

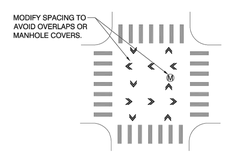
ROADWAY MARKING DETAILS
SCALE: NTS
DATE: JR/2021
DWG. NO. RM-8



MARKING DETAIL



INTERSECTING BIKE LANES



NOTE

1. Install shared lane intersection markings to connect shared lane bikeways through intersections, as noted on plans.
2. When a shared lane bikeway connects to a bike lane across an intersection (or vice versa) install shared lane intersection markings, as noted on plan. Align intersection the shared lane intersection markings with the centerline of the sharrows on the shared bikeway side of the intersection and the centerline of the bike lane on the other.

NOT TO SCALE

CITY OF OAKLAND
DEPARTMENT OF TRANSPORTATION | SAFE STREETS DIVISION
BICYCLE & PEDESTRIAN PROGRAMS
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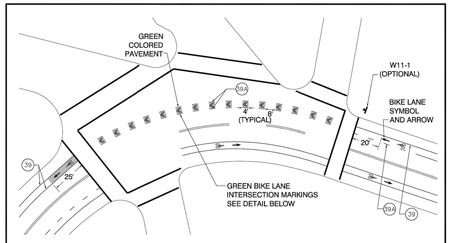
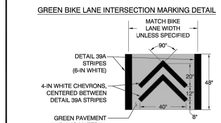
EMAIL: bikeped@oaklandca.gov

SHARED LANE EXTENSION THROUGH INTERSECTION

MARKING DETAILS
SCALE: NTS
DATE: AUG 2020
DWG. NO. M-10



GREEN BIKE LANE INTERSECTION MARKING DETAIL



NOTE: UNLESS OTHERWISE SPECIFIED ON PLANS, THE LAYOUT OF BIKE LANE INTERSECTION MARKINGS SHALL CONFORM TO THE FOLLOWING:

1. SPACING PATTERN OF MARKINGS SHALL APPROXIMATE SPACING OF DETAIL 39A STRIPE (4-FT STRIPE, 8-FT SKIP MAY VARY, SEE BELOW)
2. THE LENGTH OF SKIPS BETWEEN MARKINGS MAY VARY TO ACCOMODATE CURVES AND AVOID UTILITY COVERS OR OTHER IN-STREET APPURTENANCES
3. EACH INTERSECTION MARKING SHALL BE RECTANGULAR IN SHAPE, WITH SQUARE CORNERS AND PARALLEL SIDES.

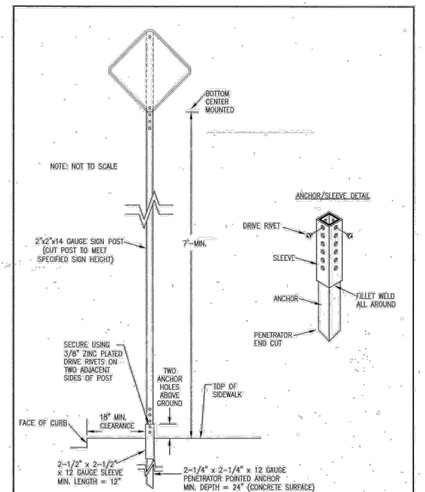
MUTCD W11-1 Sign

NOT TO SCALE

CITY OF OAKLAND
DEPARTMENT OF TRANSPORTATION | SAFE STREETS DIVISION
BICYCLE & PEDESTRIAN PROGRAMS
250 FRANK H. OGAWA PLAZA, SUITE 4314 * OAKLAND CA, 94612
EMAIL: bikeped@oaklandca.gov

GREEN BIKE LANE (TYPE 4) COMPLEX INTERSECTION

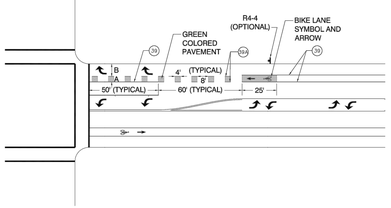
GREEN BIKE LANE DETAILS
SCALE: NTS
DATE: AUG 2020
DWG. NO. G-4



CITY OF OAKLAND | BUREAU OF ENGINEERING AND CONSTRUCTION

STANDARD SIGN POST DETAIL

TRANSPORTATION SERVICES MANAGER
DATE: July 2020
BCE DATE: _____
Dwg. No. T-4



NOTES

Downstream bike lane width (A) = 4' (Minimum)
Turn pocket width (B) = 8' (Minimum)

If A + B ≥ 15', use the Turn Pocket (Type 3) Detail for green bike lanes (DWG. G-3)

MUTCD R4-4 Sign

NOT TO SCALE

CITY OF OAKLAND
DEPARTMENT OF TRANSPORTATION | SAFE STREETS DIVISION
BICYCLE & PEDESTRIAN PROGRAMS
250 FRANK H. OGAWA PLAZA, SUITE 4314 * OAKLAND CA, 94612
EMAIL: bikeped@oaklandca.gov

GREEN BIKE LANE (TYPE 6) COMBINED BIKE LANE & RIGHT TURN POCKET

GREEN BIKE LANE DETAILS
SCALE: NTS
DATE: AUG 2020
DWG. NO. G-6

1 CITY OF OAKLAND RELEVANT STRIPING DETAILS (CONT.)

NTS

alta
304 12TH ST, SUITE 2A
OAKLAND, CA 94607
p:510.540.5008

CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

CITY OF OAKLAND
DEPARTMENT OF TRANSPORTATION
250 FRANK H. OGAWA PLAZA, SUITE 4314
OAKLAND, CA 94612
(510) 238-3437
FAX (510) 238-7227

14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

PROJECT DETAILS

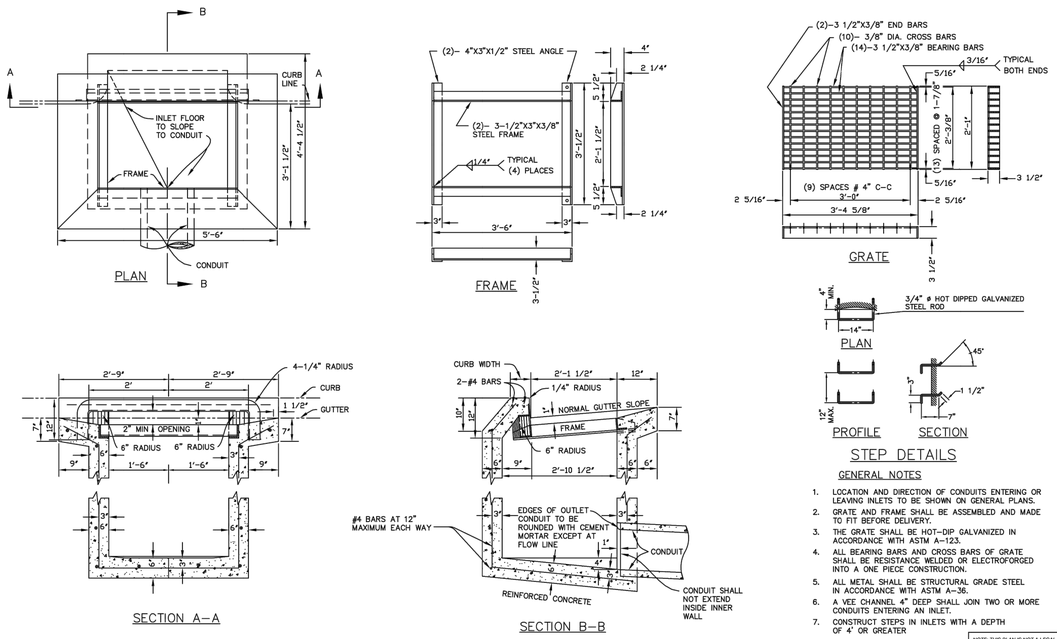
PROJECT NO.
1004251

SCALE: NTS
HOR:
VERT:
DATE: 10/31/2023

SHEET NO.
D-02
73 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\20-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Details.dwg
PLOT DATE: 10-31-23
PLOTTED BY: emmakatz

14TH AVENUE STREETSCAPE



GENERAL NOTES

1. LOCATION AND DIRECTION OF CONDUITS ENTERING OR LEAVING INLETS TO BE SHOWN ON GENERAL PLANS.
2. GRATE AND FRAME SHALL BE ASSEMBLED AND MADE TO FIT BEFORE DELIVERY.
3. THE GRATE SHALL BE HOT–DIP GALVANIZED IN ACCORDANCE WITH ASTM A–123.
4. ALL BEARING BARS AND CROSS BARS OF GRATE SHALL BE RESISTANCE WELDED OR ELECTROFORGED INTO A ONE PIECE CONSTRUCTION.
5. ALL METAL SHALL BE STRUCTURAL GRADE STEEL IN ACCORDANCE WITH ASTM A–36.
6. A VEE CHANNEL 4" DEEP SHALL JOIN TWO OR MORE CONDUITS ENTERING AN INLET.
7. CONSTRUCT STEPS IN INLETS WITH A DEPTH OF 4' OR GREATER

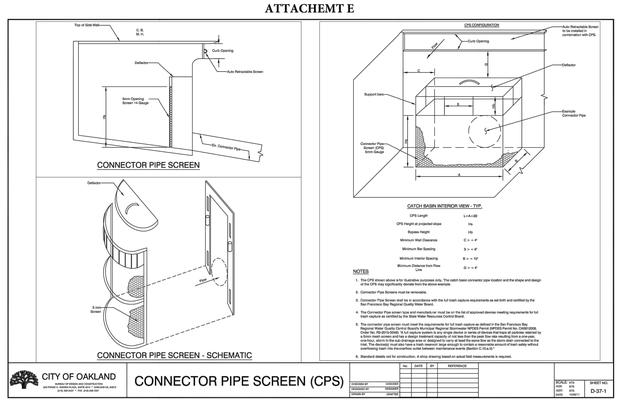
NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT BUT AN ELECTRONIC DUPLICATE. THE SIGNED CITY OF OAKLAND STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION IS AVAILABLE FOR PURCHASE FROM THE CONTRACT ADMINISTRATION DEPARTMENT.

CITY OF OAKLAND	DESIGN AND CONSTRUCTION SERVICES DEPARTMENT
TYPE "B" INLET	ENGINEERING DESIGN MANAGER — DATE: JANUARY 2002 — REV. DATE: — DRWG. D-4

1 CITY OF OAKLAND TYPE "B" INLET

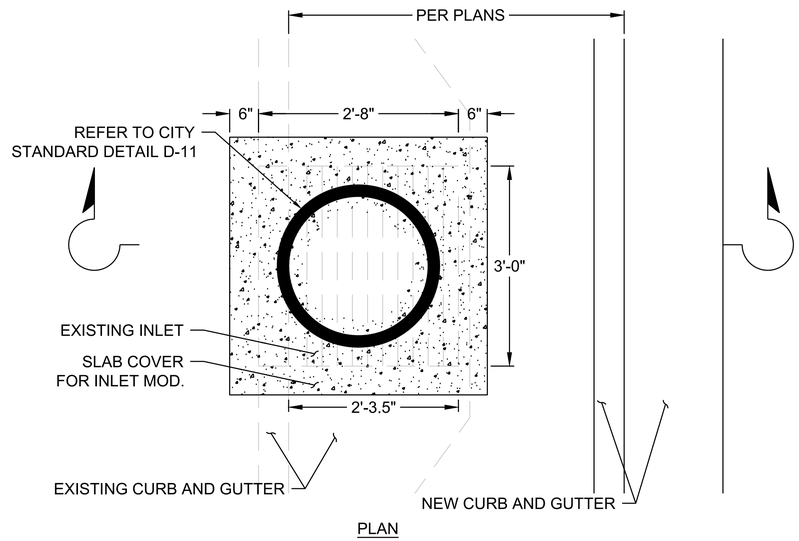
NTS

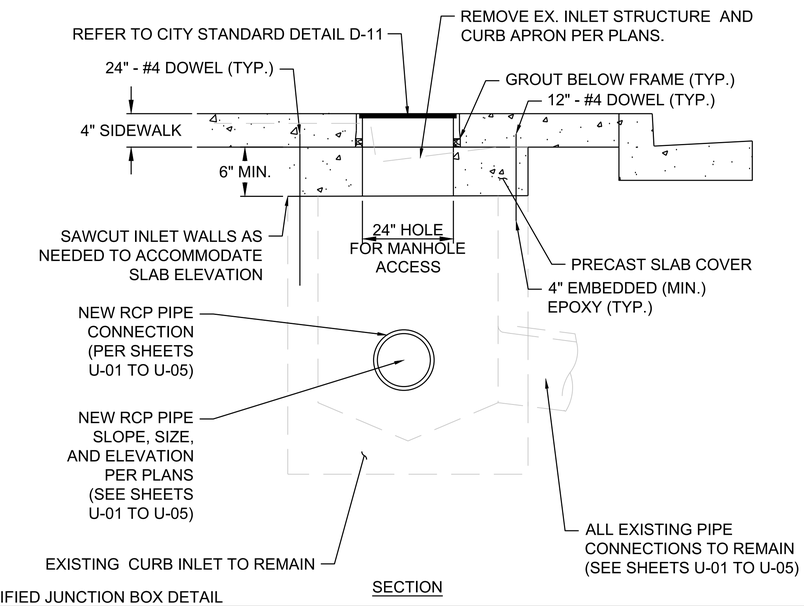
ATTACHEMT E



2 CITY OF OAKLAND CONNECTOR PIPE SCREEN

NTS





4 MODIFIED JUNCTION BOX DETAIL

NTS

alta
304 12TH ST, SUITE 2A
OAKLAND, CA 94607
p:510.540.5008

CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER — STEVEN B. FALLON — No. C–42110 — CIVIL — STATE OF CALIFORNIA

CITY OF OAKLAND
DEPARTMENT OF TRANSPORTATION
250 FRANK H. OGAWA PLAZA, SUITE 4314
OAKLAND, CA 94612
(510) 238-3437
FAX (510) 238-7227

14TH AVENUE STREETSCAPE PROJECT PHASE 1 & 3

No.	DATE	BY	REFERENCE

PROJECT DETAILS

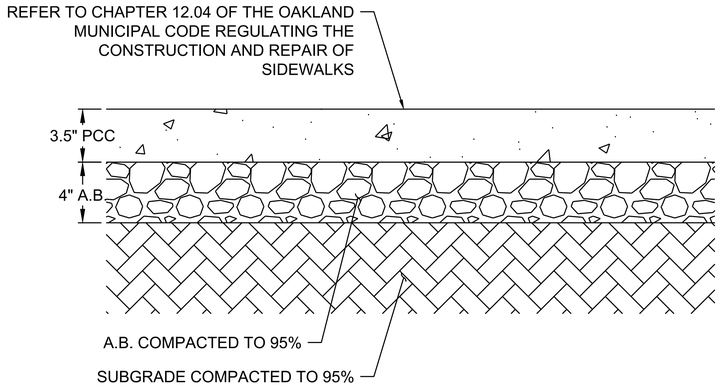
PROJECT NO. 1004251

SCALE: NTS
HOR:
VERT:
DATE: 10/31/2023

SHEET NO. D-03

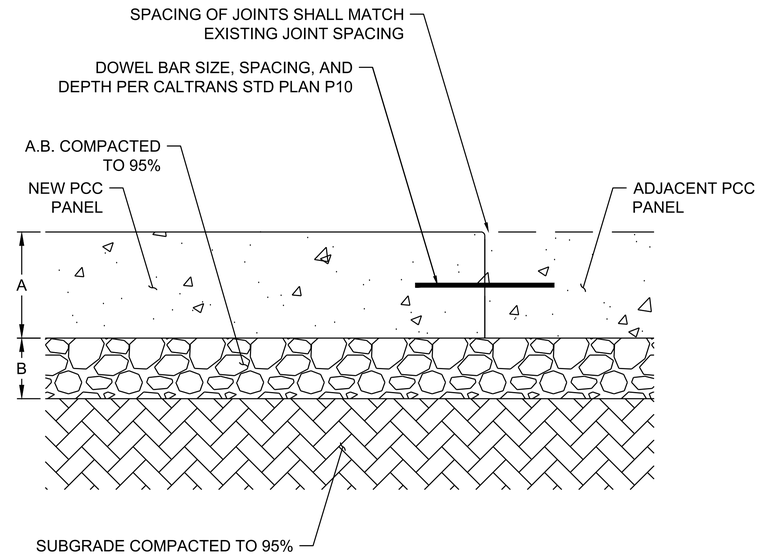
DRAWING NAME: N:\Shares\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Details.dwg
PLOT DATE: 10-31-23
PLOTTED BY: emmakatz

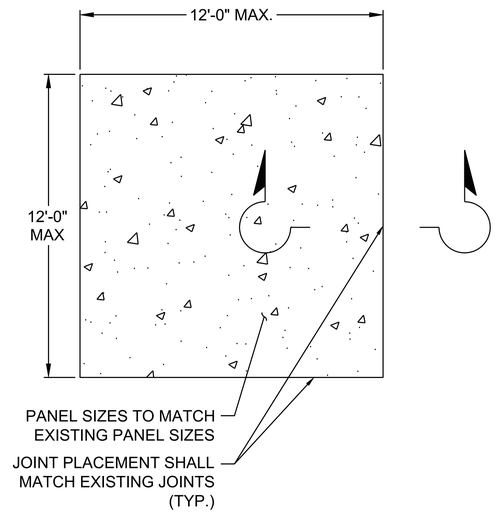
14TH AVENUE STREETSCAPE



1 SIDEWALK SECTION

NTS





NOTE:

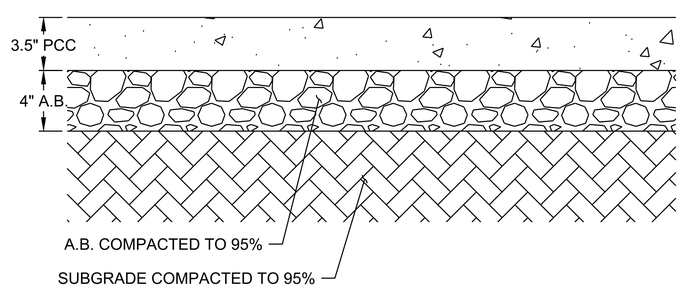
- DEPTHS A AND B TO MATCH EXISTING
- CONCRETE SECTION [A] VARIES IN DEPTH (8" - 10")

SECTION

PLAN VIEW

2 CONCRETE STREET PANELS

NTS



3 MEDIAN SECTION

NTS

alta
304 12TH ST, SUITE 2A
OAKLAND, CA 94607
p:510.540.5008

CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER STEVEN B. FRILSON No. C-42110 CIVIL STATE OF CALIFORNIA

CITY OF OAKLAND
DEPARTMENT OF TRANSPORTATION
250 FRANK H. OGAWA PLAZA, SUITE 4314
OAKLAND, CA 94612
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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

PROJECT DETAILS

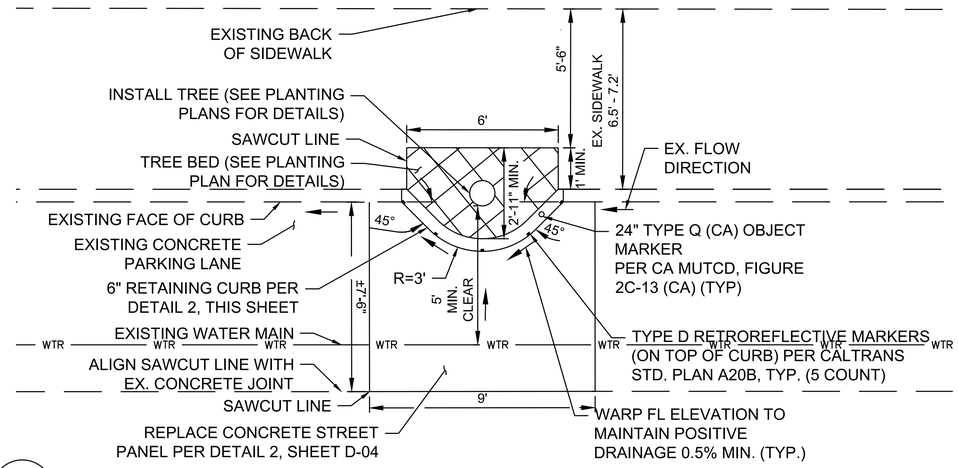
PROJECT NO. 1004251

SCALE: NTS
HOR:
VERT:
DATE: 10/31/2023

SHEET NO. D-04
75 OF 100

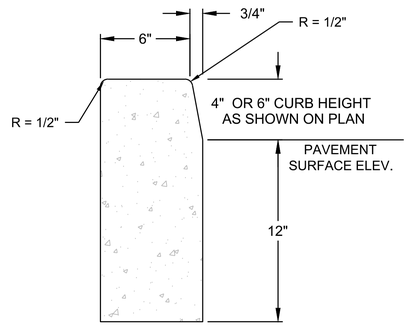
DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Details.dwg
PLOT DATE: 10-31-23
PLOTTED BY: emmakatz

14TH AVENUE STREETSCAPE



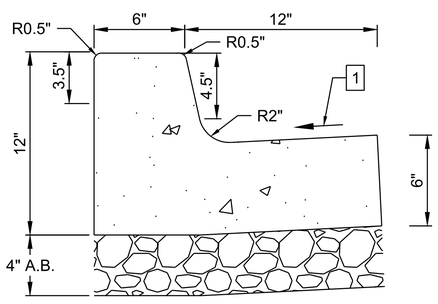
1 TREE BULB

NTS



2 RETAINING CURB

NTS



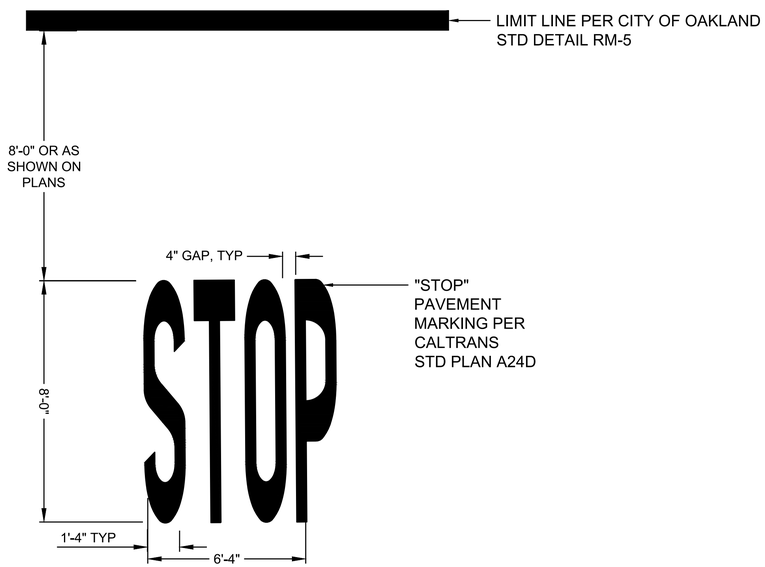
NOTES:

1. 4.16% SLOPE UNLESS OTHERWISE NOTED ON PLANS
2. WHERE "SPILL GUTTER" LABELED ON GRADING PLAN, APPLY SPILL GUTTER DETAIL 5 SHT. D-05
3. SAWCUT AND PLUG 1'-0" MIN. FROM EDGE OF PROPOSED CURB WORK.

CURB MODIFIED FROM CITY OF OAKLAND TYPE A CONCRETE CURB AND GUTTER, SEE STD. DETAIL S-1 FOR ADDITIONAL NOTES

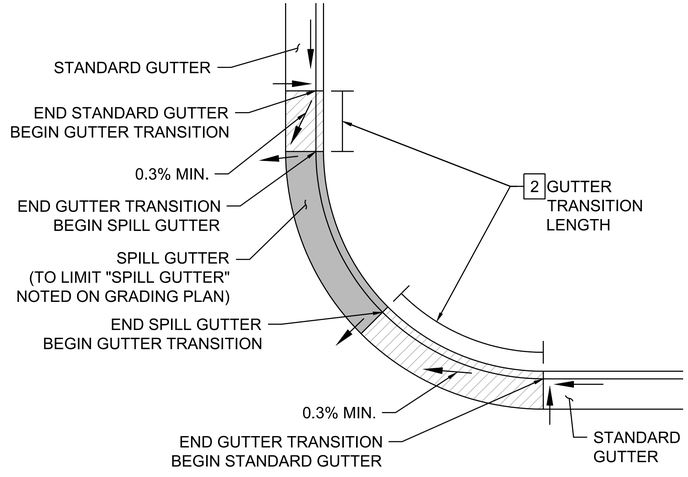
4 MODIFIED TYPE A CURB

NTS

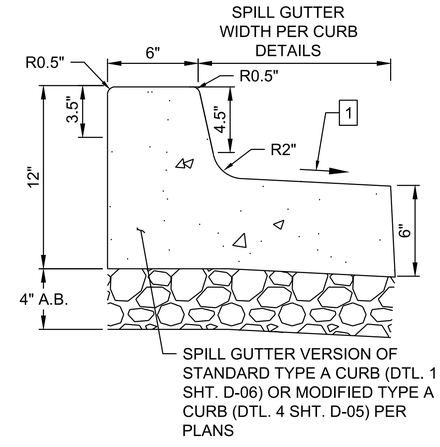


3 ADVANCE STOP DETAIL

NTS



PLAN VIEW



SPILL CURB SECTION

NOTES:

1. 2%-5% SPILL GUTTER CROSS SLOPE
2. GUTTER TRANSITION LENGTH SHALL BE 4FT MIN. OR LONGER TO PROVIDE AT LEAST 0.3% MIN. DRAINAGE SLOPE FROM THE BOTTOM OF STANDARD GUTTER TO THE SPILL GUTTER. TRANSITION MAY EXTEND TO NEXT ELEVATION POINT MARKED ON THE GRADING PLAN.
3. SEE ELEVATIONS ON GRADING PLANS
4. SAWCUT AND PLUG 1'-0" MIN. FROM EDGE OF PROPOSED CURB WORK.

5 SPILL GUTTER

NTS

alta
304 12TH ST, SUITE 2A
OAKLAND, CA 94607
p:510.540.5008

CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER STEVEN B. FARTSON No. C-42110 CIVIL STATE OF CALIFORNIA

CITY OF OAKLAND
DEPARTMENT OF TRANSPORTATION
250 FRANK H. OGAWA PLAZA, SUITE 4314
OAKLAND, CA 94612
(510) 238-3437
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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

PROJECT DETAILS

PROJECT NO. 1004251

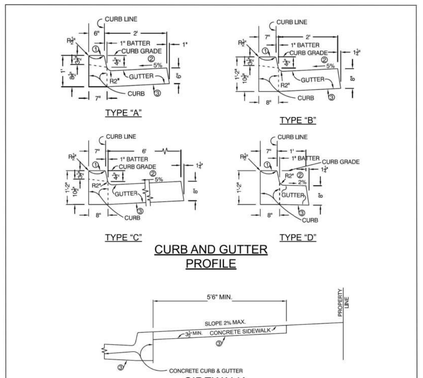
SCALE: NTS
HOR:
VERT:
DATE: 10/31/2023

SHEET NO. D-05
76 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Details.dwg
PLOT DATE: 10-31-23
PLOTTED BY: emmaskaitz

14TH AVENUE STREETSCAPE

WHERE "SPILL GUTTER" LABELED ON GRADING PLAN, APPLY SPILL GUTTER DETAIL 5 SHT. D-05



NOTES
1. OMIT THIS PORTION OF CURB AT DRIVEWAYS.
2. STANDARD SLOPE EXCEPT AS SHOWN ON PLANS.
3. PLACE 4" OF PROCESSED AGGREGATE BASE (TYPE A) UNDER CURB, GUTTER AND SIDEWALK UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

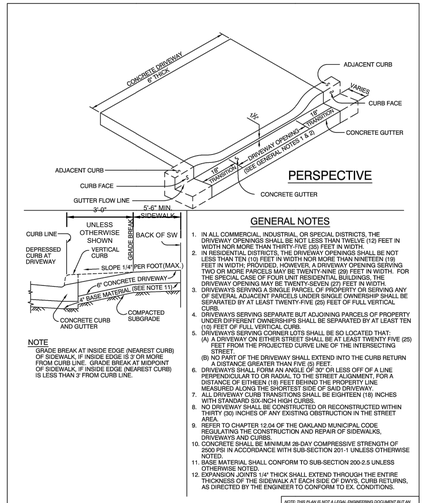
NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT BUT AN ELECTRONIC DUPLICATE. THE SIGNED CITY OF OAKLAND STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION IS AVAILABLE FOR PURCHASE FROM THE CONTRACT ADMINISTRATION DEPARTMENT

CITY OF OAKLAND | DESIGN AND CONSTRUCTION SERVICES DEPARTMENT

CONCRETE CURB, GUTTER, AND SIDEWALK

ENGINEERING DESIGN MANAGER
DATE: JANUARY 2002 | DWG
REV. DATE: SEPTEMBER 2022 | S-1

1 CITY OF OAKLAND CURB AND DRIVEWAY STANDARD DETAILS
NTS



NOTE
GRADE BREAK AT INSIDE EDGE (NEAREST CURB) OF SIDEWALK, IF INSIDE EDGE IS 2' OR MORE FROM CURB LINE. GRADE BREAK AT MIDPOINT OF SIDEWALK, IF INSIDE EDGE (NEAREST CURB) IS LESS THAN 3' FROM CURB LINE.

GENERAL NOTES
1. IN ALL COMMERCIAL, INDUSTRIAL, OR SPECIAL DISTRICTS, THE DRIVEWAY OPENINGS SHALL BE NOT LESS THAN TWELVE (12) FEET IN WIDTH NOR MORE THAN THIRTY-FIVE (35) FEET IN WIDTH.
2. IN RESIDENTIAL DISTRICTS, THE DRIVEWAY OPENINGS SHALL BE NOT LESS THAN TEN (10) FEET IN WIDTH NOR MORE THAN NINETEEN (19) FEET IN WIDTH; PROVIDED, HOWEVER, A DRIVEWAY OPENING SERVING TWO OR MORE PARCELS MAY BE TWENTY-NINE (29) FEET IN WIDTH. FOR THE SPECIAL CASE OF FOUR UNIT RESIDENTIAL BUILDINGS, THE DRIVEWAY OPENING MAY BE THIRTY (30) FEET IN WIDTH. A DRIVEWAY OPENING IS A SINGLE PARCEL OF PROPERTY ON SERVING ANY OF SEVERAL, ADJACENT PARCELS UNDER SINGLE OWNERSHIP SHALL BE SEPARATED BY AT LEAST TWENTY-FIVE (25) FEET OF FULL VERTICAL CURB.
4. DRIVEWAYS SERVING SEPARATE BUT ADJOINING PARCELS OF PROPERTY UNDER DIFFERENT OWNERSHIPS SHALL BE SEPARATED BY AT LEAST TEN (10) FEET OF FULL VERTICAL CURB.
5. DRIVEWAYS SERVING CORNER LOTS SHALL BE SO LOCATED THAT:
   (A) NO DRIVEWAY ON EITHER STREET SHALL BE AT LEAST TWENTY FIVE (25) FEET FROM THE PROJECTED CURVE LINE OF THE INTERSECTING STREET.
   (B) NO PART OF THE DRIVEWAY SHALL EXTEND INTO THE CURB RETURN A DISTANCE GREATER THAN FIVE (5) FEET.
6. DRIVEWAYS SHALL FORM AN ANGLE OF 30° OR LESS OFF OF A LINE PERPENDICULAR TO OR RADIAL TO THE STREET ALIGNMENT, FOR A DISTANCE OF EITHER (18) FEET BEHIND THE PROPERTY LINE, MEASURED ALONG THE SHORTEST SIDE OF SAID DRIVEWAY.
7. THE WIDTH OF THE DRIVEWAY SHALL BE EIGHTEEN (18) INCHES WITH STANDARD SIX-INCH HIGH CURBS.
8. NO DRIVEWAY SHALL BE CONSTRUCTED OR RECONSTRUCTED WITHIN THIRTY (30) INCHES OF ANY EXISTING OBSTRUCTION IN THE STREET AREA.
9. REFER TO CHAPTER 12.04 OF THE OAKLAND MUNICIPAL CODE REGULATING THE CONSTRUCTION AND REPAIR OF SIDEWALKS, DRIVEWAYS AND CURBS.
10. CONCRETE SHALL BE MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 2500 PSI IN ACCORDANCE WITH SUB-SECTION 201-1 UNLESS OTHERWISE NOTED.
11. BASE MATERIAL SHALL CONFORM TO SUB-SECTION 200-2.5 UNLESS OTHERWISE NOTED.
12. EXPANSION JOINTS 1/4" THICK SHALL EXTEND THROUGH THE ENTIRE THICKNESS OF THE SIDEWALK AT EACH SIDE OF DWYS, CURB RETURNS, AS DIRECTED BY THE ENGINEER TO CONFORM TO EX. CONDITIONS.

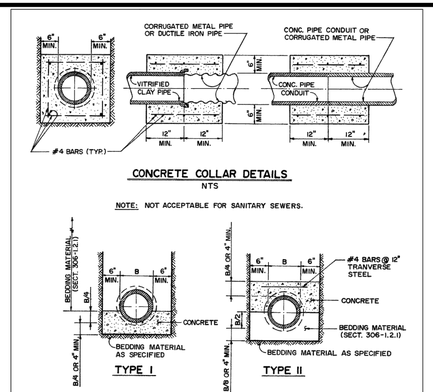
NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT BUT AN ELECTRONIC DUPLICATE. THE SIGNED CITY OF OAKLAND STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION IS AVAILABLE FOR PURCHASE FROM THE CONTRACT ADMINISTRATION DEPARTMENT

CITY OF OAKLAND | ENGINEERING DESIGN SERVICES DIVISION

CONCRETE DRIVEWAY

ENGINEERING DESIGN MANAGER
DATE: JANUARY 2002 | DWG.
REV. DATE: | S-2

2 CITY OF OAKLAND CONCRETE COLLAR AND BEDDING STANDARD DETAIL
NTS



NOTES:
1. ALL CONCRETE FOR BEDDING AND COLLARS SHALL BE CLASS 450-B-2000 AS SPECIFIED IN SUBSECTION 201-1 OF THE STANDARD SPECIFICATIONS.
2. USE TYPE I CONCRETE BEDDING WHERE CUTS ARE 13.5' (4.1M) OR GREATER; TYPE II CONCRETE BEDDING WHERE PIPE COVER IS 3'(0.9M) OR LESS IN PAVED STREET AREAS.
3. USE REINFORCING STEEL WHEN DESIGNATED ON THE PLANS.
4. UNLESS OTHERWISE SPECIFIED, CONCRETE BEDDING AND COLLARS SHALL BE PAID FOR AS PART OF THE CONSTRUCTION OF PIPE SEWER OR CONDUITS.
5. CONVERSION TO METRIC EQUIVALENTS SHALL BE IN CONFORMANCE WITH ASTM E 380.

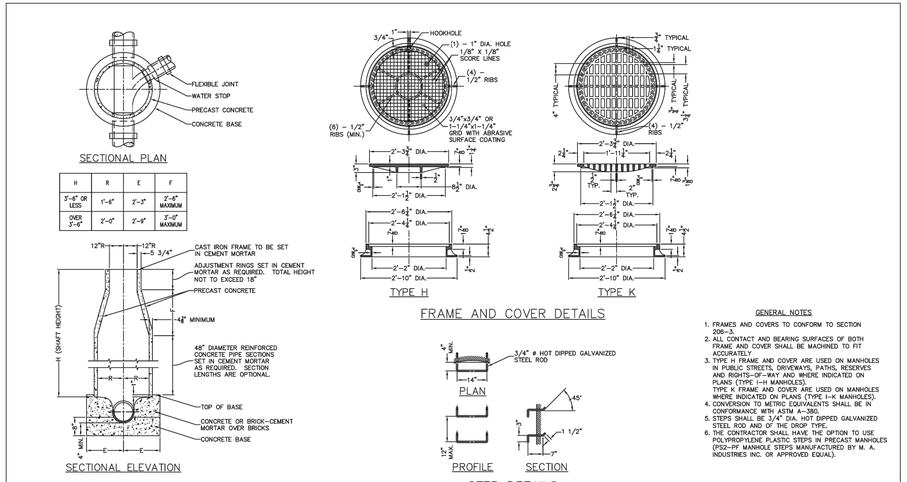
NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT BUT AN ELECTRONIC DUPLICATE. THE SIGNED CITY OF OAKLAND STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION IS AVAILABLE FOR PURCHASE FROM THE CONTRACT ADMINISTRATION DEPARTMENT

CITY OF OAKLAND | DESIGN AND CONSTRUCTION SERVICES DEPARTMENT

CONCRETE COLLAR AND BEDDING

ENGINEERING DESIGN MANAGER
DATE: JANUARY 2002 | DWG.
REV. DATE: | D-1

5 R32D (CA) 12 MIN SIGN
NTS



H	R	E	F
3'-6" OR LESS	1'-6"	2'-3"	2'-8" MAXIMUM
OVER 3'-6"	2'-0"	2'-9"	3'-0" MAXIMUM

GENERAL NOTES
1. FRAMES AND COVERS TO CONFORM TO SECTION 206-3.
2. ALL CONTACT AND BEARING SURFACES OF BOTH FRAME AND COVER SHALL BE MACHINED TO FIT ACCURATELY.
3. TYPE H FRAME AND COVER ARE USED ON MANHOLES IN PUBLIC STREETS, DRIVEWAYS, PATHS, RESERVES AND RIGHTS-OF-WAY AND WHERE INDICATED ON PLANS (TYPE I-H MANHOLES).
   TYPE K FRAME AND COVER ARE USED ON MANHOLES WHERE INDICATED ON PLANS (TYPE I-K MANHOLES).
4. CONVERSION TO METRIC EQUIVALENTS SHALL BE IN CONFORMANCE WITH ASTM A-380.
5. STEPS SHALL BE 3/4" DIA. HOT DIPPED GALVANIZED STEEL ROD AND 0" THE DROP TYPE.
6. THE CONTRACTOR SHALL HAVE THE OPTION TO USE POLYPROPYLENE PLASTIC STEPS IN PRECAST MANHOLES (PS2-PF MANHOLE STEPS MANUFACTURED BY M. A. INDUSTRIES INC. OR APPROVED EQUAL).

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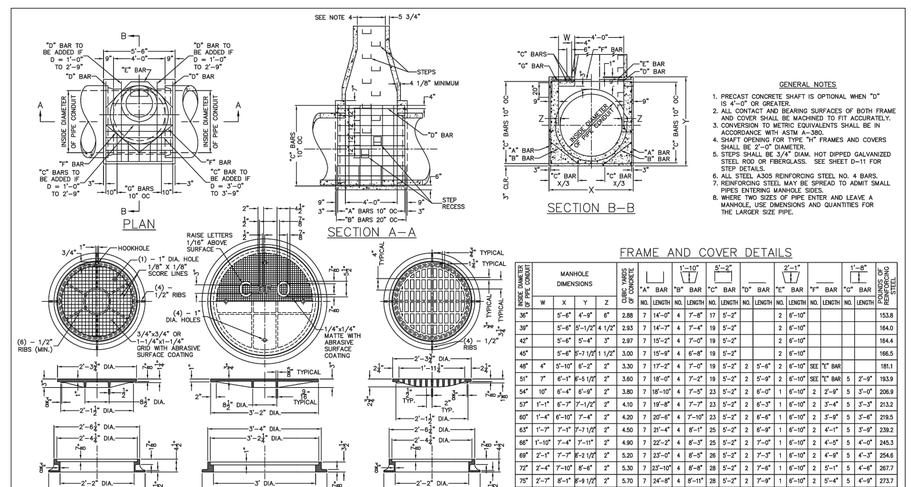
CITY OF OAKLAND | DESIGN AND CONSTRUCTION SERVICES DEPARTMENT

MANHOLE TYPE 1

ENGINEERING DESIGN MANAGER
DATE: FEBRUARY 2002 | DRAWING
REV. DATE: | D-11

3 CITY OF OAKLAND MANHOLE TYPE 1 STANDARD DETAIL
NTS



GENERAL NOTES
1. PRECAST CONCRETE SHAFT IS OPTIONAL WHEN "D" IS 4'-0" OR GREATER.
2. ALL CONTACT AND BEARING SURFACES OF BOTH FRAME AND COVER SHALL BE MACHINED TO FIT ACCURATELY.
3. CONVERSION TO METRIC EQUIVALENTS SHALL BE IN ACCORDANCE WITH ASTM A-380.
4. SHAFT OPENING FOR TYPE "H" FRAMES AND COVERS SHALL BE 2'-0" DIAMETER.
5. STEPS SHALL BE 3/4" DIAM. HOT DIPPED GALVANIZED STEEL ROD OR FIBERGLASS. SEE SHEET D-11 FOR STEP DETAILS.
6. ALL STEEL AXIS REINFORCING STEEL NO. 4 BARS.
7. REINFORCING STEEL MAY BE SPREAD TO ADMIT SMALL PIPES ENTERING MANHOLE SIDES.
8. WHERE TWO SIZES OF PIPE ENTER AND LEAVE A MANHOLE, USE DIMENSIONS AND QUANTITIES FOR THE LARGER SIZE PIPE.

FRAME AND COVER DETAILS

INSIDE DIAMETER OF PIPE CONDUIT	MANHOLE DIMENSIONS W	X	Y	Z	CONC. WORK IN CONCRETE	"A" BAR NO.	"A" BAR LENGTH	"B" BAR NO.	"B" BAR LENGTH	"C" BAR NO.	"C" BAR LENGTH	"D" BAR NO.	"D" BAR LENGTH	"E" BAR NO.	"E" BAR LENGTH	"F" BAR NO.	"F" BAR LENGTH	"G" BAR NO.	"G" BAR LENGTH	EQUIVALENT NO. OF #4 BARS	EQUIVALENT LENGTH OF #4 STEEL
36"	5'-4"	6'-4"	6"	2.88	7	14'-2"	4	7'-8"	17	5'-2"				2	6'-10"						
30"	5'-6"	5'-1/2"	4 1/2"	2.93	7	14'-3"	4	7'-4"	19	5'-2"				2	6'-10"						
42"	5'-6"	5'-4"	3"	2.97	7	15'-2"	4	7'-0"	19	5'-2"				2	6'-10"						
45"	5'-6"	5'-7 1/2"	1 1/2"	3.00	7	15'-9"	4	6'-8"	19	5'-2"				2	6'-10"						
48"	4"	5'-10"	6'-2"	2"	3.30	7	17'-2"	4	7'-0"	19	5'-2"	2	5'-4"	2	6'-10"	SEE	"E" BAR			181.1	
51"	7"	6'-1"	6'-5 1/2"	2"	3.60	7	18'-0"	4	7'-2"	19	5'-2"	2	5'-9"	2	6'-10"	SEE	"E" BAR	5	2'-9"	193.9	
54"	10"	6'-4"	6'-9"	2"	3.80	7	18'-10"	4	7'-5"	23	5'-2"	2	6'-0"	1	6'-10"	2	2'-9"	5	3'-0"	206.9	
57"	1'-1"	6'-7"	7'-1/2"	2"	4.10	7	19'-8"	4	7'-7"	23	5'-2"	2	6'-3"	1	6'-10"	2	3'-4"	5	3'-3"	213.2	
60"	1'-4"	6'-10"	7'-4"	2"	4.20	7	20'-6"	4	7'-10"	23	5'-2"	2	6'-6"	1	6'-10"	2	3'-9"	5	3'-6"	219.5	
63"	1'-7"	7'-1"	7'-1 1/2"	2"	4.50	7	21'-4"	4	8'-1"	25	5'-2"	2	6'-9"	1	6'-10"	2	4'-1"	5	3'-9"	239.2	
66"	1'-10"	7'-4"	7'-11"	2"	4.90	7	22'-2"	4	8'-3"	25	5'-2"	2	7'-0"	1	6'-10"	2	4'-5"	5	4'-0"	245.3	
69"	2'-1"	7'-7"	8'-2 1/2"	2"	5.20	7	23'-0"	4	8'-5"	26	5'-2"	2	7'-3"	1	6'-10"	2	4'-9"	5	4'-3"	254.6	
72"	2'-4"	7'-10"	8'-6"	2"	5.30	7	23'-10"	4	8'-8"	28	5'-2"	2	7'-6"	1	6'-10"	2	5'-1"	5	4'-6"	267.7	
75"	2'-7"	8'-1"	8'-9 1/2"	2"	5.70	7	24'-8"	4	8'-11"	28	5'-2"	2	7'-9"	1	6'-10"	2	5'-4"	5	4'-9"	273.7	

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CITY OF OAKLAND | DESIGN AND CONSTRUCTION SERVICES DEPARTMENT

MANHOLE TYPE 2 (FOR 36" TO 75" DIA. PIPE CONDUIT)

ENGINEERING DESIGN MANAGER
DATE: FEBRUARY 2002 | DRAWING
REV. DATE: | D-12

4 CITY OF OAKLAND MANHOLE TYPE 2 STANDARD DETAIL
NTS

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OAKLAND, CA 94607
p:510.540.5008

CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER STEVEN B. FRITSON No. C-42110 CIVIL STATE OF CALIFORNIA

CITY OF OAKLAND
DEPARTMENT OF TRANSPORTATION
250 FRANK H. OGAWA PLAZA, SUITE 4314
OAKLAND, CA 94612
(510) 238-3437
FAX (510) 238-7227

14TH AVENUE STREETSCAPE PROJECT PHASE 1 & 3

No.	DATE	BY	REFERENCE

PROJECT DETAILS

PROJECT NO. 1004251

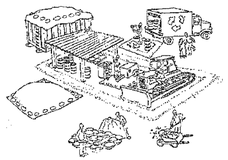
SCALE: NTS
HOR:
VERT:
DATE: 7/11/2024

SHEET NO. D-06
77 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Details.dwg
PLOT DATE: 07-11-24
PLOTTED BY: Chris-Allen

14TH AVENUE STREETSCAPE

Pollution Prevention - It's Part of the Plan



Make sure your crews and subs do the job right!

Runoff from streets and other paved areas is a major source of pollution and damage to creeks and the San Francisco Bay. Construction activities can directly affect the health of creeks and the Bay unless contractors and crews plan ahead to keep dirt, debris, and other construction waste away from storm drains and local creeks. Following these guidelines and the project specifications will ensure your compliance with City of Oakland requirements.

Materials storage & spill cleanup

Non-hazardous materials management

- Sand, dirt, and similar materials must be stored at least 10 feet (3 meters) from catch basins. All construction material must be covered with a tarp and contained with a perimeter control during wet weather or when rain is forecasted or when not actively being used within 14 days.
- Use (but don't overuse) reclaimed water for dust control as needed.
- Sweep or vacuum streets and other paved areas daily. Do not wash down streets or work areas with water.
- Recycle all asphalt, concrete, and aggregate base material from demolition activities.
- Repair or replace leaking dumpsters promptly.
- Check dumpsters regularly for leaks and to make sure they are not overfilled.
- Comply with City of Oakland Ordinances for recycling construction materials, wood, gyp board, pipe, etc.
- Cover all dumpsters with a tarp at the end of every work day or during wet weather.

Hazardous materials management

- Label all hazardous materials and hazardous wastes (such as pesticides, paints, thinners, solvents, fuel, oil, and antifreeze) in accordance with city, county, state, and federal regulations.
- Store hazardous materials and wastes in water tight containers, store in appropriate secondary containment, and cover them at the end of every work day or during wet weather or when rain is forecasted.
- Follow manufacturer's application instructions for hazardous materials and be careful not to use more than necessary. Do not apply chemicals outdoors when rain is forecasted within 24 hours.
- Be sure to arrange for appropriate disposal of all hazardous wastes.

Spill prevention and control

- Keep a stockpile of spill cleanup materials (rags, absorbents, etc.) available at the construction site at all times.
- When spills or leaks occur, contain them immediately and be particularly careful to prevent leaks and spills from reaching the gutter, street, or storm drain.
- Never wash spilled material into a gutter, street, storm drain, or creek.
- Dispose of all containment and cleanup materials properly.
- Report any hazardous materials spills immediately! Dial 911 or City of Oakland, Public Works Agency hotline at (510) 615-5566.

Construction Entrances and Perimeter

- Establish and maintain effective perimeter controls and stabilize all construction entrances and exits to sufficiently control erosion and sediment discharges from site and tracking off site.
- Sweep or vacuum any street tracking immediately and secure sediment source to prevent further tracking.

Vehicle and equipment maintenance & cleaning

- Inspect vehicles and equipment for leaks frequently. Use drip pans to catch leaks until repairs are made; repair leaks promptly.
- Fuel and maintain vehicles on site only in a bermed area or over a drip pan that is big enough to prevent runoff.
- If you must clean vehicles or equipment on site, clean with water only in a bermed area that will not allow rinse water to run into gutters, streets, storm drains, or creeks.
- Do not clean vehicles or equipment on-site using soaps, solvents, degreasers, steam cleaning equipment, etc.

Earthwork & contaminated soils

- Keep excavated soil on the site where it will not collect in the street.
- Transfer to dump trucks should take place on the site, not in the street.
- Use fiber rolls, silt fences, or other control measures to minimize the flow of silt off the site.

- Earth moving activities shall be approved by the City Resident Engineer in the Field.
- Mature vegetation is the best form of erosion control. Minimize disturbance to existing vegetation whenever possible.
- If you disturb a slope during construction, prevent erosion by securing the soil with erosion control fabric, or seed with fast-growing grasses as soon as possible. Place fiber rolls down-slope until soil is secure.
- If you suspect contamination (from site history, discoloration, odor, texture, abandoned underground tanks or pipes, or buried debris), call the Engineer for help in determining what should be done, and manage disposal of contaminated soil according to their instructions.

Dewatering operations

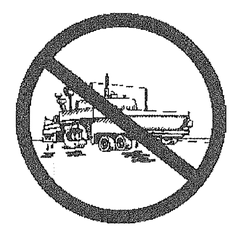
- Effectively manage all run-on, all runoff within the site, and all runoff that discharges from the site. Run-on from off site shall be directed away from all disturbed areas or shall collectively be in compliance.
- Reuse water for dust control, irrigation, or another on-site purpose to the greatest extent possible.

- Be sure to notify and obtain approval from the Engineer before discharging water to a street, gutter, or storm drain. Filtration or diversion through a basin, tank, or sediment trap may be required.
- In areas of known contamination, testing is required prior to reuse or discharge of groundwater. Consult with the Engineer to determine what testing is required and how to interpret results. Contaminated groundwater must be treated or hauled off-site for proper disposal.

Saw cutting

- Always completely cover or barricade storm drain inlets when saw cutting. Use filter fabric, catch basin inlet filters, or sand/gravel bags to keep slurry out of the storm drain system.
- Shovel, absorb, or vacuum saw-cut slurry and pick up all waste as soon as you are finished in one location or at the end of each work day (whichever is sooner!).
- If saw cut slurry enters a catch basin, clean it up immediately.

Paving/asphalt work



- Always cover storm drain inlets and manholes when paving or applying seal coat, tack coat, slurry seal, or fog seal.
- Protect gutters, ditches, and drainage courses with sand/gravel bags, or earthen beers.
- Do not sweep or wash down excess sand from sand sealing into gutters, storm drains, or creeks. Collect sand and return it to the stockpile, or dispose of it as trash.
- Do not use water to wash down fresh asphalt concrete pavement.

Concrete, grout, and mortar storage & waste disposal

- Store concrete, grout, and mortar under cover, on pallets, and away from drainage areas. These materials must never reach a storm drain.
- Wash out concrete equipment/trucks off-site or into contained washout areas that will not allow discharge of wash water onto the underlying soil or onto the surrounding areas.

- Collect the wash water from washing exposed aggregate concrete and remove it for appropriate disposal off site.

Painting

- Never rinse paint brushes or materials in a gutter or street!
- Paint out excess water-based paint before rinsing brushes, rollers, or containers in a sink.
- Paint out excess oil-based paint before cleaning brushes in thinner.
- Filter paint thinners and solvents for reuse whenever possible.
- Dispose of oil-based paint sludge and unusable thinner as hazardous waste.

Landscape Materials

- Contain, cover, and store on pallets all stockpiled landscape materials (mulch, compost, fertilizers, etc.) during wet weather or when rain is forecasted or when not actively being used within 14 days.
- Discontinue the application of any erodible landscape material within 2 days of forecasted rain and during wet weather.

Storm drain polluters may be liable for fines of $10,000 or more per day!

alta
304 12TH ST, SUITE 2A
OAKLAND, CA 94607
p:510.540.5008

CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER
STEVEN B. FAYLESON
No. C-42110
CIVIL
STATE OF CALIFORNIA

CITY OF OAKLAND
DEPARTMENT OF TRANSPORTATION
250 FRANK H. OGAWA PLAZA, SUITE 4314
OAKLAND, CA 94612
(510) 238-3437
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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

POLLUTION PREVENTION

PROJECT NO. 1004251

SCALE: NTS
HOR:
VERT:
DATE: 10/31/2023

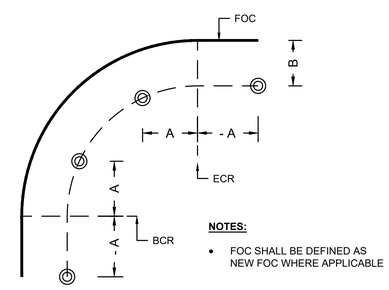
SHEET NO. PP-01
78 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\20-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Title.dwg
PLOT DATE: 10-31-23
PLOTTED BY: emmakaltz

14TH AVENUE STREETSCAPE

SIGNAL NOTES:

1. SEE SHEET GN-1 FOR FULL LIST OF GENERAL NOTES, ABBREVIATIONS, AND LEGENDS.
2. TRAFFIC SIGNAL WORK SHALL CONFORM TO THE LATEST CALTRANS STANDARD PLANS AND SPECIFICATIONS FOR DETAILS NOT COVERED IN THE CITY STANDARDS OR THE PROJECT SPECIAL PROVISIONS.
3. REFER TO CALTRANS STD PLAN ES-1A, ES-1B, AND ES-1C FOR ELECTRICAL LEGENDS AND ABBREVIATIONS.
4. SIGNAL PLANS ARE ACCURATE FOR ELECTRICAL WORK ONLY.
5. REFER TO SPECIFICATIONS AND SPECIAL PROVISIONS FOR SPECIAL REQUIREMENTS REGARDING DAMAGE TO CITY ELECTRICAL FACILITIES DURING CONSTRUCTION.
6. CONTRACTOR SHALL FURNISH, ERECT, AND MAINTAIN AT ALL TIMES FENCES, BARRICADES, LIGHTS, SIGNS, AND OTHER DEVICES THAT ARE NECESSARY TO PREVENT ACCIDENTS, DAMAGES, OR INJURIES TO THE PUBLIC WITHOUT COST TO THE CITY.
7. LOCATION OF ALL UNDERGROUND AND OVERHEAD UTILITIES ARE APPROXIMATE AND BASED ON AVAILABLE RECORDS AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATIONS AND VERIFY ALL CONDITIONS ON THE JOB SITE. POTHOLE TO FULL DEPTH OF FOUNDATION BEFORE DIGGING FOUNDATION OR HAND-DIG FOUNDATION PRIOR TO ORDERING SIGNAL EQUIPMENT. HAVE USA MARKINGS IN PLACE BEFORE POTHOLING. POTHOLE CONDUIT CROSSING AT ALL UTILITY CROSSINGS WHERE THE DEPTH IS NOT KNOWN. THE CONTRACTOR IS REQUIRED TO LOCATE ALL KNOWN SUBSTRUCTURES PRIOR TO DOING WORK THAT MAY DAMAGE OR INTERFERE WITH SUCH FACILITIES. CALL USA PRIOR TO WORK.
8. THE TRAFFIC SIGNAL CONTRACTOR SHALL NOT ERECT ANY SIGNAL STANDARDS MORE THAN THREE (3) WEEKS PRIOR TO SCHEDULED TRAFFIC SIGNAL TURN ON.
9. ALL POLES, CONDUIT, PULL BOXES, AND STRIPING LOCATIONS SHOWN ON THESE PLANS ARE APPROXIMATE. ACTUAL LOCATIONS SHALL BE DETERMINED BY FIELD CONDITIONS AT THE TIME OF CONSTRUCTION AND AS DIRECTED BY CITY STAFF AND WITH AN INSPECTOR PRESENT. CONTRACTOR TO VERIFY FIELD LOCATIONS PRIOR TO ORDERING EQUIPMENT AND SHALL REPORT DISCREPANCIES TO THE CITY ENGINEER.
10. ROUTING AND LOCATIONS OF UNDERGROUND ELECTRICAL SYSTEM IS DIAGRAMMATIC AND SUBJECT TO APPROVAL OF THE ENGINEER. UNDERGROUND ELECTRICAL LINES AND SUBSURFACE STRUCTURES MAY BE RELOCATED IF NECESSARY TO CLEAR OTHER EXISTING UNDERGROUND FACILITIES.
11. ALL TREES AND SHRUBS SHALL BE TRIMMED OR REMOVED AS DETERMINED BY THE CITY RESIDENT ENGINEER AS REQUIRED TO MAINTAIN SIGNAL HEAD VISIBILITY AND SIGHT DISTANCE.
12. THE CONTRACTOR SHALL COORDINATE WITH THE CITY OF OAKLAND AND PG&E AND COMPLETE A REQUEST FOR SERVICE APPLICATION. THE SERVICE LOCATION SHOWN ON THIS PLAN IS SUBJECT TO REVIEW AND APPROVAL BY PG&E AND MAY BE CHANGED TO BEST SERVE THE IMPROVEMENTS.
13. NEW PULL BOXES SHALL BE PROVIDED WITH GROUNDED VANDAL RESISTANT INSERTS, TAMPER RESISTANT INSERTS OR CITY APPROVED EQUAL, AT LOCATIONS AS DIRECTED BY THE CITY. THE CONTRACTOR MAY USE THEIR OWN LOCKS DURING CONSTRUCTION BUT MUST COORDINATE WITH THE CITY ONCE THE SYSTEM IS LIVE.
14. BIDDERS SHOULD NOTE THE PRESENCE OF OVERHEAD UTILITIES IN THE WORK AREA. BIDDER'S PRICE SHALL INCLUDE PROVISIONS FOR WORKING IN AREAS WHERE OVERHEAD UTILITIES EXIST AND NO ADDITIONAL COMPENSATION IS ALLOWED.
15. TRENCHING AND BACKFILLING FOR PG&E CONDUIT SHALL COMPLY WITH PG&E SPECIFICATIONS.
16. ALL PG&E CONDUITS AND SUBSTRUCTURES SHALL BE INSPECTED BY PG&E INSPECTOR PRIOR TO BACKFILLING.
17. CONTRACTOR SHALL PERFORM ALL TRENCHING AND CONDUIT INSTALLATION.
18. POLES AND POLE FOUNDATIONS SHALL CONFORM TO THE LATEST CALTRANS STANDARD PLANS, AND SHALL BE OF TYPES IDENTIFIED WITHIN THE EQUIPMENT SCHEDULES OF THESE PLANS.
19. TRAFFIC SIGNAL FACES AND SIGNAL HEADS SHALL COMPLY WITH THE FOLLOWING SPECIFICATIONS:
    - SIGNAL MODULE SHALL BE 12" AND OF WHICH HAVE SUCCESSFULLY OPERATED IN THE CITY OF OAKLAND FOR A PERIOD OF ONE-YEAR OR LONGER DETERMINED BY THE CITY OF OAKLAND ELECTRICAL SERVICES DIVISION.
    - EACH TRAFFIC SIGNAL SHALL BE COMPLETE WITH METAL HOUSING, GLASS LENSES, METAL OR GLASS REFLECTORS, SOCKETS VISORS, AND ALL OTHER NECESSARY PARTS IN ACCORDANCE WITH THESE SPECIFICATIONS
    - EACH SIGNAL HEAD, AS A MINIMUM, SHALL DISPLAY THREE ROUND COLORED LENDED ARRANGED VERTICALLY WITH "RED" ON TOP, "YELLOW" IN THE MIDDLE, AND "GREEN" ON THE BOTTOM.
20. ALL SIGNAL HEADS ON MAST ARMS SHALL HAVE BACKPLATES WHICH SHALL CONFORM TO CALTRANS STANDARD PLAN ES-4E AND SHALL INCLUDE 2-INCH RETROREFLECTIVE BORDERS.
21. PEDESTRIAN MODULE SHALL BE LED COUNTDOWN HEAD OF WHICH THE PRODUCT HAS SUCCESSFULLY OPERATED IN THE CITY OF OAKLAND FOR A YEAR OR LONGER AS DETERMINED BY THE CITY OF OAKLAND ELECTRICAL SERVICES DIVISION.
22. APS ASSEMBLIES SHALL BE OF WHICH HAS SUCCESSFULLY OPERATED IN THE CITY OF OAKLAND FOR A PERIOD OF ONE-YEAR OR LONGER DETERMINED BY THE CITY OF OAKLAND ELECTRICAL SERVICES DIVISION. APS PUSH BUTTON ASSEMBLIES SHALL BE IN ACCORDANCE WITH CALTRANS STANDARD SPECIFICATIONS 86-5.02, CALIFORNIA MUTCD, ADA, ITE, AND THESE SPECIAL PROVISIONS. THE CONTRACTOR SHALL FURNISH METAL TYPE HOUSING PEDESTRIAN PUSH BUTTON INCLUDING SIGN WITH APPROPRIATE ARROW INDICATION WHERE APPLICABLE. SIGNS SHALL CONFORM TO CALIFORNIA MUTCD. THE SIGN SHALL FIT COMPLETELY WITHIN THE ASSEMBLY FRAME. BRAILLE SHALL NOT BE PROVIDED. SIGN SHALL BE FABRICATED FROM ALUMINUM WITH TYPE III HIGH INTENSITY SHEETING.
23. POSITION OF POLES, CONTROLLER, AND SERVICE CABINET SHALL BE MARKED, VERIFIED, AND APPROVED BY THE ENGINEER PRIOR TO EXCAVATION FOR FOUNDATIONS. A MINIMUM OF 48 HOURS NOTICE IS REQUIRED.
24. ALL CONDUCTORS SHALL CONFORM PER CITY OF OAKLAND STANDARD DRAWING E-34 AND AS DIRECTED BY CITY ELECTRICAL SERVICES.
25. TRAFFIC SIGNAL CABLE SHALL CONSIST OF 12 No. 14 AWG CONDUCTORS. CONDUCTORS SHALL BE SOLID AND CONFORM TO THE REQUIREMENTS OF ASTM DESIGNATION B3. THE CONDUCTORS SHALL BE INDIVIDUALLY INSULATED WITH POLYETHYLENE COMPOUND. CABLE SHALL COMPLY WITH IMSA SPECIFICATION 19-1. THE INSULATION SHALL BE APPROVED AS TYPE TW UNDERWRITERS' LABORATORIES, INC.
26. TRAFFIC SIGNAL CONDUCTOR IDENTIFICATION, NUMBERING, AND COLOR CODING SHALL CONFORM TO THE CITY STANDARD DRAWING E-34.
27. MAST ARM TRAFFIC SIGNAL HEADS SHALL BE CONNECTED WITH 5-CONDUCTOR, No. 14 AWG CABLE BETWEEN HEAD AND TERMINAL BLOCK INSIDE TRAFFIC SIGNAL MOUNTING ADAPTER. THE CABLE SHALL MEET THE ABOVE SPECIFICATIONS FOR 12-CONDUCTOR CABLE.
28. ALL 120V STREET LIGHTS, VIDEO CAMERAS, AND IISNS SHALL BE PROTECTED BY IN LINE FUSE HOLDERS (HEB-AA) WITH 5 AMPS KTK FUSES. ALL 240V STREET LIGHTS SHALL BE PROTECTED BY DOUBLE IN LINE FUSE HOLDERS (HEX-AA) WITH 5 AMP KTK FUSES.
29. ALL SALVAGED EQUIPMENT SHALL BE DELIVERED TO THE MUNICIPAL SERVICE CENTER AT 7101 EDGEWATER DRIVE. CONTACT THE ELECTRICAL CONSTRUCTION AND MAINTENANCE PLANNER AT (510) 615-5438 AT LEAST 48 HOURS PRIOR TO DELIVERY. MOUNTING HARDWARE SHALL BE DISASSEMBLED FROM SIGNAL POLES, AND VEHICLE SIGNALS SHALL BE DISASSEMBLED FROM THE MOUNTING HARDWARE PRIOR TO TO DELIVERY TO THE MUNICIPAL SERVICE CENTER.
30. ALL CONDUIT AND FOUNDATION WORK SHALL BE INSPECTED AND APPROVED BY THE ENGINEER BEFORE BACKFILLING OR POURING CONCRETE.
31. CONTRACTOR SHALL PICK UP SPLICE CHAMBERS FROM CITY ELECTRICAL SHOP AT NO COST TO THE CONTRACTOR.
32. ALL PROPOSED WORK SHOULD COMPLY WITH CURRENT STANDARDS AND CITY'S REQUIREMENTS.
33. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL THE WORK DONE BY THEIR SUBCONTRACTORS, INCLUDING TRAFFIC SIGNAL WORK, CONCRETE CONSTRUCTION WORK, SIGNING AND STRIPING WORK, AND OTHERS.
35. CONTRACTOR SHALL CONTACT CITY OF OAKLAND ELECTRICAL DEPARTMENT AT 510-615-5438 AT LEAST TWO (2) WEEKS PRIOR TO START OF CONSTRUCTION AT EACH TRAFFIC SIGNAL.
36. ALL FOUNDATIONS OF EXISTING EQUIPMENT TO BE REMOVED AS A PART OF THIS WORK SHALL ALSO BE REMOVED AND DISPOSED OF, UNLESS OTHERWISE NOTED.



NOTES:

- FOC SHALL BE DEFINED AS NEW FOC WHERE APPLICABLE

POLE LOCATION DETAIL
(NOT TO SCALE)

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

SIGNAL MODIFICATION NOTES

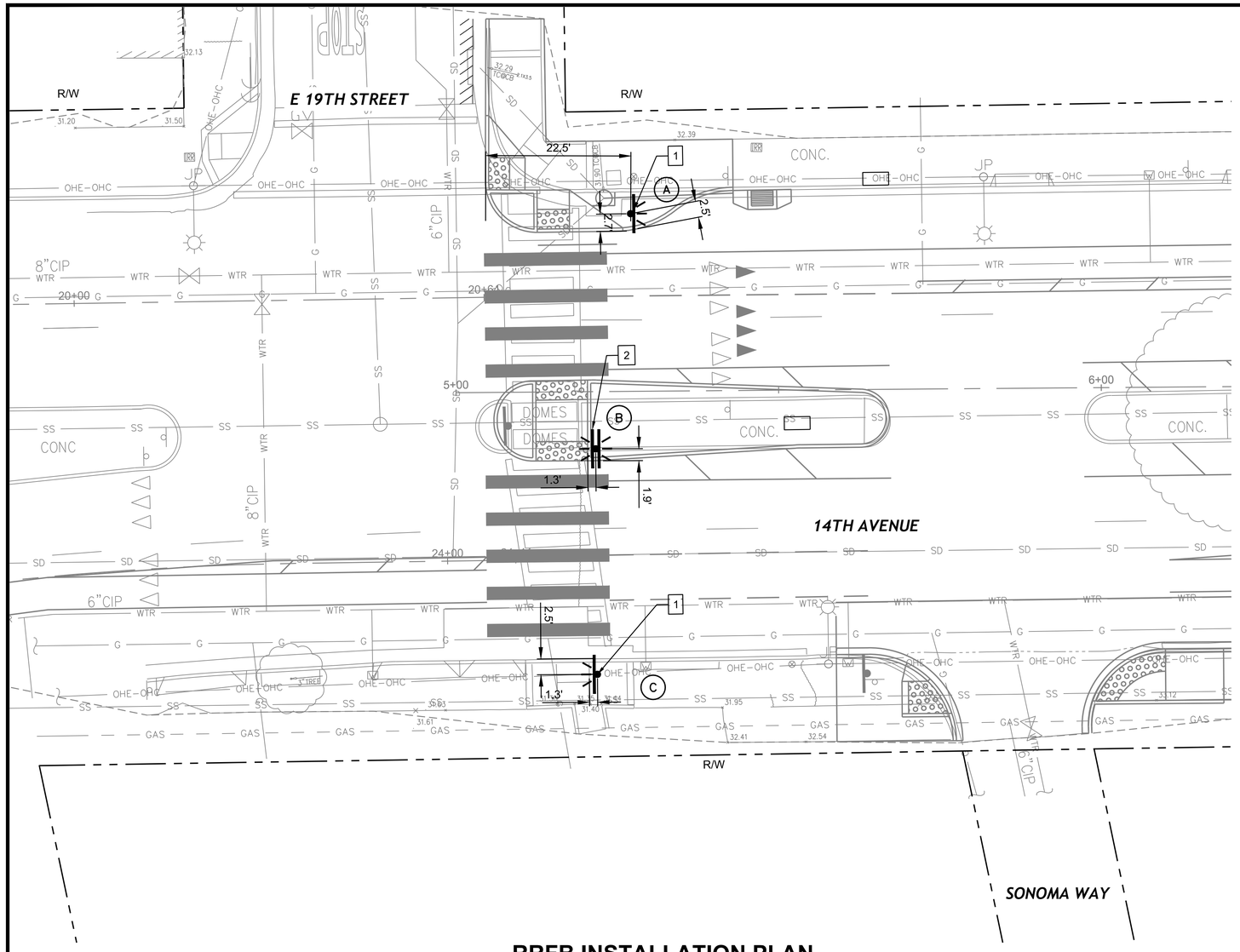
PROJECT NO.
1004251

SCALE: 1"=10'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO.
TS-00
79 OF 100

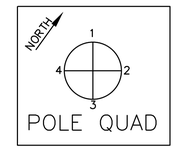
DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Signal.dwg
PLOT DATE: 10-31-23
PLOTTED BY: emmakatz

14TH AVENUE STREETSCAPE



RRFB INSTALLATION PLAN
14TH AVENUE @ E 19TH STREET
(1"=10')

POLE AND EQUIPMENT SCHEDULE					
POLE	POLE			APS	DESCRIPTION
	TYPE	HEIGHT	FOUNDATION DETAIL	QUADRANT	
A	1-B	13'-9"	6'-0" DEPTH 2'-6" ø	4	SINGLE-SIDED RRFB WITH APS. SEE DETAIL 1, SHEET TS-12
B	1-B	13'-9"	6'-0" DEPTH 2'-6" ø	4	SINGLE-SIDED RRFB WITH APS. SEE DETAIL 1, SHEET TS-12
C	1-B	13'-9"	6'-0" DEPTH 2'-6" ø	4	SINGLE-SIDED RRFB WITH APS. SEE DETAIL 1, SHEET TS-12



LEGEND:

SINGLE-SIDED RRFB

DOUBLE-SIDED RRFB

ADA PUSH BUTTON AND APS NOTE:

ADA PUSH BUTTON HEIGHTS SHALL BE INSTALLED AT 40" MAX VERTICALLY O.C. FROM ACCESSIBLE PEDESTRIAN WALKWAY. FURNISH APS WITH TOUCHLESS ACTIVATION OPTION.

CONSTRUCTION NOTES (THIS SHEET ONLY):

1. FURNISH AND INSTALL WIRELESS SOLAR, LED RECTANGULAR RAPID FLASHING BEACON (RRFB) CROSSWALK SYSTEM ON NEW CONTRACTOR FURNISHED AND INSTALLED STANDARD TYPE 1B POLE PER DETAIL 1, SHEET TS-12. SYSTEM COMPONENTS SHALL INCLUDE BUT NOT LIMITED TO: SOLAR PANEL, BATTERY, AND CONTROLLER WITH RADIO COMMUNICATION CAPABILITY. FURNISH AND INSTALL RRFB [SINGLE-SIDED]. FURNISH AND INSTALL APS ASSEMBLY, WITH R62E(CA) SIGNAGE. PEDESTRIAN PUSH BUTTON SHALL BE LOCATED ON POLE QUADRANT PER POLE SCHEDULE, THIS SHEET. FURNISH AND INSTALL W11-2 "PEDESTRIAN XING" SIGN AND W16-7P "ARROW" SIGN [SINGLE-SIDED]. THE CONTRACTOR SHALL VERIFY ALL EQUIPMENT LOCATIONS IN THE FIELD WITH THE CITY INSPECTOR PRESENT.

2. FURNISH AND INSTALL WIRELESS SOLAR, LED RECTANGULAR RAPID FLASHING BEACON (RRFB) CROSSWALK SYSTEM ON NEW CONTRACTOR FURNISHED AND INSTALLED STANDARD TYPE 1B POLE PER DETAIL 1, SHEET TS-12. SYSTEM COMPONENTS SHALL INCLUDE BUT NOT LIMITED TO: SOLAR PANEL, BATTERY, AND CONTROLLER WITH RADIO COMMUNICATION CAPABILITY. FURNISH AND INSTALL RRFB [DOUBLE-SIDED]. FURNISH AND INSTALL APS ASSEMBLY, WITH R62E(CA) SIGNAGE. PUSH BUTTON SHALL BE LOCATED ON POLE QUADRANT PER POLE SCHEDULE, THIS SHEET. FURNISH AND INSTALL W11-2 "PEDESTRIAN XING" SIGN AND W16-7P "ARROW" SIGN [DOUBLE-SIDED]. THE CONTRACTOR SHALL VERIFY ALL EQUIPMENT LOCATIONS IN THE FIELD WITH THE CITY INSPECTOR PRESENT.

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DRAWN BY	JP

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

RRFB PLANS

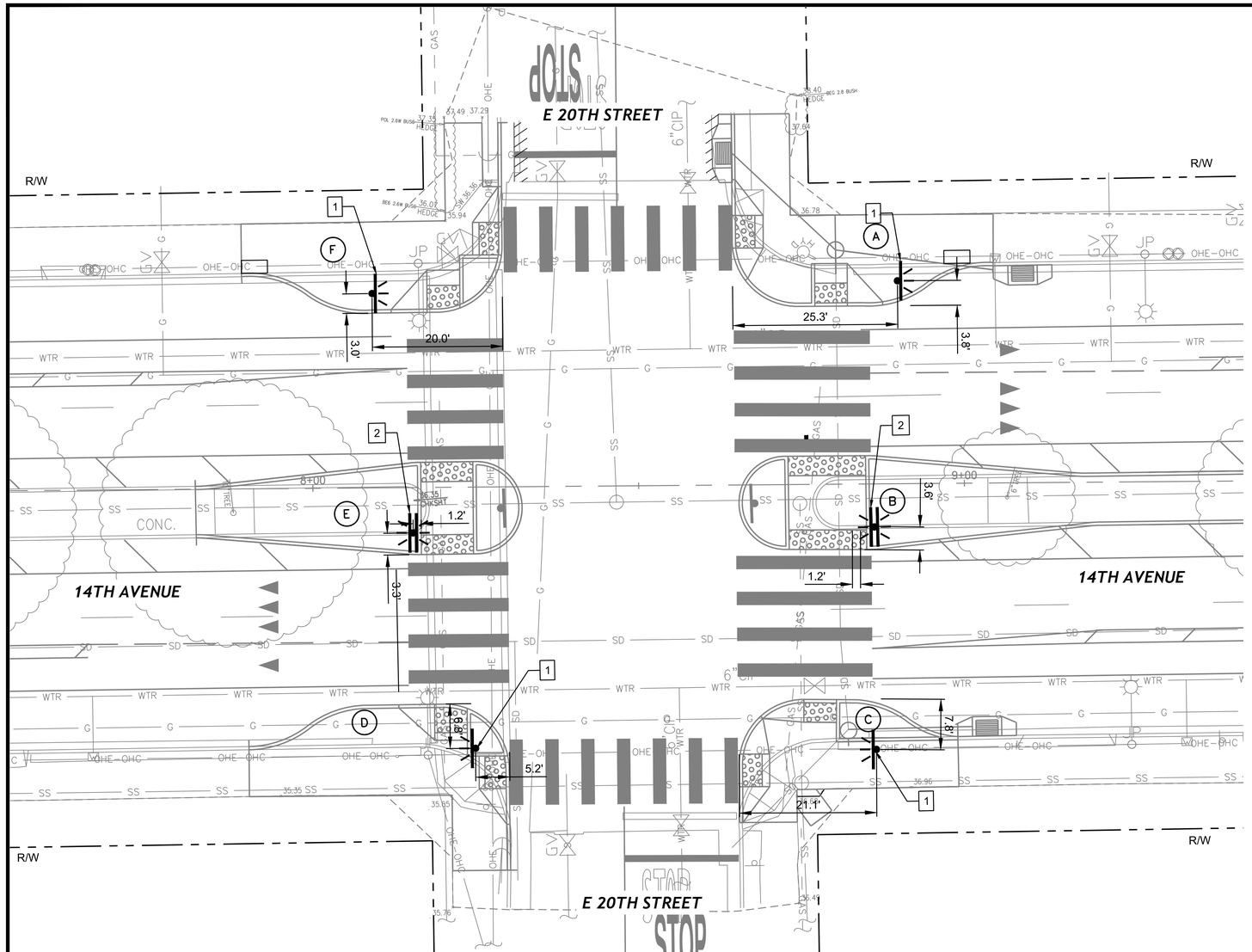
PROJECT NO. 1004251

SCALE: 1"=10'
HOR:
VERT:
DATE: 7/11/2024

SHEET NO. TS-01
80 OF 100

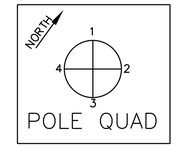
DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Signal.dwg
PLOT DATE: 07-11-24
PLOTTED BY: Chris-Allen

14TH AVENUE STREETSCAPE



RRFB INSTALLATION PLAN
14TH AVENUE @ E 20TH STREET
(1"=10')

POLE AND EQUIPMENT SCHEDULE					
POLE	POLE			APS	DESCRIPTION
	TYPE	HEIGHT	FOUNDATION DETAIL	QUADRANT	
A	1-B	13'-9"	6'-0" DEPTH 2'-6" ø	4	SINGLE-SIDED RRFB WITH APS. SEE DETAIL 1, SHEET TS-12
B	1-B	13'-9"	6'-0" DEPTH 2'-6" ø	4	SINGLE-SIDED RRFB WITH APS. SEE DETAIL 1, SHEET TS-12
C	1-B	13'-9"	6'-0" DEPTH 2'-6" ø	4	SINGLE-SIDED RRFB WITH APS. SEE DETAIL 1, SHEET TS-12
D	1-B	13'-9"	6'-0" DEPTH 2'-6" ø	4	SINGLE-SIDED RRFB WITH APS. SEE DETAIL 1, SHEET TS-12
E	1-B	13'-9"	6'-0" DEPTH 2'-6" ø	2	SINGLE-SIDED RRFB WITH APS. SEE DETAIL 1, SHEET TS-12
F	1-B	13'-9"	6'-0" DEPTH 2'-6" ø	2	SINGLE-SIDED RRFB WITH APS. SEE DETAIL 1, SHEET TS-12



LEGEND:

SINGLE-SIDED RRFB

DOUBLE-SIDED RRFB

CONSTRUCTION NOTES (THIS SHEET ONLY):

1. FURNISH AND INSTALL WIRELESS SOLAR, LED RECTANGULAR RAPID FLASHING BEACON (RRFB) CROSSWALK SYSTEM ON NEW CONTRACTOR FURNISHED AND INSTALLED STANDARD TYPE 1B POLE PER DETAIL 1, SHEET TS-12. SYSTEM COMPONENTS SHALL INCLUDE BUT NOT LIMITED TO: SOLAR PANEL, BATTERY, AND CONTROLLER WITH RADIO COMMUNICATION CAPABILITY. FURNISH AND INSTALL RRFB [SINGLE-SIDED]. FURNISH AND INSTALL APS ASSEMBLY, WITH R62E(CA) SIGNAGE. PEDESTRIAN PUSH BUTTON SHALL BE LOCATED ON POLE QUADRANT PER POLE SCHEDULE, THIS SHEET. FURNISH AND INSTALL W11-2 "PEDESTRIAN XING" SIGN AND W16-7P "ARROW" SIGN [SINGLE-SIDED]. THE CONTRACTOR SHALL VERIFY ALL EQUIPMENT LOCATIONS IN THE FIELD WITH THE CITY INSPECTOR PRESENT.

2. FURNISH AND INSTALL WIRELESS SOLAR, LED RECTANGULAR RAPID FLASHING BEACON (RRFB) CROSSWALK SYSTEM ON NEW CONTRACTOR FURNISHED AND INSTALLED STANDARD TYPE 1B POLE PER DETAIL 1, SHEET TS-12. SYSTEM COMPONENTS SHALL INCLUDE BUT NOT LIMITED TO: SOLAR PANEL, BATTERY, AND CONTROLLER WITH RADIO COMMUNICATION CAPABILITY. FURNISH AND INSTALL RRFB [DOUBLE-SIDED]. FURNISH AND INSTALL APS ASSEMBLY, WITH R62E(CA) SIGNAGE. PUSH BUTTON SHALL BE LOCATED ON POLE QUADRANT PER POLE SCHEDULE, THIS SHEET. FURNISH AND INSTALL W11-2 "PEDESTRIAN XING" SIGN AND W16-7P "ARROW" SIGN [DOUBLE-SIDED]. THE CONTRACTOR SHALL VERIFY ALL EQUIPMENT LOCATIONS IN THE FIELD WITH THE CITY INSPECTOR PRESENT.

ADA PUSH BUTTON AND APS NOTE:

ADA PUSH BUTTON HEIGHTS SHALL BE INSTALLED AT 40" MAX VERTICALLY O.C. FROM ACCESSIBLE PEDESTRIAN WALKWAY. FURNISH APS WITH TOUCHLESS ACTIVATION OPTION.

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

RRFB PLANS

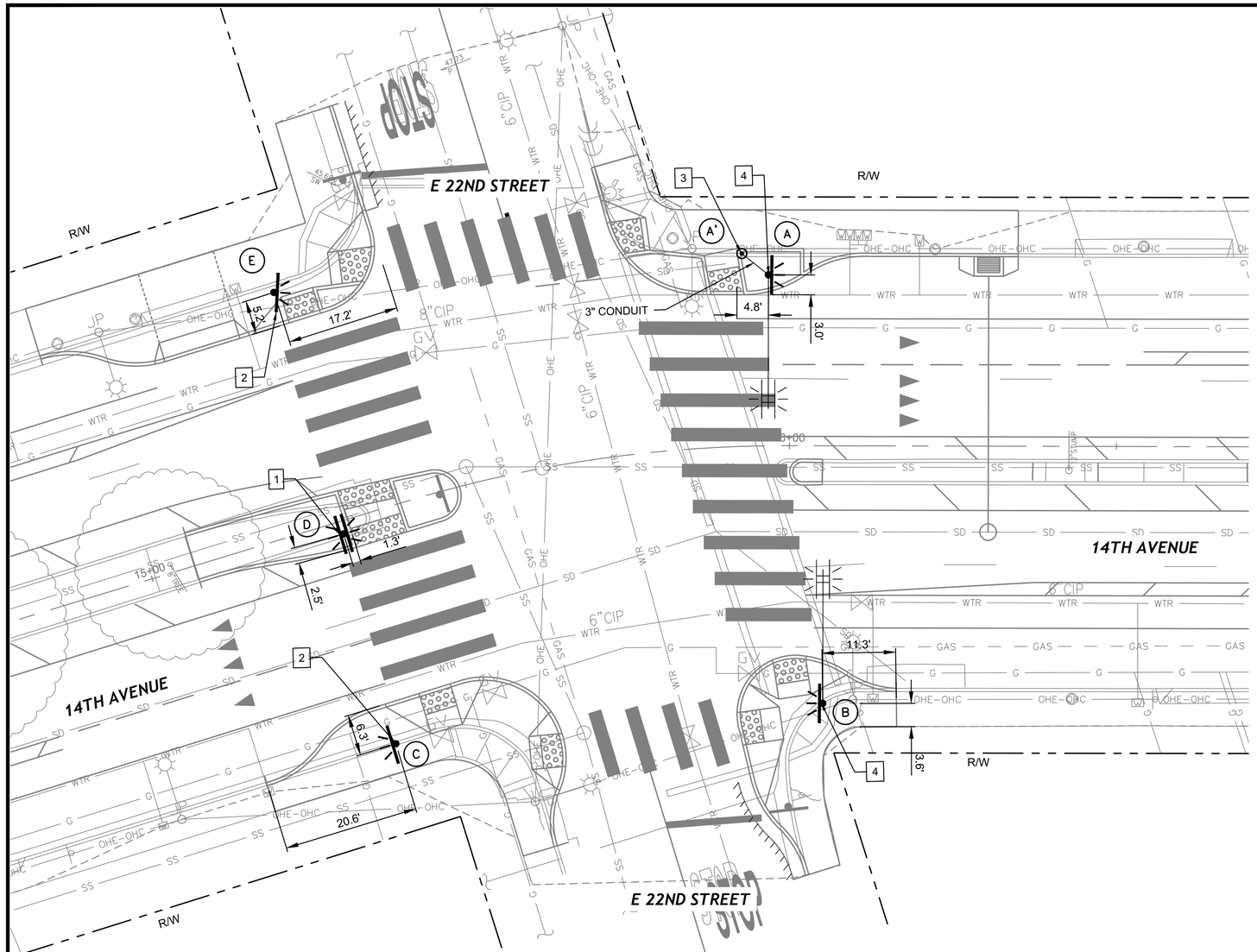
PROJECT NO. 1004251

SCALE: 1"=10'
HOR:
VERT:
DATE: 7/11/2024

SHEET NO. TS-02
81 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Signal.dwg
PLOT DATE: 07-11-24
PLOTTED BY: Chris-Allen

14TH AVENUE STREETSCAPE



RRFB INSTALLATION PLAN
14TH AVENUE @ E 22ND STREET
(1"=10')

POLE AND EQUIPMENT SCHEDULE					
POLE	POLE			APS	DESCRIPTION
	TYPE	HEIGHT	FOUNDATION DETAIL	QUADRANT	
A	16-1-100	18'-6"	9'-0" DEPTH 3'-0" ø		DOUBLE-SIDED RRFB WITH APS. SEE DETAIL 1, SHEET TS-13
A'	PPB POST	5'-7"	1'-6" DEPTH 1'-6" ø	4	PPB POST WITH APS CONNECTED TO POLE A WITH 2" CONDUIT
B	16-1-100	18'-6"	9'-0" DEPTH 3'-0" ø	4	DOUBLE-SIDED RRFB WITH APS. SEE DETAIL 1, SHEET TS-13
C	1-B	13'-9"	6'-0" DEPTH 2'-6" ø	2	SINGLE-SIDED RRFB WITH APS. SEE DETAIL 1, SHEET TS-12
D	1-B	13'-9"	6'-0" DEPTH 2'-6" ø	2	DOUBLE-SIDED RRFB WITH APS. SEE DETAIL 1, SHEET TS-12
E	1-B	13'-9"	6'-0" DEPTH 2'-6" ø	2	SINGLE-SIDED RRFB WITH APS. SEE DETAIL 1, SHEET TS-12

CONSTRUCTION NOTES (THIS SHEET ONLY):

1. FURNISH AND INSTALL WIRELESS SOLAR, LED RECTANGULAR RAPID FLASHING BEACON (RRFB) CROSSWALK SYSTEM ON NEW CONTRACTOR FURNISHED AND INSTALLED STANDARD TYPE 1B POLE PER DETAIL 1, SHEET TS-12. SYSTEM COMPONENTS SHALL INCLUDE BUT NOT LIMITED TO: SOLAR PANEL, BATTERY, AND CONTROLLER WITH RADIO COMMUNICATION CAPABILITY. FURNISH AND INSTALL RRFB [DOUBLE-SIDED]. FURNISH AND INSTALL APS ASSEMBLY, WITH R62E(CA) SIGNAGE. PUSH BUTTON SHALL BE LOCATED ON POLE QUADRANT PER POLE SCHEDULE, THIS SHEET. FURNISH AND INSTALL W11-2 "PEDESTRIAN XING" SIGN AND W16-7P "ARROW" SIGN [DOUBLE-SIDED]. THE CONTRACTOR SHALL VERIFY ALL EQUIPMENT LOCATIONS IN THE FIELD WITH THE CITY INSPECTOR PRESENT.

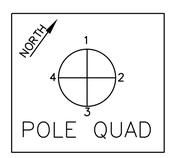
2. FURNISH AND INSTALL WIRELESS SOLAR, LED RECTANGULAR RAPID FLASHING BEACON (RRFB) CROSSWALK SYSTEM ON NEW CONTRACTOR FURNISHED AND INSTALLED STANDARD TYPE 1B POLE PER DETAIL 1, SHEET TS-12. SYSTEM COMPONENTS SHALL INCLUDE BUT NOT LIMITED TO: SOLAR PANEL, BATTERY, AND CONTROLLER WITH RADIO COMMUNICATION CAPABILITY. FURNISH AND INSTALL RRFB [SINGLE-SIDED]. FURNISH AND INSTALL APS ASSEMBLY, WITH R62E(CA) SIGNAGE. PUSH BUTTON SHALL BE LOCATED ON POLE QUADRANT PER POLE SCHEDULE, THIS SHEET. FURNISH AND INSTALL W11-2 "PEDESTRIAN XING" SIGN AND W16-7P "ARROW" SIGN [SINGLE-SIDED]. THE CONTRACTOR SHALL VERIFY ALL EQUIPMENT LOCATIONS IN THE FIELD WITH THE CITY INSPECTOR PRESENT.

3. FURNISH AND INSTALL PUSH BUTTON ASSEMBLY POST, FOUNDATION, AND APS ASSEMBLY PER CALTRANS STD PLAN ES-7A.

4. FURNISH AND INSTALL WIRELESS SOLAR, LED RECTANGULAR RAPID FLASHING BEACON (RRFB) CROSSWALK SYSTEM ON NEW CONTRACTOR FURNISHED AND INSTALLED STANDARD TYPE 16-1-100 POLE. PER DETAIL 1, SHEET TS-13. SYSTEM COMPONENTS SHALL INCLUDE BUT NOT LIMITED TO: SOLAR PANEL, BATTERY, AND CONTROLLER WITH RADIO COMMUNICATION CAPABILITY. FURNISH AND INSTALL APS ASSEMBLY, WITH R62E(CA) SIGNAGE. PUSH BUTTON SHALL BE LOCATED ON POLE QUADRANT PER POLE SCHEDULE, THIS SHEET.THE CONTRACTOR SHALL VERIFY ALL EQUIPMENT LOCATIONS IN THE FIELD WITH THE CITY INSPECTOR PRESENT.

ADA PUSH BUTTON AND APS NOTE:

ADA PUSH BUTTON HEIGHTS SHALL BE INSTALLED AT 40" MAX VERTICALLY O.C. FROM ACCESSIBLE PEDESTRIAN WALKWAY. FURNISH APS WITH TOUCHLESS ACTIVATION OPTION.



LEGEND:

SINGLE-SIDED RRFB

DOUBLE-SIDED RRFB

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DESIGNED BY	JW
DRAWN BY	JP

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

RRFB PLANS

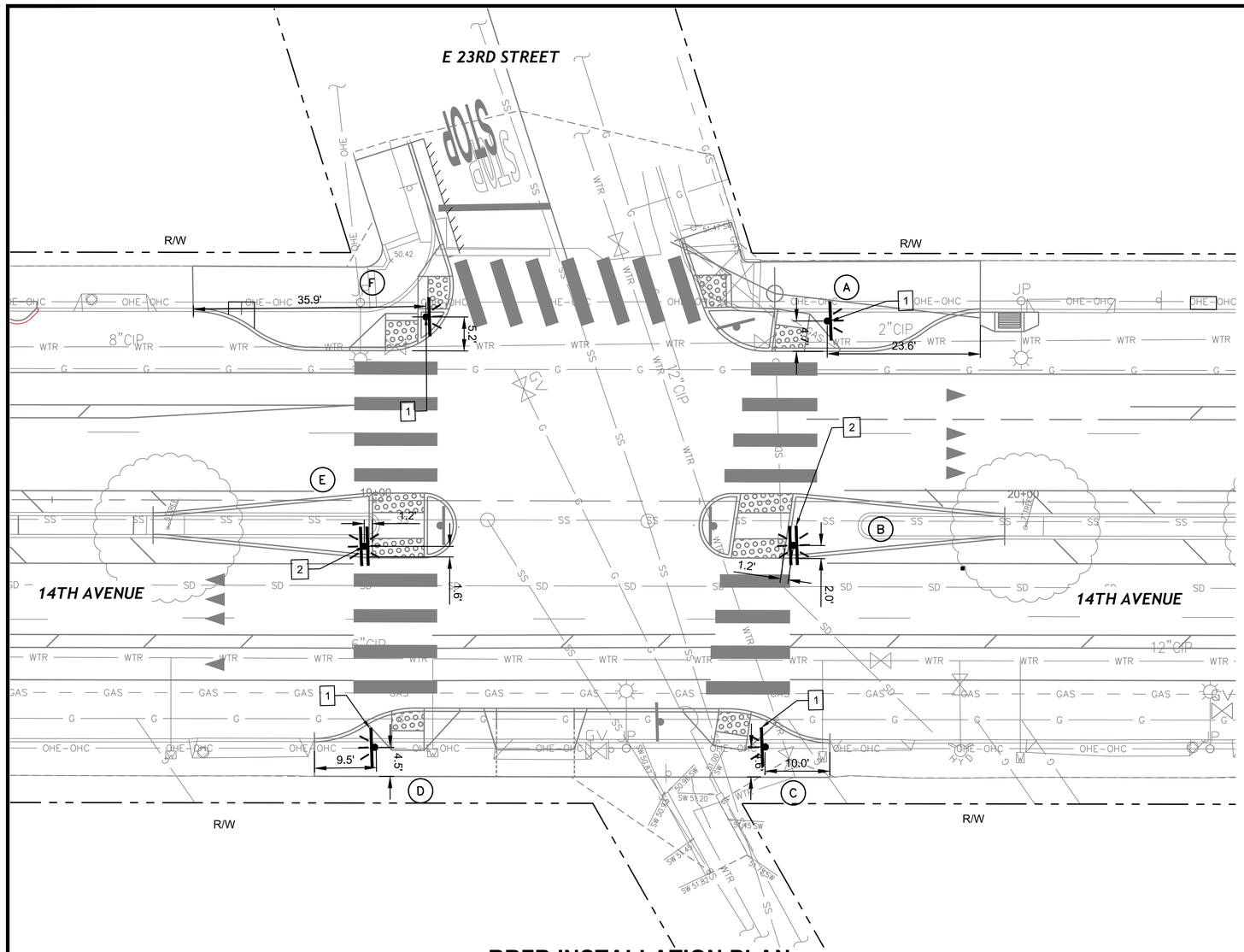
PROJECT NO. 1004251

SCALE: 1"=20'
HOR:
VERT:
DATE: 7/11/2024

SHEET NO. TS-03
82 OF 100

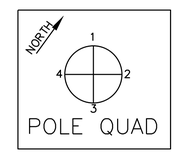
DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Signal.dwg
PLOT DATE: 07-11-24
PLOTTED BY: Chris-Allen

14TH AVENUE STREETSCAPE



RRFB INSTALLATION PLAN
14TH AVENUE @ E 23RD STREET
(1"=10')

POLE AND EQUIPMENT SCHEDULE					
POLE	POLE			APS	DESCRIPTION
	TYPE	HEIGHT	FOUNDATION DETAIL	QUADRANT	
A	1-B	13'-9"	6'-0" DEPTH 2'-6" ø	4	SINGLE-SIDED RRFB WITH APS. SEE DETAIL 1, SHEET TS-12
B	1-B	13'-9"	6'-0" DEPTH 2'-6" ø	4	SINGLE-SIDED RRFB WITH APS. SEE DETAIL 1, SHEET TS-12
C	1-B	13'-9"	6'-0" DEPTH 2'-6" ø	4	SINGLE-SIDED RRFB WITH APS. SEE DETAIL 1, SHEET TS-12
D	1-B	13'-9"	6'-0" DEPTH 2'-6" ø	2	SINGLE-SIDED RRFB WITH APS. SEE DETAIL 1, SHEET TS-12
E	1-B	13'-9"	6'-0" DEPTH 2'-6" ø	2	SINGLE-SIDED RRFB WITH APS. SEE DETAIL 1, SHEET TS-12
F	1-B	13'-9"	6'-0" DEPTH 2'-6" ø	4	SINGLE-SIDED RRFB WITH APS. SEE DETAIL 1, SHEET TS-12



LEGEND:

SINGLE-SIDED RRFB

DOUBLE-SIDED RRFB

CONSTRUCTION NOTES (THIS SHEET ONLY):

1. FURNISH AND INSTALL WIRELESS SOLAR, LED RECTANGULAR RAPID FLASHING BEACON (RRFB) CROSSWALK SYSTEM ON NEW CONTRACTOR FURNISHED AND INSTALLED STANDARD TYPE 1B POLE PER DETAIL 1, SHEET TS-12. SYSTEM COMPONENTS SHALL INCLUDE BUT NOT LIMITED TO: SOLAR PANEL, BATTERY, AND CONTROLLER WITH RADIO COMMUNICATION CAPABILITY. FURNISH AND INSTALL RRFB [SINGLE-SIDED]. FURNISH AND INSTALL APS ASSEMBLY, WITH R62E(CA) SIGNAGE. PUSH BUTTON SHALL BE LOCATED ON POLE QUADRANT PER POLE SCHEDULE, THIS SHEET. FURNISH AND INSTALL W11-2 "PEDESTRIAN XING" SIGN AND W16-7P "ARROW" SIGN [SINGLE-SIDED]. THE CONTRACTOR SHALL VERIFY ALL EQUIPMENT LOCATIONS IN THE FIELD WITH THE CITY INSPECTOR PRESENT.

2. FURNISH AND INSTALL WIRELESS SOLAR, LED RECTANGULAR RAPID FLASHING BEACON (RRFB) CROSSWALK SYSTEM ON NEW CONTRACTOR FURNISHED AND INSTALLED STANDARD TYPE 1B POLE PER DETAIL 1, SHEET TS-12. SYSTEM COMPONENTS SHALL INCLUDE BUT NOT LIMITED TO: SOLAR PANEL, BATTERY, AND CONTROLLER WITH RADIO COMMUNICATION CAPABILITY. FURNISH AND INSTALL RRFB [DOUBLE-SIDED]. FURNISH AND INSTALL APS ASSEMBLY, WITH R62E(CA) SIGNAGE. PUSH BUTTON SHALL BE LOCATED ON POLE QUADRANT PER POLE SCHEDULE, THIS SHEET. FURNISH AND INSTALL W11-2 "PEDESTRIAN XING" SIGN AND W16-7P "ARROW" SIGN [DOUBLE-SIDED]. THE CONTRACTOR SHALL VERIFY ALL EQUIPMENT LOCATIONS IN THE FIELD WITH THE CITY INSPECTOR PRESENT.

ADA PUSH BUTTON AND APS NOTE:

ADA PUSH BUTTON HEIGHTS SHALL BE INSTALLED AT 40" MAX VERTICALLY O.C. FROM ACCESSIBLE PEDESTRIAN WALKWAY. FURNISH APS WITH TOUCHLESS ACTIVATION OPTION.

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DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER STEVEN B. FATTERSON No. C-42110 CIVIL STATE OF CALIFORNIA

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

RRFB PLANS

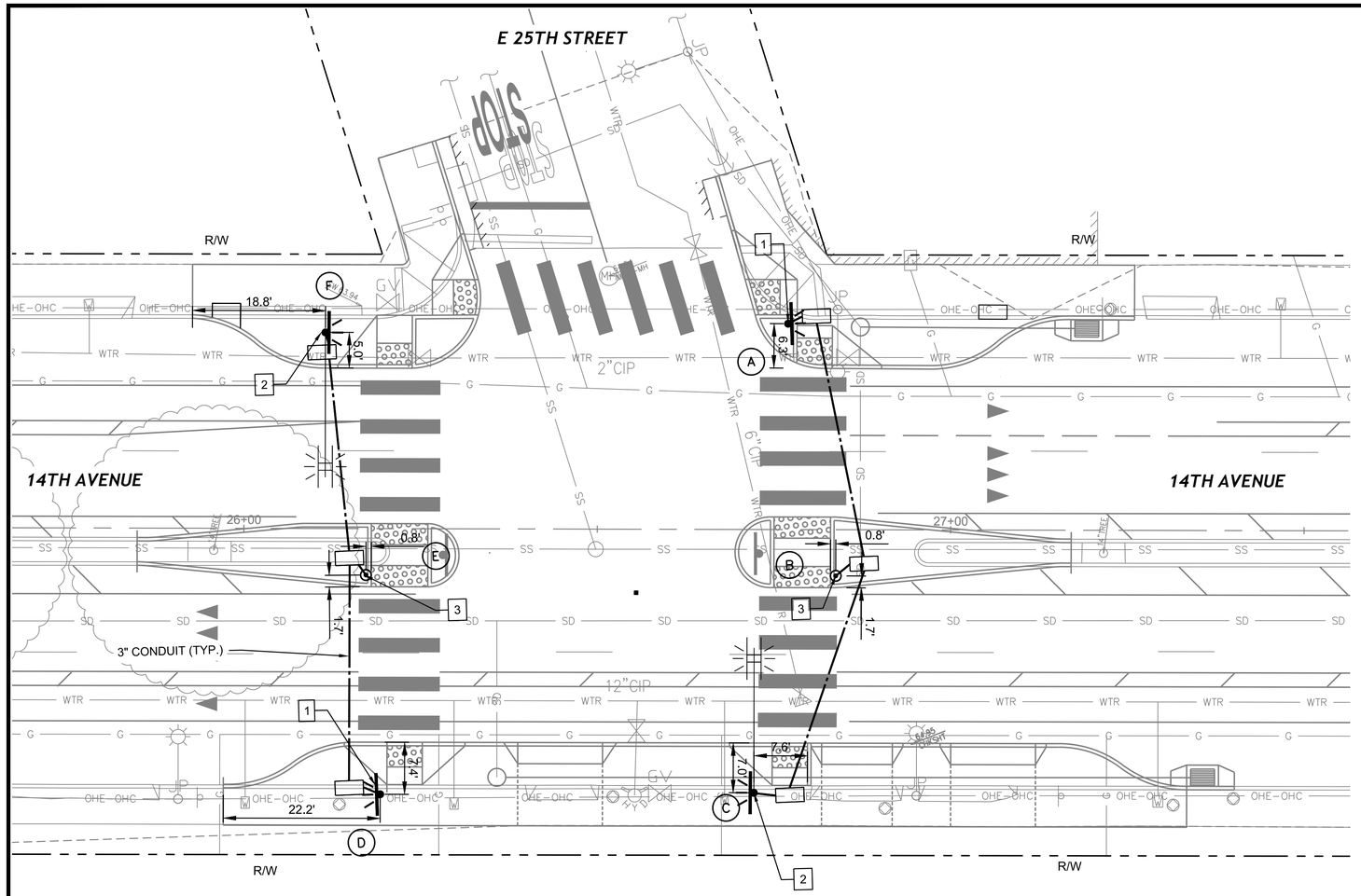
PROJECT NO. 1004251

SCALE: 1"=20'
HOR:
VERT:
DATE: 7/11/2024

SHEET NO. TS-04
83 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Signal.dwg
PLOT DATE: 07-11-24
PLOTTED BY: Chris-Allen

14TH AVENUE STREETSCAPE



POLE AND EQUIPMENT SCHEDULE

POLE	POLE			APS	DESCRIPTION
	TYPE	HEIGHT	FOUNDATION DETAIL	QUADRANT	
A	1-B	13'-9"	6'-0" DEPTH 2'-6" ø	2	SINGLE-SIDED RRFB WITH APS. SEE DETAIL 1, SHEET TS-12
B	PPB	5'-7"	1'-6" DEPTH 1'-6" ø	4	PPB POST WITH APS CONNECTED TO POLES A AND C
C	16-1-100	18'-6"	9'-0" DEPTH 3'-0" ø	2	DOUBLE-SIDED RRFB WITH APS. SEE DETAIL 1, SHEET TS-13
D	1-B	13'-9"	6'-0" DEPTH 2'-6" ø	2	SINGLE-SIDED RRFB WITH APS. SEE DETAIL 1, SHEET TS-12
E	PPB	5'-7"	1'-6" DEPTH 1'-6" ø	2	PPB POST WITH APS CONNECTED TO POLES A AND C
F	16-1-100	18'-6"	9'-0" DEPTH 3'-0" ø	2	DOUBLE-SIDED RRFB WITH APS. SEE DETAIL 1, SHEET TS-13

CONSTRUCTION NOTES (THIS SHEET ONLY):

1. FURNISH AND INSTALL WIRELESS SOLAR, LED RECTANGULAR RAPID FLASHING BEACON (RRFB) CROSSWALK SYSTEM ON NEW CONTRACTOR FURNISHED AND INSTALLED STANDARD TYPE 1B POLE PER DETAIL 1, SHEET TS-12. SYSTEM COMPONENTS SHALL INCLUDE BUT NOT LIMITED TO: SOLAR PANEL, BATTERY, AND CONTROLLER WITH RADIO COMMUNICATION CAPABILITY. FURNISH AND INSTALL RRFB [SINGLE-SIDED]. FURNISH AND INSTALL APS ASSEMBLY, WITH R62E(CA) SIGNAGE. PUSH BUTTON SHALL BE LOCATED ON POLE QUADRANT PER POLE SCHEDULE, THIS SHEET. FURNISH AND INSTALL W11-2 "PEDESTRIAN XING" SIGN AND W16-7P "ARROW" SIGN [SINGLE-SIDED]. THE CONTRACTOR SHALL VERIFY ALL EQUIPMENT LOCATIONS IN THE FIELD WITH THE CITY INSPECTOR PRESENT.

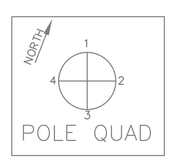
2. FURNISH AND INSTALL WIRELESS SOLAR, LED RECTANGULAR RAPID FLASHING BEACON (RRFB) CROSSWALK SYSTEM ON NEW CONTRACTOR FURNISHED AND INSTALLED STANDARD TYPE 16-1-100 POLE. PER DETAIL 1, SHEET TS-13. SYSTEM COMPONENTS SHALL INCLUDE BUT NOT LIMITED TO: SOLAR PANEL, BATTERY, AND CONTROLLER WITH RADIO COMMUNICATION CAPABILITY. FURNISH AND INSTALL APS ASSEMBLY, WITH R62E(CA) SIGNAGE. PUSH BUTTON SHALL BE LOCATED ON POLE QUADRANT PER POLE SCHEDULE, THIS SHEET.THE CONTRACTOR SHALL VERIFY ALL EQUIPMENT LOCATIONS IN THE FIELD WITH THE CITY INSPECTOR PRESENT.

3. FURNISH AND INSTALL PUSH BUTTON ASSEMBLY POST, FOUNDATION, AND APS ASSEMBLY PER CALTRANS STD PLAN ES-7A.

RRFB INSTALLATION PLAN
14TH AVENUE @ E 25TH STREET
(1"=10')

ADA PUSH BUTTON AND APS NOTE:

ADA PUSH BUTTON HEIGHTS SHALL BE INSTALLED AT 40" MAX VERTICALLY O.C. FROM ACCESSIBLE PEDESTRIAN WALKWAY. FURNISH APS WITH TOUCHLESS ACTIVATION OPTION.



LEGEND:

SINGLE-SIDED RRFB

DOUBLE-SIDED RRFB

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DRAWN BY	JP

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

RRFB PLANS

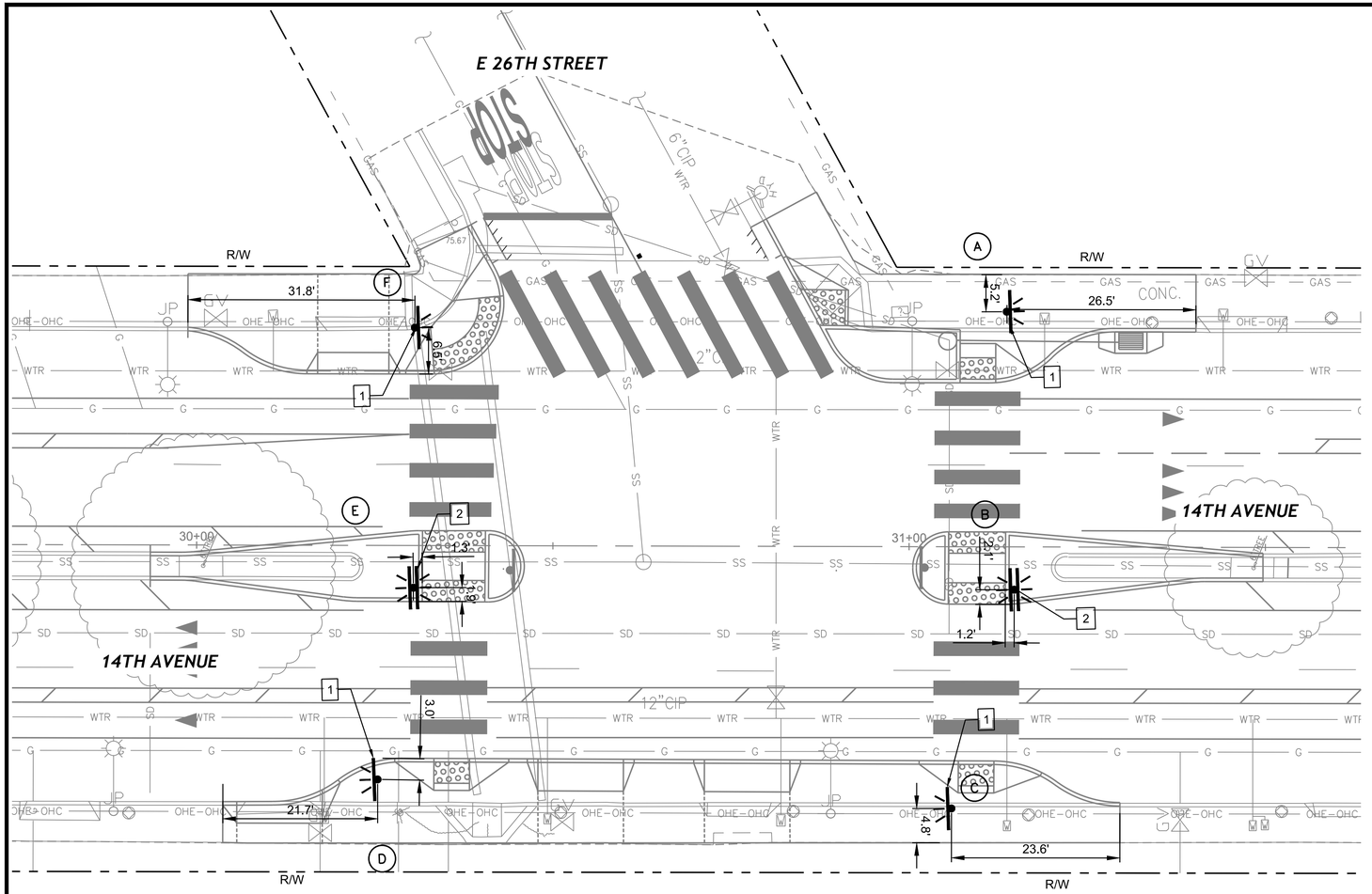
PROJECT NO. 1004251

SCALE: 1"=20'
HOR:
VERT:
DATE: 7/11/2024

SHEET NO. TS-05
84 OF 100

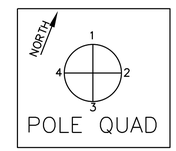
DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Signal.dwg
PLOT DATE: 07-11-24
PLOTTED BY: Chris-Allen

14TH AVENUE STREETSCAPE



POLE AND EQUIPMENT SCHEDULE

POLE	POLE			APS	DESCRIPTION
	TYPE	HEIGHT	FOUNDATION DETAIL	QUADRANT	
A	1-B	13'-9"	6'-0" DEPTH 2'-6" ø	4	SINGLE-SIDED RRFB WITH APS. SEE DETAIL 1, SHEET TS-12
B	1-B	13'-9"	6'-0" DEPTH 2'-6" ø	4	DOUBLE-SIDED RRFB WITH APS. SEE DETAIL 1, SHEET TS-12
C	1-B	13'-9"	6'-0" DEPTH 2'-6" ø	4	SINGLE-SIDED RRFB WITH APS. SEE DETAIL 1, SHEET TS-12
D	1-B	13'-9"	6'-0" DEPTH 2'-6" ø	2	SINGLE-SIDED RRFB WITH APS. SEE DETAIL 1, SHEET TS-12
E	1-B	13'-9"	6'-0" DEPTH 2'-6" ø	2	DOUBLE-SIDED RRFB WITH APS. SEE DETAIL 1, SHEET TS-12
F	1-B	13'-9"	6'-0" DEPTH 2'-6" ø	2	SINGLE-SIDED RRFB WITH APS. SEE DETAIL 1, SHEET TS-12



LEGEND:

SINGLE-SIDED RRFB

DOUBLE-SIDED RRFB

CONSTRUCTION NOTES (THIS SHEET ONLY):

1. FURNISH AND INSTALL WIRELESS SOLAR, LED RECTANGULAR RAPID FLASHING BEACON (RRFB) CROSSWALK SYSTEM ON NEW CONTRACTOR FURNISHED AND INSTALLED STANDARD TYPE 1B POLE PER DETAIL 1, SHEET TS-12. SYSTEM COMPONENTS SHALL INCLUDE BUT NOT LIMITED TO: SOLAR PANEL, BATTERY, AND CONTROLLER WITH RADIO COMMUNICATION CAPABILITY. FURNISH AND INSTALL RRFB [SINGLE-SIDED]. FURNISH AND INSTALL APS ASSEMBLY, WITH R62E(CA) SIGNAGE. PUSH BUTTON SHALL BE LOCATED ON POLE QUADRANT PER POLE SCHEDULE, THIS SHEET. FURNISH AND INSTALL W11-2 "PEDESTRIAN XING" SIGN AND W16-7P "ARROW" SIGN [SINGLE-SIDED]. THE CONTRACTOR SHALL VERIFY ALL EQUIPMENT LOCATIONS IN THE FIELD WITH THE CITY INSPECTOR PRESENT.

2. FURNISH AND INSTALL WIRELESS SOLAR, LED RECTANGULAR RAPID FLASHING BEACON (RRFB) CROSSWALK SYSTEM ON NEW CONTRACTOR FURNISHED AND INSTALLED STANDARD TYPE 1B POLE PER DETAIL 1, SHEET TS-12. SYSTEM COMPONENTS SHALL INCLUDE BUT NOT LIMITED TO: SOLAR PANEL, BATTERY, AND CONTROLLER WITH RADIO COMMUNICATION CAPABILITY. FURNISH AND INSTALL RRFB [DOUBLE-SIDED]. FURNISH AND INSTALL APS ASSEMBLY, WITH R62E(CA) SIGNAGE. PUSH BUTTON SHALL BE LOCATED ON POLE QUADRANT PER POLE SCHEDULE, THIS SHEET. FURNISH AND INSTALL W11-2 "PEDESTRIAN XING" SIGN AND W16-7P "ARROW" SIGN [DOUBLE-SIDED]. THE CONTRACTOR SHALL VERIFY ALL EQUIPMENT LOCATIONS IN THE FIELD WITH THE CITY INSPECTOR PRESENT.

RRFB INSTALLATION PLAN
14TH AVENUE @ E 26TH STREET
(1"=10')

ADA PUSH BUTTON AND APS NOTE:

ADA PUSH BUTTON HEIGHTS SHALL BE INSTALLED AT 40" MAX VERTICALLY O.C. FROM ACCESSIBLE PEDESTRIAN WALKWAY. FURNISH APS WITH TOUCHLESS ACTIVATION OPTION.

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DRAWN BY	JP

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

RRFB PLANS

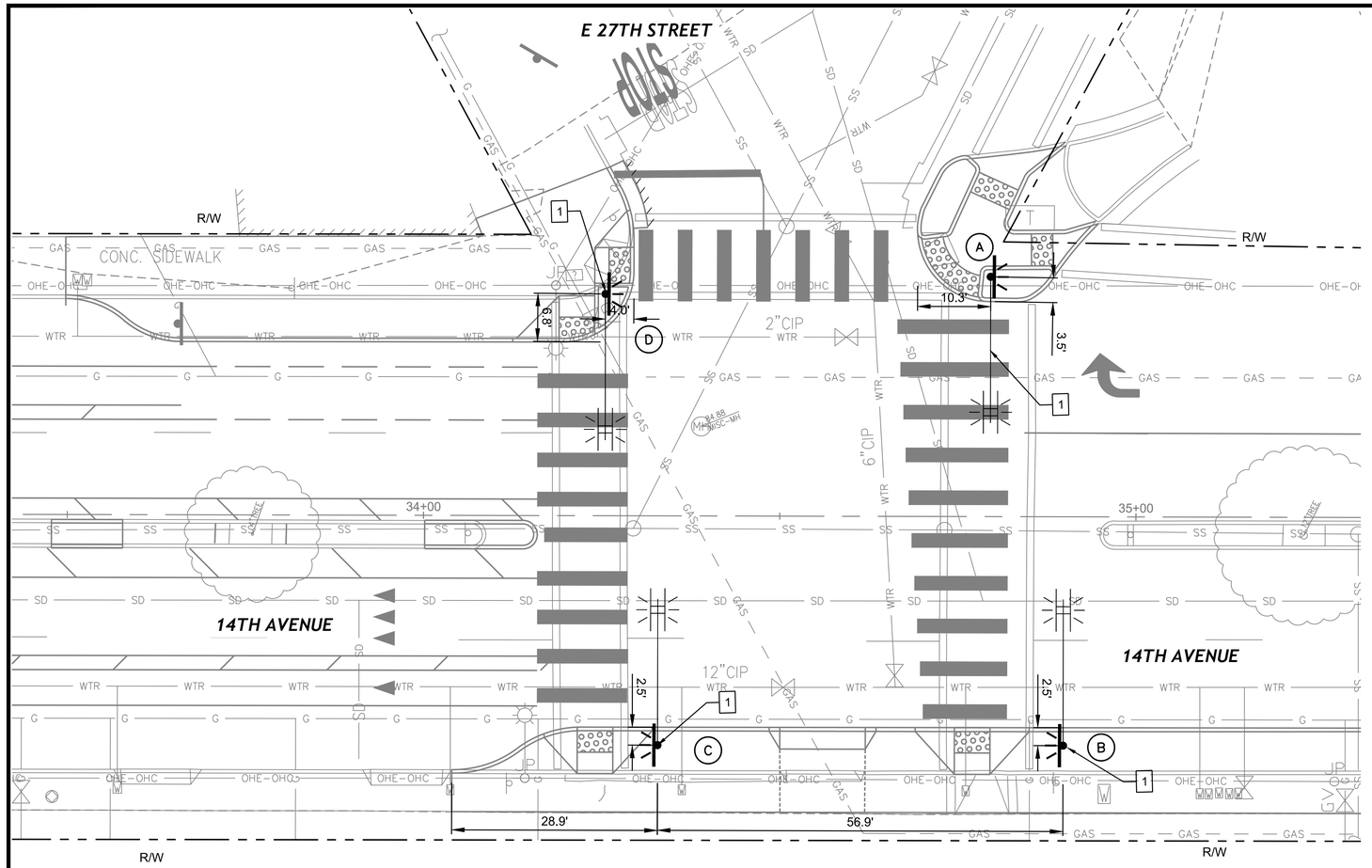
PROJECT NO. 1004251

SCALE: 1"=20'
HOR:
VERT:
DATE: 7/11/2024

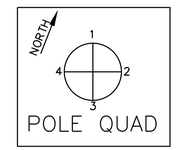
SHEET NO. TS-06
85 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\20-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Signal.dwg
PLOT DATE: 07-11-24
PLOTTED BY: Chris-Allen

14TH AVENUE STREETSCAPE



POLE AND EQUIPMENT SCHEDULE					
POLE	POLE			APS	DESCRIPTION
	TYPE	HEIGHT	FOUNDATION DETAIL	QUADRANT	
A	16-1-100	18'-6"	9'-0" DEPTH 3'-0" ø	4	DOUBLE-SIDED RRFB WITH APS. SEE DETAIL 1, SHEET TS-13
B	16-1-100	18'-6"	9'-0" DEPTH 3'-0" ø	4	DOUBLE-SIDED RRFB WITH APS. SEE DETAIL 1, SHEET TS-13
C	16-1-100	18'-6"	9'-0" DEPTH 3'-0" ø	4	DOUBLE-SIDED RRFB WITH APS. SEE DETAIL 1, SHEET TS-13
D	16-1-100	18'-6"	9'-0" DEPTH 3'-0" ø	4	DOUBLE-SIDED RRFB WITH APS. SEE DETAIL 1, SHEET TS-13



LEGEND:

SINGLE-SIDED RRFB

DOUBLE-SIDED RRFB

CONSTRUCTION NOTES (THIS SHEET ONLY):

1. FURNISH AND INSTALL WIRELESS SOLAR, LED RECTANGULAR RAPID FLASHING BEACON (RRFB) CROSSWALK SYSTEM ON NEW CONTRACTOR FURNISHED AND INSTALLED STANDARD TYPE 16-1-100 POLE. PER DETAIL 1, SHEET TS-13. SYSTEM COMPONENTS SHALL INCLUDE BUT NOT LIMITED TO: SOLAR PANEL, BATTERY, AND CONTROLLER WITH RADIO COMMUNICATION CAPABILITY. FURNISH AND INSTALL APS ASSEMBLY, WITH R62E(CA) SIGNAGE. PUSH BUTTON SHALL BE LOCATED ON POLE QUADRANT PER POLE SCHEDULE, THIS SHEET.THE CONTRACTOR SHALL VERIFY ALL EQUIPMENT LOCATIONS IN THE FIELD WITH THE CITY INSPECTOR PRESENT.

NOTE: W11-2 SIGNS ON DETAIL 1, SHEET TS-13 AT THESE LOCATIONS SHALL BE REPLACED WITH S1-1 SIGNS.

RRFB INSTALLATION PLAN
14TH AVENUE @ E 27TH STREET
(1"=10')

ADA PUSH BUTTON AND APS NOTE:

ADA PUSH BUTTON HEIGHTS SHALL BE INSTALLED AT 40" MAX VERTICALLY O.C. FROM ACCESSIBLE PEDESTRIAN WALKWAY. FURNISH APS WITH TOUCHLESS ACTIVATION OPTION.

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DRAWN BY	JP

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

RRFB PLANS

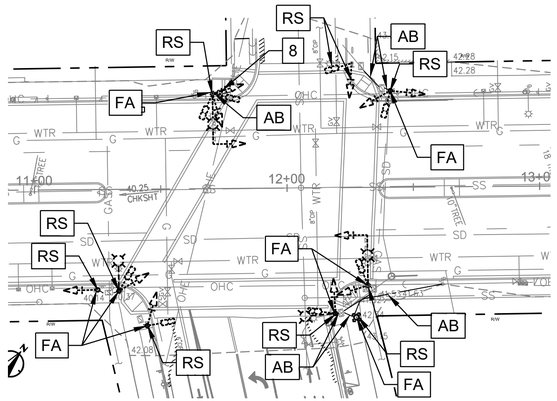
PROJECT NO. 1004251

SCALE: 1"=20'
HOR:
VERT:
DATE: 7/11/2024

SHEET NO. TS-07
86 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Signal.dwg
PLOT DATE: 07-11-24
PLOTTED BY: Chris-Allen

14TH AVENUE STREETSCAPE



EXISTING EQUIPMENT TO BE REMOVED AND SALVAGED
14TH AVENUE @ E 21ST STREET
(1"=10')

QUANTITIES OF EXISTING TO BE REMOVED

1. 1 TRAFFIC SIGNAL CONTROLLER AND CABINET
2. 3 TYPE 1-A POLE
3. 2 TYPE 15TS POLE WITH LUMINAIRE ARM
4. 2 TYPE 17 POLE WITH MAST ARM AND LUMINAIRE ARM
5. 4 LUMINAIRES
6. 8 PEDESTRIAN SIGNAL HEADS
7. 8 PEDESTRIAN PUSH BUTTONS
8. 12 VEHICLE SIGNAL HEADS

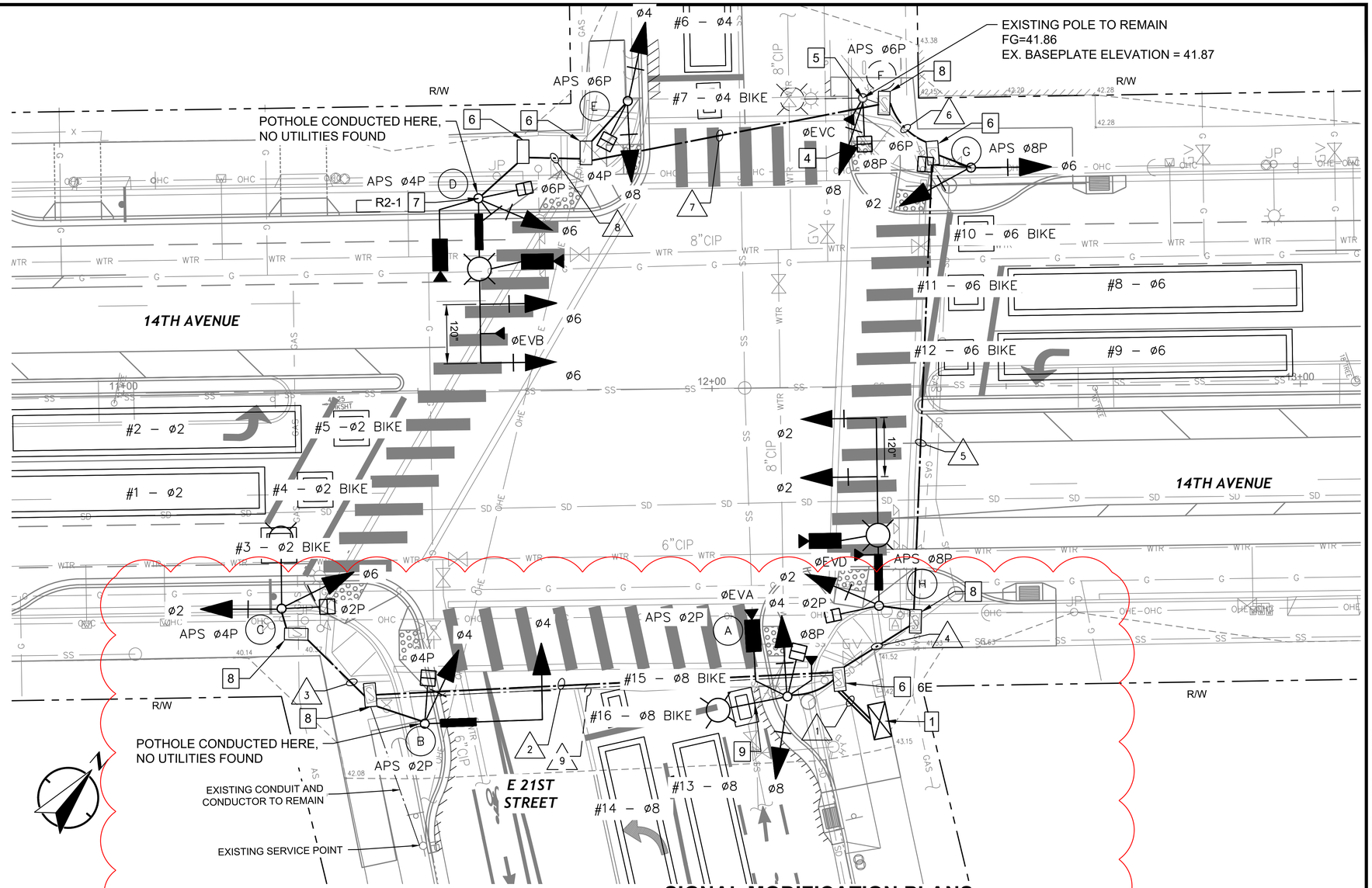
CONSTRUCTION NOTES (THIS SHEET ONLY):

1. FURNISH AND INSTALL NEW 332 CABINET AND TYPE 2070LX CONTROLLER ASSEMBLY. FURNISH AND INSTALL GPS UNIT MOUNTED ON TOP OF THE 332 CABINET. PG&E WILL INSTALL A SERVICE METER ON THE SIDE OF THE 332 CABINET TO CONNECT TO THE POWER SOURCE.
4. INSTALL NEW COUNTDOWN PEDESTRIAN SIGNAL HEAD ON EXISTING POLE IN LOCATION OF REMOVED PEDESTRIAN SIGNAL HEAD (40" O.C. OF BUTTON)
5. INSTALL NEW ACCESSIBLE PEDESTRIAN SYSTEM (APS) ON Ex. POLE IN LOCATION OF REMOVED PEDESTRIAN PUSH BUTTON AT ADA COMPLIANT HEIGHT
6. INSTALL NEW #6 PULLBOX (UNLESS OTHERWISE SPECIFIED)
7. INSTALL NEW SIGN ON SIGNAL POLE
8. REPLACE Ex. PULLBOX WITH NEW #6 PULLBOX (UNLESS OTHERWISE SPECIFIED) AT GRADE. PROTECT IN PLACE ALL AT THE PULLBOX CONDUIT TO REMAIN ACCORDING TO THE CONDUCTOR SCHEDULE.
9. FURNISH AND INSTALL PEU.

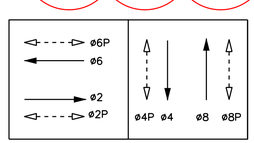
APS ACTIVATION NOTES:

ADA PUSH BUTTON HEIGHTS SHALL BE INSTALLED AT 40" MAX O.C. FROM ACCESSIBLE PEDESTRIAN WALKWAY. APS SHALL BE INSTALLED WITH TOUCHLESS ACTIVATION OPTION.

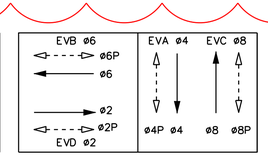
10 0 5 10 20
SCALE PLAN SCALE FEET



SIGNAL MODIFICATION PLANS
14TH AVENUE @ E 21ST STREET
(1"=10')



EXISTING PHASE DIAGRAM



PROPOSED PHASE DIAGRAM

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304 12TH ST, SUITE 2A
OAKLAND, CA 94607
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DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER STEVEN B. FRIESON No. C-42110 CIVIL STATE OF CALIFORNIA

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE
1	08/27/2024	MRF – ALTA	POWER, CABINET, & CONDUIT UPDATES

SIGNAL MODIFICATION PLANS

PROJECT NO. 1004251

SCALE: 1"=10'
HOR:
VERT:
DATE: 7/11/2024

SHEET NO. TS-08
87 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Signal.dwg
PLOT DATE: 08-27-24
PLOTTED BY: Chris Allen

14TH AVENUE STREETSCAPE

POLE AND EQUIPMENT SCHEDULE

POLE	STANDARD TYPE	STANDARD SIG. M.A.	STANDARD LUM. M.A.	VEHICLE SIGNAL MAST ARM MTG	VEHICLE SIGNAL MAST ARM ø	VEHICLE SIGNAL POLE MTG	VEHICLE SIGNAL POLE ø	PED SIGNAL ø	PED SIGNAL MTG	APS ø	APS ARROW	LUM. LED (WATT)	FOUNDATION DETAIL STD. DWG.	VIDEO DETECTION SYSTEM (VDS)	INTERNALLY ILLUMINATED STREET NAME SIGN (IINS)	APS VERBAL MESSAGE STREET BEING CROSSED	APS VERBAL MESSAGE MESSAGE	POLE LOC.* "A"	POLE LOC.* "B"	SPECIAL REQUIREMENTS
Ⓐ	15TS		12'			SV-1-T	ø4, ø8	ø8P	SP-1-T	ø2P	R	110	ES-7A, 7M, 7N, 7O	ø4		EST 21ST STREET	CROSSING EAST 21ST STREET	-10.7'	2.5'	INSTALL VIDEO DETECTION CAMERA ON LUMINAIRE MAST ARM. INSTALL ACCESSIBLE PEDESTRIAN SYSTEM (APS).
Ⓑ	16-2-100	20'		MAS	ø4	SV-1-T	ø4	ø4P	SP-1-T	ø2P	L		ES-7C, 7M, 7N, 7O		14TH AVE	EST 21ST STREET	CROSSING EAST 21ST STREET	-13.3'	2.5'	INSTALL ACCESSIBLE PEDESTRIAN SYSTEM (APS).
Ⓒ	15TS		12'			SV-1-T	ø2, ø6	ø2P	SP-1-T	ø4P	R	110	ES-7A, 7M, 7N, 7O			14TH AVENUE	CROSSING 14TH AVENUE	-13.6'	4.6'	INSTALL ACCESSIBLE PEDESTRIAN SYSTEM (APS).
Ⓓ	19-4-100	30'	12'	MAS	ø6	SV-1-T	ø6	ø6P	SP-1-T	ø4P	L	110	ES-7F, 7M, 7N, 7O	ø6, ø8	E 21ST ST	14TH AVENUE	CROSSING 14TH AVENUE	-18.2'	2.5'	INSTALL VIDEO DETECTION CAMERA ON LUMINAIRE MAST ARMS. INSTALL ACCESSIBLE PEDESTRIAN SYSTEM (APS).
Ⓔ	1-B					TV-2-T	ø4, ø8	ø4P	SP-1-T	ø6P	R		ES-7B, 7M			EST 21ST STREET	CROSSING EAST 21ST STREET	-8.6'	2.5'	INSTALL ACCESSIBLE PEDESTRIAN SYSTEM (APS).
● Ⓕ	Ex.		● 12'			TV-1-T	ø8	ø8P	SP-1-T	ø6P	L	Ex.	Ex.			EST 21ST STREET	CROSSING EAST 21ST STREET	Ex.		REMOVE AND SALVAGE Ex. PEDESTRIAN SIGNAL HEAD AND REPLACE WITH NEW COUNTDOWN PEDESTRIAN SIGNAL HEAD. REMOVE AND SALVAGE Ex. PEDESTRIAN PUSH BUTTON (PPB) AND REPLACE WITH NEW ACCESSIBLE PEDESTRIAN SYSTEM (APS).
Ⓖ	1-B					TV-2-T	ø2, ø6	ø6P	SP-1-T	ø8P	R		ES-7B, 7M			14TH AVENUE	CROSSING 14TH AVENUE	-11.0'	6.8'	INSTALL ACCESSIBLE PEDESTRIAN SYSTEM (APS).
Ⓗ	19-4-100	30'	12'	MAS	ø2	SV-1-T	ø2	ø2P	SP-1-T	ø8P	L	110	ES-7F, 7M, 7N, 7O	ø2	E 21ST ST	14TH AVENUE	CROSSING 14TH AVENUE	-10.3	6.7'	INSTALL VIDEO DETECTION CAMERA ON LUMINAIRE MAST ARM. INSTALL ACCESSIBLE PEDESTRIAN SYSTEM (APS).

NOTES:
EQUIPMENT IN THE ABOVE TABLE IS NEW UNLESS OTHERWISE NOTED.
*ALL POLE LOCATIONS SHOWN ON THESE PLANS ARE APPROXIMATE.
(●) INDICATES EXISTING TO REMAIN, ALL OTHER EXISTING EQUIPMENT TO BE REMOVED
NEW POLES, CABINETS, AND SERVICE PEDESTALS SHALL BE PAINTED GREEN TO MATCH EXISTING EQUIPMENT TO REMAIN

DETECTOR ASSIGNMENT SCHEDULE

NO.	PHASE	SLOT
1	2	I2U
2	2	I2L
3	2B	I3U
4	2B	I3L
5	2B	I4L
6	4	I6U
7	4B	I6L
8	6	J2U
9	6	J2L
10	6B	J3U
11	6B	J3L
12	6B	J4L
13	8	J7U
14	8	J7L
15	8B	J8U
16	8B	J8L
PPB	2	I12U
PPB	4	I12L
PPB	6	I13U
PPB	8	I13L
EVA	4	J13U
EVB	6	J12L
EVC	8	J13L
EVD	2	J12U
FLASH	–	I14U

12C #14 TS ASSIGNMENTS

POLE	PHASE	CABLE(S)	CONDUCTOR No.	SPLICE CHAMBERS
Ⓐ	ø4	A	1-5-3	A
	ø8		2-6-4	
	ø8P		7-8	
	NUETRAL		12	
	SPARE		9,10,11	
Ⓑ	ø4	B	1-5-3, 2-6-4	B
	ø4P		7-8	
	NUETRAL		12	
	SPARE		9,10,11	
Ⓒ	ø6	C	1-5-3	C
	ø2P		2-6-8	
	ø2P		7-8	
	NUETRAL		12	
	SPARE		9,10,11	
Ⓓ	ø6	H	1-5-3, 2-6-4	H
	ø6P		7-8	
	NUETRAL		12	
	SPARE		9,10,11	

12C #14 TS ASSIGNMENTS

POLE	PHASE	CABLE(S)	CONDUCTOR No.	SPLICE CHAMBERS
Ⓔ	ø4	G	1-5-3	G
	ø8		2-6-4	
	ø4P		7-8	
	NUETRAL		12	
	SPARE		9,10,11	
Ⓕ	ø8	F	1-5-3	F
	ø8P		7-8	
	NUETRAL		12	
	SPARE		2,4,6,9,10,11	
Ⓖ	ø2	E	1-5-3	E
	ø6		2-6-4	
	ø6P		7-8	
	NUETRAL		12	
	SPARE		9,10,11	
Ⓗ	ø2	D	1-5-3, 2-6-4	D
	ø2P		7-8	
	NUETRAL		12	
	SPARE		9,10,11	

CONDUCTOR SCHEDULE

CONDUCTOR DESIGNATION	1	2	3	4	5	6	7	8	9
SIGNAL CABLES 12C#14 TS									
"A" CABLE (ø4, ø8, ø8P)	1								
"B" CABLE (ø4, ø4P)	1	1							
"C" CABLE (ø2, ø6, ø2P)	1	1	1						
"D" CABLE (ø2, ø2P)	1			1					
"E" CABLE (ø2, ø6, ø6P)	1			1	1				
"F" CABLE (ø8, ø8P)	1			1	1	1			
"G" CABLE (ø4, ø8, ø4P)	1			1	1	1	1		
"H" CABLE (ø6, ø6P)	1			1	1	1	1	1	
TOTAL SIGNAL CABLES	8	2	1	5	4	3	2	1	
APS (3#14 W/ GRD)									
APS (ø2P)	2	1							
APS (ø4P)	2	1	1	1	1	1	1	1	
APS (ø6P)	2			2	2	2	1		
APS (ø8P)	2			2	1				
VIDEO DETECTION COAX CABLE									
ø2	1			1					
ø4	1								
ø6	1			1	1	1	1	1	
ø8	1			1	1	1	1	1	
TOTAL COAX CABLES	4			3	2	2	2	2	
VIDEO POWER CABLE	4			3	2	2	2	2	
No. 8 CONDUCTORS									
240V (LIGHTING)	10	2	2	6	4	4	2	2	
EQUIPMENT BOND WIRE	2	1	1	1	1	1	1	1	
TOTAL NO. 8	12	3	3	7	5	5	3	3	
No. 10 CONDUCTORS (IISNS)	6	2		4	2	2	2	2	
No. 6 CONDUCTORS (SERVICE)	2								2
EVP CABLES									
EVA	1								
EVB	1			1	1	1	1	1	
EVC	1			1	1	1			
EVD	1			1					
TOTAL EVP CABLES	4			3	2	2	1	1	
PEU CABLE	3								
CONDUIT SIZE (INCHES)	2 - 3"	1 - 2"	1 - 2"	1 - 3"	1 - 2"	1 - 2"	1 - 2"	1-2"	1 - 2"
CONDUIT FILL (%)	17%	11%	8%	18%	28%	27%	19%	17%	6%

NOTES:
REMOVE ALL EXISTING CABLES AND CONDUCTORS AND INSTALL ALL NEW CABLES AND CONDUCTORS, UNLESS OTHERWISE NOTED.

△ NEW CONDUIT

EXISTING CONDUIT (CONDUIT SIZE TO BE FIELD VERIFIED BY CONTRACTOR)

alta
304 12TH ST, SUITE 2A
OAKLAND, CA 94607
p:510.540.5008

CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER STEVEN B. FRITSON No. C-42110 CIVIL STATE OF CALIFORNIA

CITY OF OAKLAND
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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE
1	08/27/2024	MRF – ALTA	POWER, CABINET, & CONDUIT UPDATES

SIGNAL MODIFICATION PLANS

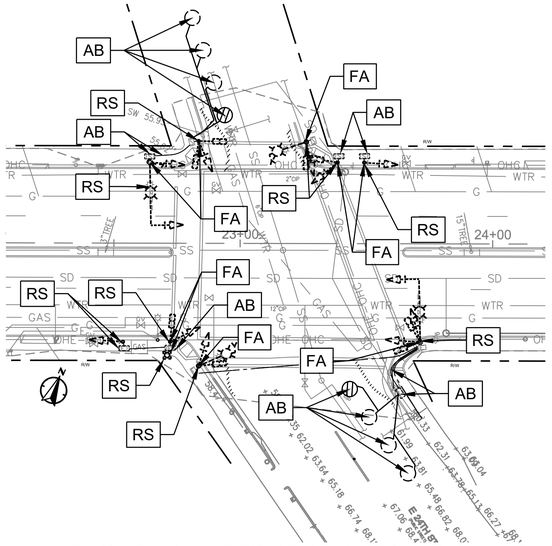
PROJECT NO. 1004251

SCALE: 1"=10'
HOR:
VERT:
DATE: 7/11/2024

SHEET NO. TS-09
88 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Signal.dwg
PLOT DATE: 08-27-24
PLOTTED BY: Chris-Allen

14TH AVENUE STREETSCAPE



EXISTING EQUIPMENT TO BE REMOVED AND SALVAGED
14TH AVENUE @ E 24TH STREET
(1"=10')

QUANTITIES OF EXISTING TO BE REMOVED

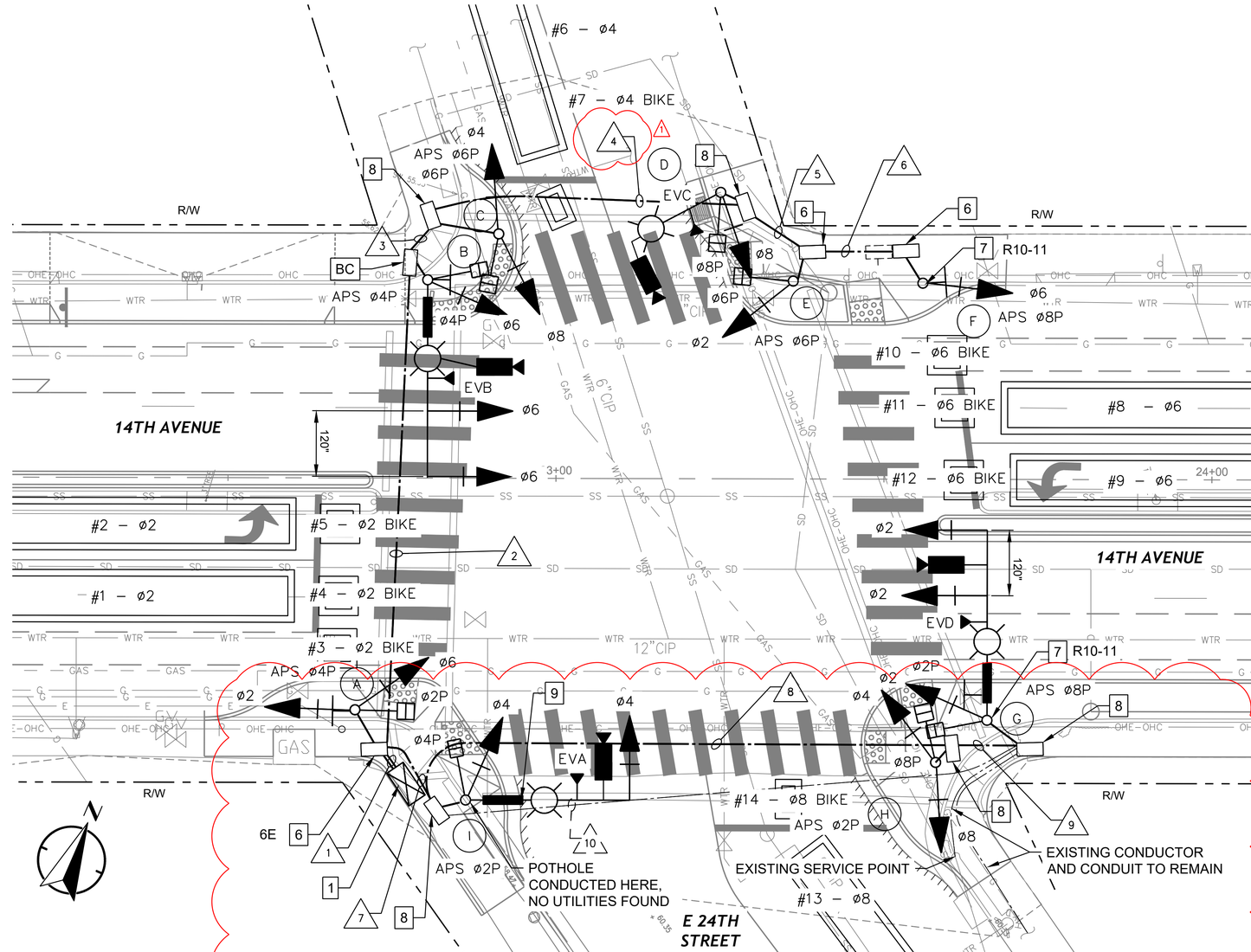
1. 1 TRAFFIC SIGNAL CONTROLLER AND CABINET
2. 5 TYPE 1-B POLES
3. 2 TYPE 15TS POLES
4. 2 TYPE 17 POLES WITH MAST ARM AND LUMINAIRE ARM
5. 4 LUMINAIRES
6. 8 PEDESTRIAN SIGNAL HEADS
7. 8 PEDESTRIAN PUSH BUTTONS
8. 12 VEHICLE SIGNAL HEADS

CONSTRUCTION NOTES (THIS SHEET ONLY):

1. FURNISH AND INSTALL NEW TYPE 332 CABINET AND TYPE 2070LX CONTROLLER ASSEMBLY. FURNISH AND INSTALL GPS UNIT MOUNTED ON TOP OF THE 332 CABINET. PG&E WILL INSTALL A SERVICE METER ON THE SIDE OF THE 332 CABINET TO CONNECT TO THE POWER SOURCE.
5. INSTALL NEW ACCESSIBLE PEDESTRIAN SYSTEM (APS) ON Ex. POLE IN LOCATION OF REMOVED PEDESTRIAN PUSH BUTTON
6. INSTALL NEW #6 PULLBOX (UNLESS OTHERWISE SPECIFIED)
7. INSTALL NEW SIGN ON SIGNAL POLE
8. REPLACE Ex. PULLBOX WITH NEW #6 PULLBOX (UNLESS OTHERWISE SPECIFIED) AT GRADE. PROTECT IN PLACE ALL AT THE PULLBOX CONDUIT TO REMAIN ACCORDING TO THE CONDUCTOR SCHEDULE.
9. FURNISH AND INSTALL PEU.

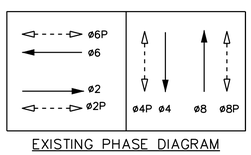
APS ACTIVATION NOTES:

ADA PUSH BUTTON HEIGHTS SHALL BE INSTALLED AT 40" MAX O.C. FROM ACCESSIBLE PEDESTRIAN WALKWAY. APS SHALL BE INSTALLED WITH TOUCHLESS ACTIVATION OPTION.

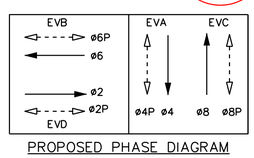


SIGNAL MODIFICATION PLANS
14TH AVENUE @ E 24TH STREET
(1"=10')

SCALE 10 0 5 10 20 FEET — PLAN SCALE



EXISTING PHASE DIAGRAM



PROPOSED PHASE DIAGRAM

alta
304 12TH ST, SUITE 2A
OAKLAND, CA 94607
p:510.540.5008

CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER STEVEN B. FRIESON No. C-42110 CIVIL STATE OF CALIFORNIA

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE
1	08/27/2024	MRF – ALTA	POWER, CABINET, & CONDUIT UPDATES. ADD PEU.

SIGNAL MODIFICATION PLANS

PROJECT NO. 1004251

SCALE: 1"=20'
HOR:
VERT:
DATE: 7/11/2024

SHEET NO. TS-10
89 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Signal.dwg
PLOT DATE: 08-27-24
PLOTTED BY: Chris Allen

14TH AVENUE STREETSCAPE

POLE AND EQUIPMENT SCHEDULE

POLE	STANDARD			VEHICLE SIGNAL				PED SIGNAL		APS		LUM. LED (WATT)	FOUNDATION DETAIL STD. DWG.	VIDEO DETECTION SYSTEM (VDS)	INTERNALLY ILLUMINATED STREET NAME SIGN (IINS)	APS VERBAL MESSAGE		POLE LOC.*		SPECIAL REQUIREMENTS
	TYPE	SIG. M.A.	LUM. M.A.	MAST ARM		POLE										STREET BEING CROSSED	MESSAGE	"A"	"B"	
				MTG	ø	MTG	ø	ø	MTG	ø	ARROW									
Ⓐ	1-B					SV-2-T	ø2, ø6	ø2P	SP-1-T	ø4P	R		ES-7B, 7M			14TH AVENUE	CROSSING 14TH AVENUE	-9.7'	4.8'	INSTALL ACCESSIBLE PEDESTRIAN SYSTEM (APS).
Ⓑ	19-4-100	30'	12'	MAS	ø6	SV-1-T	ø6	ø6P	SP-1-T	ø4P	L	110	ES-7F, 7M, 7N, 7O	ø6	E 24TH ST	14TH AVENUE	CROSSING 14TH AVENUE	-1.9'	6.8'	INSTALL VIDEO DETECTION CAMERA ON LUMINAIRE MAST ARM. INSTALL ACCESSIBLE PEDESTRIAN SYSTEM (APS).
Ⓒ	1-B					SV-1-T	ø4, ø8	ø4P	SP-1-T	ø6P	R		ES-7B, 7M			E 24TH STREET	CROSSING EAST 24TH STREET	1.5'	2.5'	INSTALL ACCESSIBLE PEDESTRIAN SYSTEM (APS).
Ⓓ	15TS		12'			SV-1-T	ø8	ø8P	SP-1-T			110	ES-7A, 7M, 7N, 7O	ø8				-13.0'	2.5'	INSTALL VIDEO DETECTION CAMERA ON LUMINAIRE MAST ARM.
Ⓔ	1-B					SV-1-T	ø2	ø6P	SP-1-T	ø6P	R		ES-7B, 7M			E 24TH STREET	CROSSING EAST 24TH STREET	0.0'	6.7'	INSTALL ACCESSIBLE PEDESTRIAN SYSTEM (APS).
Ⓕ	1-B					SV-1-T	ø6			ø8P	R		ES-7B, 7M			14TH AVENUE	CROSSING 14TH AVENUE	-19.8'	4.4'	INSTALL ACCESSIBLE PEDESTRIAN SYSTEM (APS).
Ⓖ	19-4-100	30'	12'	MAS	ø2	SV-1-T	ø2	ø8P	SP-1-T	ø8P	L	110	ES-7F, 7M, 7N, 7O	ø2	E 24TH ST	14TH AVENUE	CROSSING 14TH AVENUE	-9.2'	6.3'	INSTALL VIDEO DETECTION CAMERA ON LUMINAIRE MAST ARM. INSTALL ACCESSIBLE PEDESTRIAN SYSTEM (APS).
Ⓗ	1-B					SV-1-T	ø4, ø8	ø2P	SP-1-T	ø2P	R		ES-7B, 7M			E 24TH STREET	CROSSING EAST 24TH STREET	-3.0'	9.8'	INSTALL ACCESSIBLE PEDESTRIAN SYSTEM (APS).
Ⓘ	19-2-100	25'	12'	MAS	ø4	SV-1-T	ø4	ø4P	SP-1-T	ø2P	L	110	ES-7C, 7M, 7N, 7O	ø4	14TH AVE	E 24TH STREET	CROSSING EAST 24TH STREET	-15.3'	6.2'	INSTALL VIDEO DETECTION CAMERA ON LUMINAIRE MAST ARM. INSTALL ACCESSIBLE PEDESTRIAN SYSTEM (APS).

NOTES:
EQUIPMENT IN THE ABOVE TABLE IS NEW UNLESS OTHERWISE NOTED.
ALL POLE LOCATIONS SHOWN ON THESE PLANS ARE APPROXIMATE.
(●) INDICATES EXISTING TO REMAIN, ALL OTHER EXISTING EQUIPMENT TO BE REMOVED
NEW POLES, CABINETS, AND SERVICE PEDESTALS SHALL BE PAINTED GREEN TO MATCH EXISTING EQUIPMENT TO REMAIN
REFRESH PAINT ON EQUIPMENT TO REMAIN.

CONDUCTOR SCHEDULE

CONDUCTOR DESIGNATION	1	2	3	4	5	6	7	8	9	10
SIGNAL CABLES 12C#14 TS										
"A" CABLE (ø2, ø6, ø2P)	1									
"B" CABLE (ø6, ø6P)	1	1								
"C" CABLE (ø8, ø4, ø4P)	1	1	1							
"D" CABLE (ø8, ø8P)	1	1	1	1						
"E" CABLE (ø2, ø6, ø6P)	1	1	1	1	1	1				
"F" CABLE (ø2, ø6P)	1						1	1	1	
"G" CABLE (ø4, ø8, ø8P)	1						1	1	1	
"H" CABLE (ø4, ø4P)	1						1		1	
TOTAL SIGNAL CABLES	8	4	3	2	1	1	3	2	3	
APS (3#14 W/ GRD)										
APS (ø2P)	2						1	1	2	
APS (ø4P)	2	1					1			
APS (ø6P)	2	2	1	1	1	1				
APS (ø8P)	2	1	1	1	1	1	1	1	1	
TOTAL APS CABLES	8	4	2	2	2	2	3	2	3	
VIDEO DETECTION COAX CABLE										
ø2	1						1	1	1	
ø4	1						1			
ø6	1	1								
ø8	1	1	1	1						
TOTAL COAX CABLES	4	2	1	1			2	1	1	
VIDEO POWER CABLE	4	2	1	1			2	1	1	
No. 8 CONDUCTORS										
240V (LIGHTING)	8	4	2	2			4	2	2	
EQUIPMENT BOND WIRE	1	1	1	1	1	1	1	1	1	
TOTAL NO. 8	9	5	3	3	1	1	5	3	3	
No. 10 CONDUCTORS (IISNS)	6	2					4	2	2	
No. 6 CONDUCTORS (SERVICE)	2									2
EVP CABLES										
EVA	1						1			
EVB	1	1								
EVC	1	1	1	1						
EVD	1						1	1	1	
TOTAL EVP CABLES	4	2	1	1			2	1	1	
PEU CABLE	3									
CONDUIT SIZE (INCHES)	2 - 3"	1 - 2"	1 - 2"	1 - 2"	1 - 2"	1 - 2"	1 - 3"	1 - 2"	1 - 2"	1 - 2"
CONDUIT FILL (%)	15%	28%	15%	15%	5%	5%	13%	17%	18%	6%

NOTES:
REMOVE ALL EXISTING CABLES AND CONDUCTORS AND INSTALL ALL NEW CABLES AND CONDUCTORS, UNLESS OTHERWISE NOTED.

△ EXISTING CONDUIT (CONDUIT SIZE TO BE FIELD VERIFIED BY CONTRACTOR)

△ NEW CONDUIT

1

DETECTOR ASSIGNMENT SCHEDULE

NO.	PHASE	SLOT
1	2	12U
2	2	12L
3	2B	13U
4	2B	13L
5	2B	14L
6	4	16U
7	4B	16L
8	6	J2U
9	6	J2L
10	6B	J3U
11	6B	J3L
12	6B	J4L
13	8	J7U
14	8B	J8U
PPB	2	112U
PPB	4	112L
PPB	6	113U
PPB	8	113L
EVA	4	J13U
EVB	6	J12L
EVC	8	J13L
EVD	2	J12U
FLASH	–	114U

12C #14 TS ASSIGNMENTS

POLE	PHASE	CABLE(S)	CONDUCTOR No.	SPLICE CHAMBERS
Ⓐ	ø6	A	1-5-3	A
	ø2		2-6-4	
	ø2P		7-8	
	NUETRAL		12	
	SPARE		9,10,11	
Ⓑ	ø6	B	1-5-3, 2-6-4	B
	ø6P		7-8	
	NUETRAL		12	
	SPARE		9,10,11	
Ⓒ	ø4	C	1-5-3	C
	ø8		2-6-4	
	ø4P		7-8	
	NUETRAL		12	
	SPARE		9,10,11	
Ⓓ	ø8	D	2-6-4	D
	ø8P		9-10	
	NUETRAL		12	
	SPARE		1,3,5,7,8,11	
Ⓔ	ø2	E	1-5-3	E
	ø6P		7-8	
	NUETRAL		12	
	SPARE		11	
Ⓕ	ø6	E	2-6-4	E
	NUETRAL		12	
	SPARE		9,10	

12C #14 TS ASSIGNMENTS

POLE	PHASE	CABLE(S)	CONDUCTOR No.	SPLICE CHAMBERS
Ⓖ	ø6	F	1-5-3, 2-6-4	F
	ø2P		7-8	
	NUETRAL		12	
	SPARE		9,10,11	
Ⓗ	ø4	G	1-5-3	G
	ø8		2-6-4	
	ø8P		7-8	
	NUETRAL		12	
	SPARE		9,10,11	
Ⓘ	ø4	H	1-5-3, 2-6-4	H
	ø4P		9-10	
	NUETRAL		12	
	SPARE		11	

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p:510.540.5008

CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER STEVEN B. FRIESON No. C-42110 CIVIL STATE OF CALIFORNIA

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE
1	08/27/2024	MRF – ALTA	POWER, CABINET, & CONDUIT UPDATES

SIGNAL MODIFICATION PLANS

PROJECT NO. 1004251

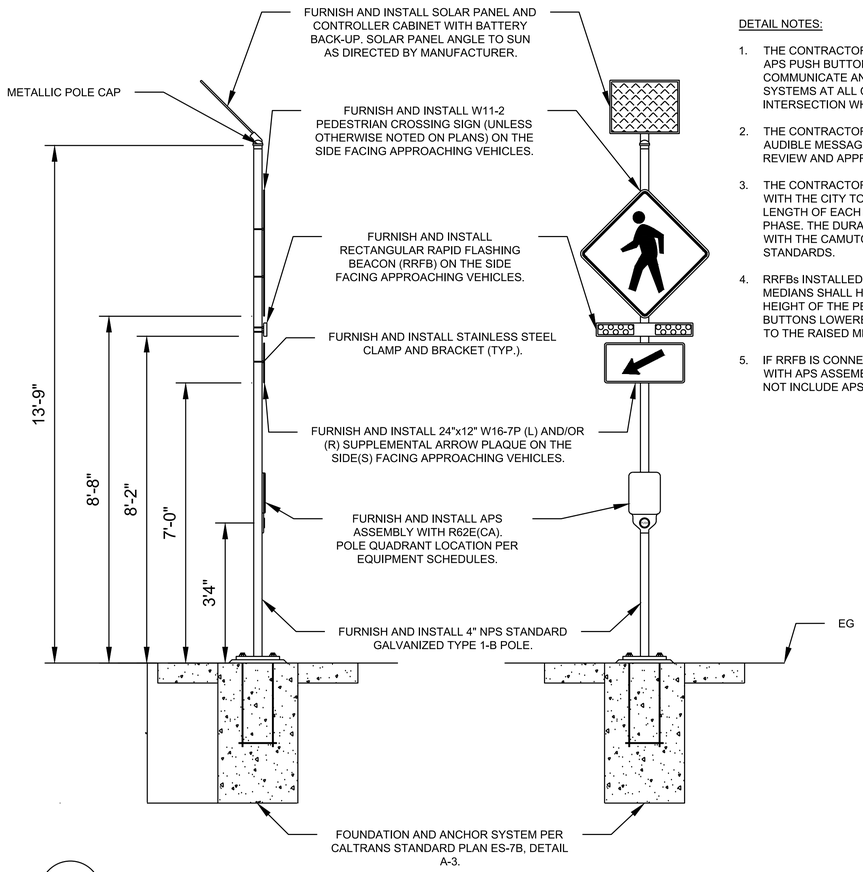
SCALE: 1"=20'
HOR:
VERT:
DATE: 7/11/2024

SHEET NO. TS-11
90 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Signal.dwg
PLOT DATE: 08-27-24
PLOTTED BY: Chris-Allen

14TH AVENUE STREETSCAPE

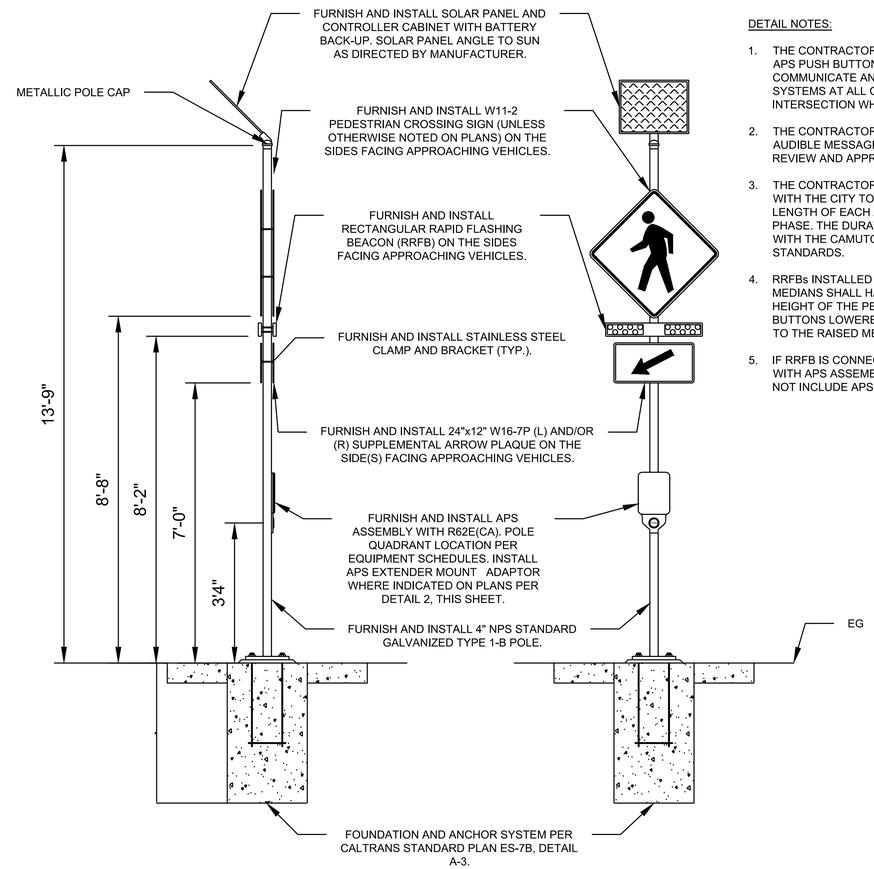
SINGLE SIDED



DETAIL NOTES:

1. THE CONTRACTOR SHALL CONFIGURE THE APS PUSH BUTTON TO WIRELESSLY COMMUNICATE AND ACTUATE ALL RRFB SYSTEMS AT ALL CROSSWALKS AT THE INTERSECTION WHERE INSTALLED.
2. THE CONTRACTOR SHALL SUBMIT ANY AUDIBLE MESSAGES TO THE CITY FOR REVIEW AND APPROVAL.
3. THE CONTRACTOR SHALL COORDINATE WITH THE CITY TO DETERMINE THE LENGTH OF EACH ACTUATED FLASHING PHASE. THE DURATION SHALL COMPLY WITH THE CAMUTCD AND CITY STANDARDS.
4. RRFBs INSTALLED WITHIN RAISED MEDIANS SHALL HAVE THE MOUNTING HEIGHT OF THE PEDESTRIAN PUSH BUTTONS LOWERED BY A HEIGHT EQUAL TO THE RAISED MEDIAN CURB HEIGHT.
5. IF RRFB IS CONNECTED TO PPB POST WITH APS ASSEMBLY, RRFB POST SHALL NOT INCLUDE APS ASSEMBLY.

DOUBLE SIDED

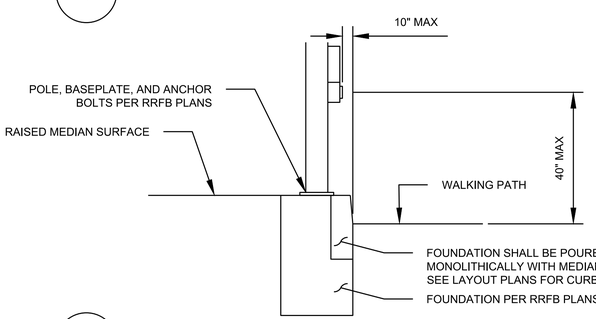


DETAIL NOTES:

1. THE CONTRACTOR SHALL CONFIGURE THE APS PUSH BUTTON TO WIRELESSLY COMMUNICATE AND ACTUATE ALL RRFB SYSTEMS AT ALL CROSSWALKS AT THE INTERSECTION WHERE INSTALLED.
2. THE CONTRACTOR SHALL SUBMIT ANY AUDIBLE MESSAGES TO THE CITY FOR REVIEW AND APPROVAL.
3. THE CONTRACTOR SHALL COORDINATE WITH THE CITY TO DETERMINE THE LENGTH OF EACH ACTUATED FLASHING PHASE. THE DURATION SHALL COMPLY WITH THE CAMUTCD AND CITY STANDARDS.
4. RRFBs INSTALLED WITHIN RAISED MEDIANS SHALL HAVE THE MOUNTING HEIGHT OF THE PEDESTRIAN PUSH BUTTONS LOWERED BY A HEIGHT EQUAL TO THE RAISED MEDIAN CURB HEIGHT.
5. IF RRFB IS CONNECTED TO PPB POST WITH APS ASSEMBLY, RRFB POST SHALL NOT INCLUDE APS ASSEMBLY.

1 RRFB DETAILS

NTS



2 APS PUSH BUTTON LOCATION IN MEDIAN DETAIL

NTS

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304 12TH ST, SUITE 2A
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CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

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DEPARTMENT OF TRANSPORTATION
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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

SIGNAL DETAILS

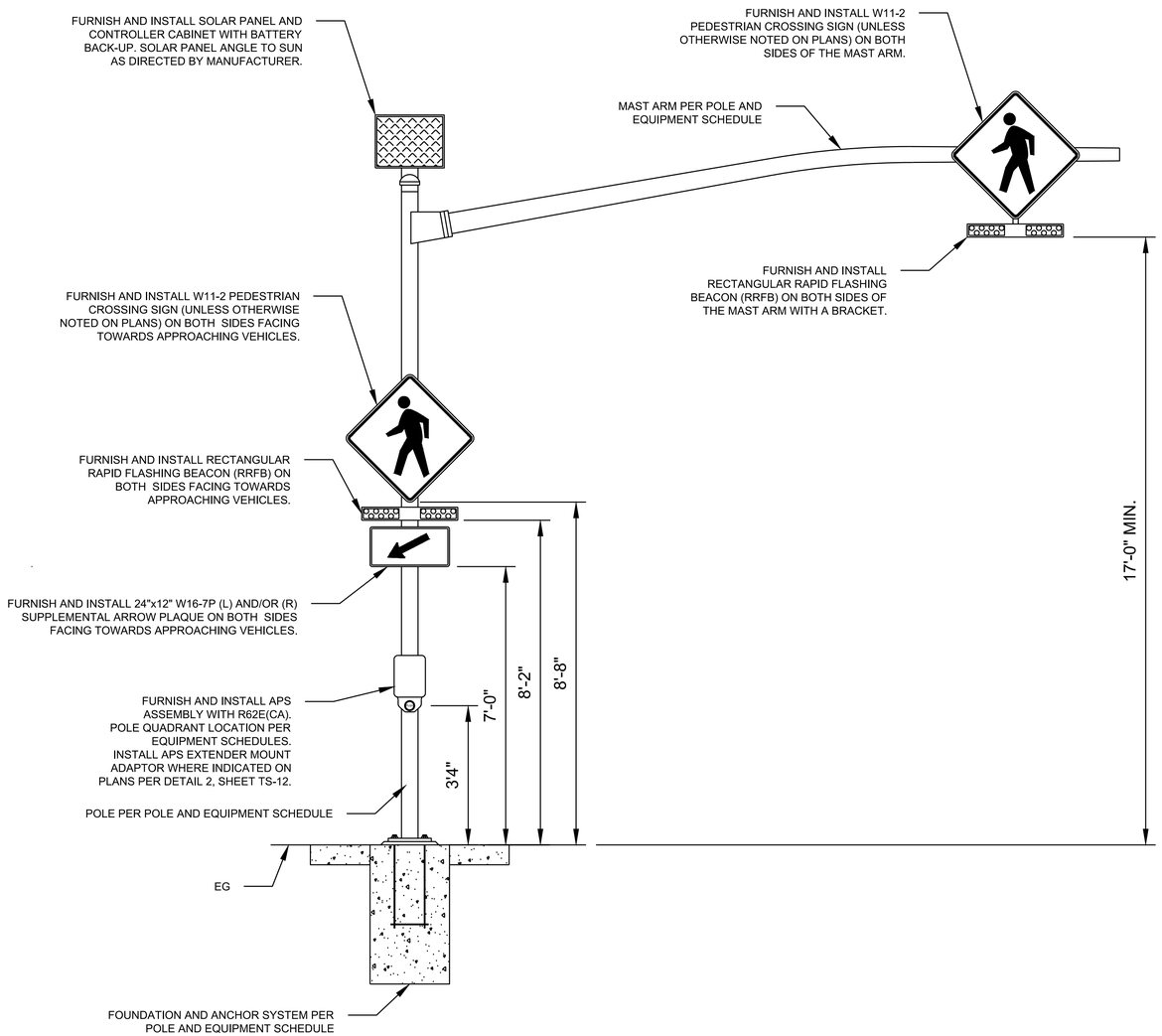
PROJECT NO.
1004251

SCALE: 1"=10'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO.
TS-12
91 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Signal.dwg
PLOT DATE: 10-31-23
PLOTTED BY: emmakatz

14TH AVENUE STREETSCAPE



1 RRFB ON MAST ARM DETAILS

NTS

DETAIL NOTES:

1. THE CONTRACTOR SHALL CONFIGURE THE APS PUSH BUTTON TO WIRELESSLY COMMUNICATE AND ACTUATE ALL RRFB SYSTEMS AT ALL CROSSWALKS AT THE INTERSECTION WHERE INSTALLED.
2. THE CONTRACTOR SHALL SUBMIT ANY AUDIBLE MESSAGES TO THE CITY FOR REVIEW AND APPROVAL.
3. THE CONTRACTOR SHALL COORDINATE WITH THE CITY TO DETERMINE THE LENGTH OF EACH ACTUATED FLASHING PHASE. THE DURATION SHALL COMPLY WITH THE CAMUTCD AND CITY STANDARDS.
4. RRFBs INSTALLED WITHIN RAISED MEDIANS SHALL HAVE THE MOUNTING HEIGHT OF THE PEDESTRIAN PUSH BUTTONS LOWERED BY A HEIGHT EQUAL TO THE RAISED MEDIAN CURB HEIGHT.
5. IF RRFB IS CONNECTED TO PPB POST WITH APS ASSEMBLY, RRFB POST SHALL NOT INCLUDE APS ASSEMBLY.

alta
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OAKLAND, CA 94607
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DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER STEVEN B. FRIESON No. C-42110 CIVIL STATE OF CALIFORNIA

CITY OF OAKLAND
DEPARTMENT OF TRANSPORTATION
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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

SIGNAL DETAILS

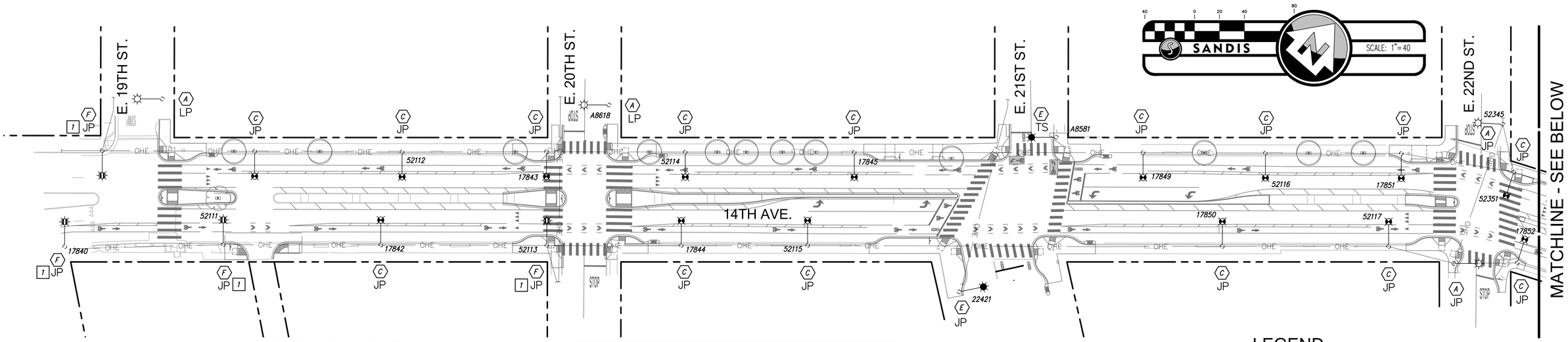
PROJECT NO.
1004251

SCALE: 1"=10'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO.
TS-13
92 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Signal.dwg
PLOT DATE: 10-31-23
PLOTTED BY: emmakatz

14TH AVENUE STREETSCAPE



LIGHTING NOTES

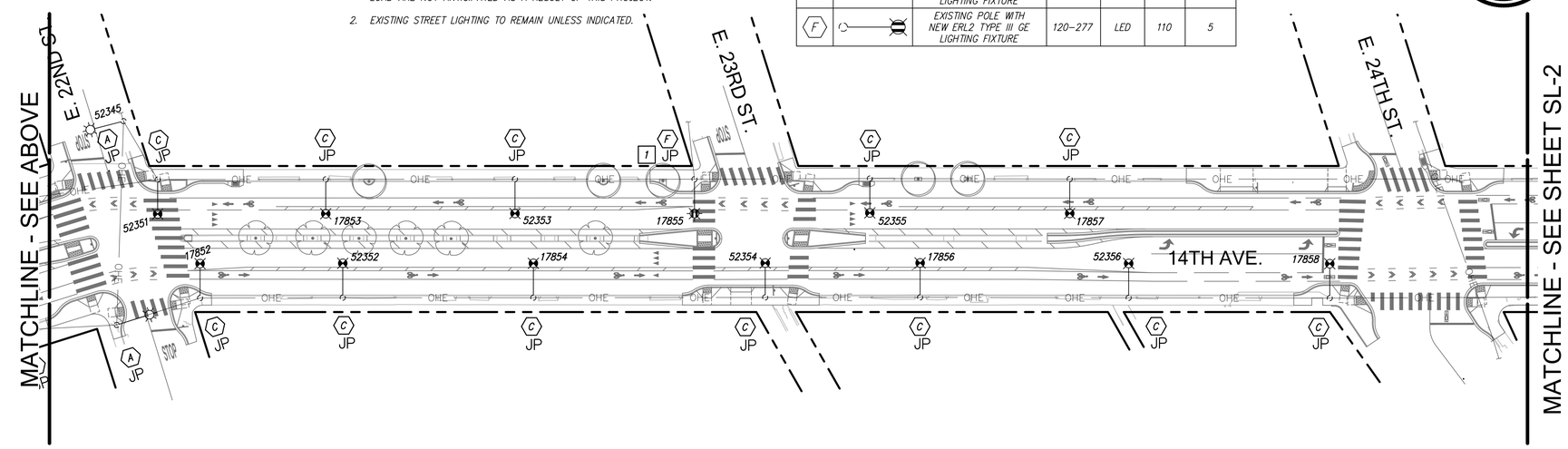
1 INSTALL NEW LIGHTING FIXTURE ON EXISTING LUMINAIRE. SEE LIGHTING FIXTURE SCHEDULE AND LEGEND FOR FIXTURE INFORMATION.

ELECTRICAL LIGHTING NOTES

1. NEW AND EXISTING STREET LIGHTING TO REMAIN ON EXISTING STREET LIGHTING CIRCUIT AND POWER. SIGNIFICANT CHANGES TO LOAD ARE NOT ANTICIPATED AS A RESULT OF THIS PROJECT.
2. EXISTING STREET LIGHTING TO REMAIN UNLESS INDICATED.

LIGHTING FIXTURE SCHEDULE

TYPE	SYMBOL	DESCRIPTION	VOLTAGE	LAMPS	WATTS	QUANTITY
A		EXISTING POLE WITH EXISTING ERL1 TYPE III GE LIGHTING FIXTURE	120–277	LED	57	4
C		EXISTING POLE WITH EXISTING ERL1 TYPE III GE LIGHTING FIXTURE	120–277	LED	92	25
E		EXISTING POLE WITH EXISTING ERL2 TYPE III GE LIGHTING FIXTURE	120–277	LED	110	2
F		EXISTING POLE WITH NEW ERL2 TYPE III GE LIGHTING FIXTURE	120–277	LED	110	5



LEGEND

EXISTING POLE WITH EXISTING GE LIGHTING SOLUTIONS ERL1_07C340 LUMINAIRE

EXISTING POLE WITH EXISTING GE LIGHTING SOLUTIONS ERL1_09C340 LUMINAIRE

EXISTING POLE WITH EXISTING GE LIGHTING SOLUTIONS ERL2_16C340 LUMINAIRE

EXISTING POLE WITH NEW GE LIGHTING SOLUTIONS ERL2_16C340 LUMINAIRE

JP LUMINAIRE MOUNTED ON JOINT POLE

TS LUMINAIRE MOUNTED ON TRAFFIC SIGNAL POLE

LP LUMINAIRE MOUNTED ON LIGHT POLE

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636 9TH STREET
OAKLAND, CA 94607
p:510.873.8866

CHECKED BY	RES
DESIGNED BY	NL
DRAWN BY	GL

REGISTERED PROFESSIONAL ENGINEER RONALD EDMUND SANTO III No. 79305 Exp. 3/31/24 CIVIL STATE OF CALIFORNIA
10/23/2023

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DEPARTMENT OF TRANSPORTATION
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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

LIGHTING PLAN

PROJECT NO. 1004251

SCALE: 1"=40'
HOR:
VERT:
DATE: 10/23/2023

SHEET NO. SL-1
93 OF 100

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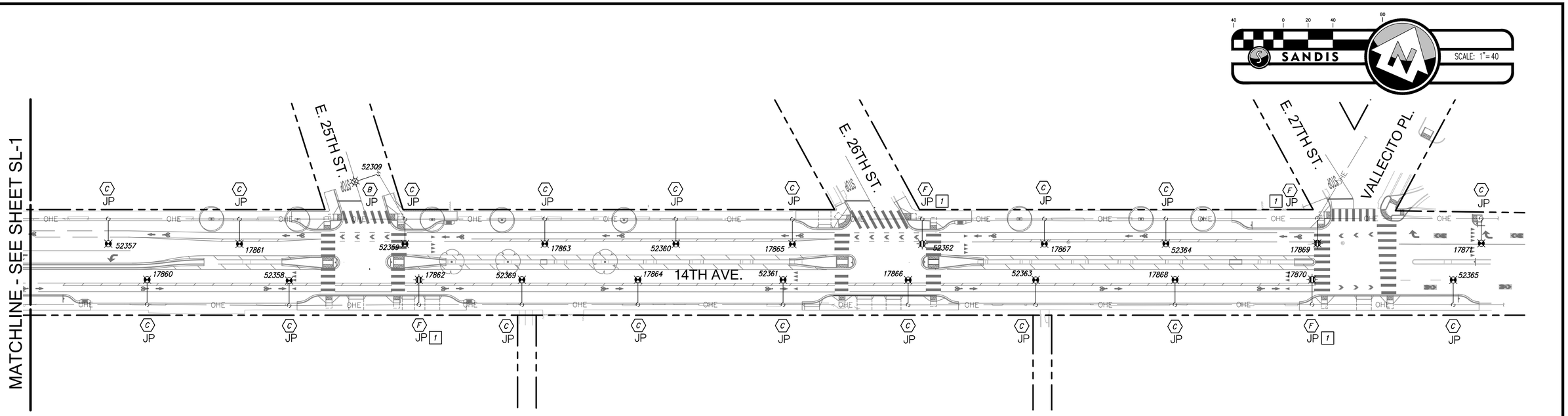
PLOTTED: 10/23/23
PLOTTED BY: tshwe



LIGHTING NOTES

1. INSTALL NEW LIGHTING FIXTURE ON EXISTING LUMINAIRE. SEE LIGHTING FIXTURE SCHEDULE AND LEGEND FOR FIXTURE INFORMATION.

ELECTRICAL LIGHTING NOTES

1. NEW AND EXISTING STREET LIGHTING TO REMAIN ON EXISTING STREET LIGHTING CIRCUIT AND POWER. SIGNIFICANT CHANGES TO LOAD ARE NOT ANTICIPATED AS A RESULT OF THIS PROJECT.
2. EXISTING STREET LIGHTING TO REMAIN UNLESS INDICATED.

LIGHTING FIXTURE SCHEDULE

TYPE	SYMBOL	DESCRIPTION	VOLTAGE	LAMPS	WATTS	QUANTITY
B		EXISTING POLE WITH EXISTING ERL1 TYPE III GE LIGHTING FIXTURE	120-277	LED	57	1
C		EXISTING POLE WITH EXISTING ERL1 TYPE III GE LIGHTING FIXTURE	120-277	LED	92	18
F		EXISTING POLE WITH PROPOSED ERL2 TYPE III GE LIGHTING FIXTURE	120-277	LED	110	4

LEGEND

- EXISTING POLE WITH EXISTING GE LIGHTING SOLUTIONS ERL1_07C340 LUMINAIRE
- EXISTING POLE WITH EXISTING GE LIGHTING SOLUTIONS ERL1_09C340 LUMINAIRE
- EXISTING POLE WITH EXISTING GE LIGHTING SOLUTIONS ERL2_16C340 LUMINAIRE
- EXISTING POLE WITH NEW GE LIGHTING SOLUTIONS ERL2_16C340 LUMINAIRE

JP — LUMINAIRE MOUNTED ON JOINT POLE

TS — LUMINAIRE MOUNTED ON TRAFFIC SIGNAL POLE

LP — LUMINAIRE MOUNTED ON LIGHT POLE

SANDIS
636 9TH STREET
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CHECKED BY	RES
DESIGNED BY	NL
DRAWN BY	GL

REGISTERED PROFESSIONAL ENGINEER RONALD EDMUND SANDOR No. 79305 Exp. 3/31/24 CIVIL STATE OF CALIFORNIA
10/23/2023

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

LIGHTING PLAN

PROJECT NO.
1004251

SCALE: 1"=40'
HOR:
VERT:
DATE: 10/23/2023

SHEET NO.
SL-2
94 OF 100

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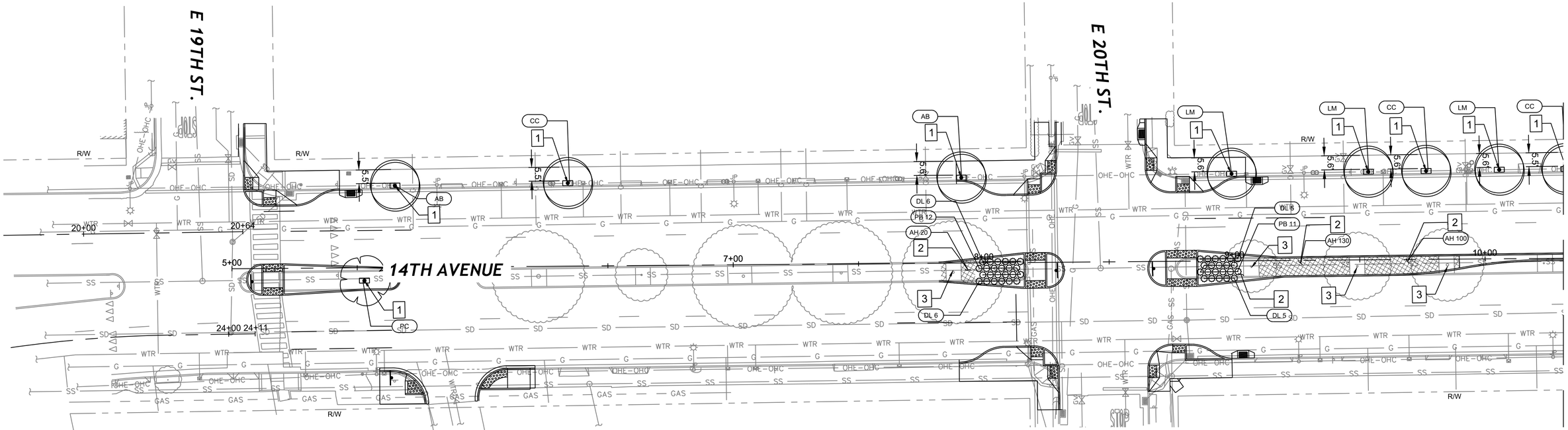
PLOTTED: 10-23-23
PLOTTED BY: tshwe



PLANTING NOTES (THIS SHEET ONLY):

1. FURNISH AND INSTALL NEW 24" x 48" TREEBOX.
2. INSTALL GROUNDCOVER AREA. SEE DETAIL 4 / PD-01
3. EXTEND EXISTING TREE BOX BY 2' IN BOTH DIRECTIONS PARALLEL TO THE 14TH AVENUE CORRIDOR PER DETAIL 3, SHEET PD-01.

PLANT SCHEDULE

PLANT LEGEND	SYMB	QTY	NAME	COMMOM	SIZE	NOTES
	TREES					
	AB	3	Acer buergerianum	Trident Maple	24" BOX	APPROX. MATURE HEIGHT = 15'-25', CANOPY WIDTH 20'-25'
	CC	9	Cercis canadensis	Eastern Redbud	24" BOX	APPROX. MATURE HEIGHT = 15'-25', CANOPY WIDTH 20'
	GB	3	Ginkgo biloba 'Saratoga'	Ginkgo	24" BOX	APPROX. MATURE HEIGHT = 40'-60', CANOPY WIDTH 30'
	LM	12	Lagerstroemia 'Muskogee'	Crape Myrtle	24" BOX	APPROX. MATURE HEIGHT = 15'-25', CANOPY WIDTH 15' Sub. 'Natchez' or 'Tuscarora'
	PC	4	Pisctacia chinensis	Chinese Pistache	24" BOX	APPROX. MATURE HEIGHT = 40'-60', CANOPY WIDTH 30'
	SHRUBS / GRASSES					
	DL	47	Dietes 'Lemon Drop'	Fortnight Lilly	5 GAL	APPROX. MATURE SIZE 2'-3' HT X 2'-3' W
	PB	29	Phormium 'Bronze Baby'	New Zealand Flax	5 GAL	APPROX. MATURE SIZE 3'-4' HT X 3'-4" W
	PS	7	Phormium ' Gold Sword'	New Zealand Flax	5 GAL	APPROX. MATURE SIZE 3'-4' HT X 3'-4" W
	GROUNDCOVER					
	AH	435	Arctostaphylos hookeri 'Montery Carpet'	Monterey Carpet Hooker's Manzanita	1 GAL	2' O.C. OFFSET SPACING

EXISTING TREE

GENERAL NOTES:

1. FOR NOTES, LEGEND AND ABBREVIATIONS SEE SHEET GN-1.
2. FOR DEMOLITION, DRAINAGE, GRADING, AND SIGNING AND STRIPING DRAWING NUMBERS AT THIS LOCATIONS, SEE SHEET T-1, KEY MAP.
3. SEE SHEET XS-01 FOR TYPICAL CROSS SECTION.

20 0 10 20 40
SCALE PLAN SCALE FEET

alta
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DRAWN BY	JP

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

PLANTING PLANS

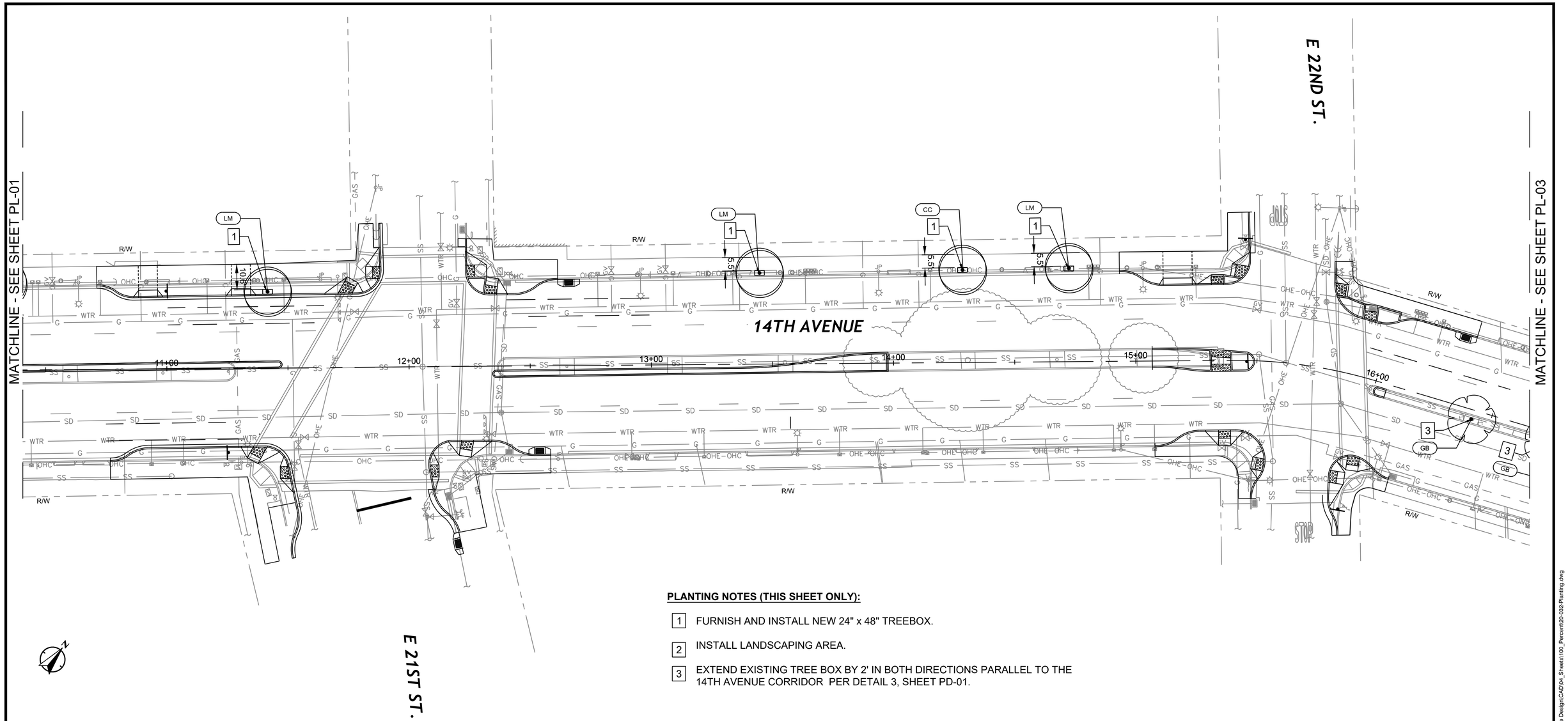
PROJECT NO. 1004251

SCALE: 1"=20'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO. PL-01
95 OF 100

DRAWING NAME: N:\Shares\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Planting.dwg
PLOT DATE: 02-12-24
PLOTTED BY: MaiseMacNaughton

14TH AVENUE STREETSCAPE



PLANTING NOTES (THIS SHEET ONLY):

1. FURNISH AND INSTALL NEW 24" x 48" TREEBOX.
2. INSTALL LANDSCAPING AREA.
3. EXTEND EXISTING TREE BOX BY 2' IN BOTH DIRECTIONS PARALLEL TO THE 14TH AVENUE CORRIDOR PER DETAIL 3, SHEET PD-01.

GENERAL NOTES:

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2. FOR DEMOLITION, DRAINAGE, GRADING, AND SIGNING AND STRIPING DRAWING NUMBERS AT THIS LOCATIONS, SEE SHEET T-1, KEY MAP.
3. SEE SHEET XS-01 FOR TYPICAL CROSS SECTION.

20 0 10 20 40
SCALE PLAN SCALE FEET

alta
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p:510.540.5008

CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER STEVEN B. FRITSON No. C-42110 CIVIL STATE OF CALIFORNIA

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

PLANTING PLANS

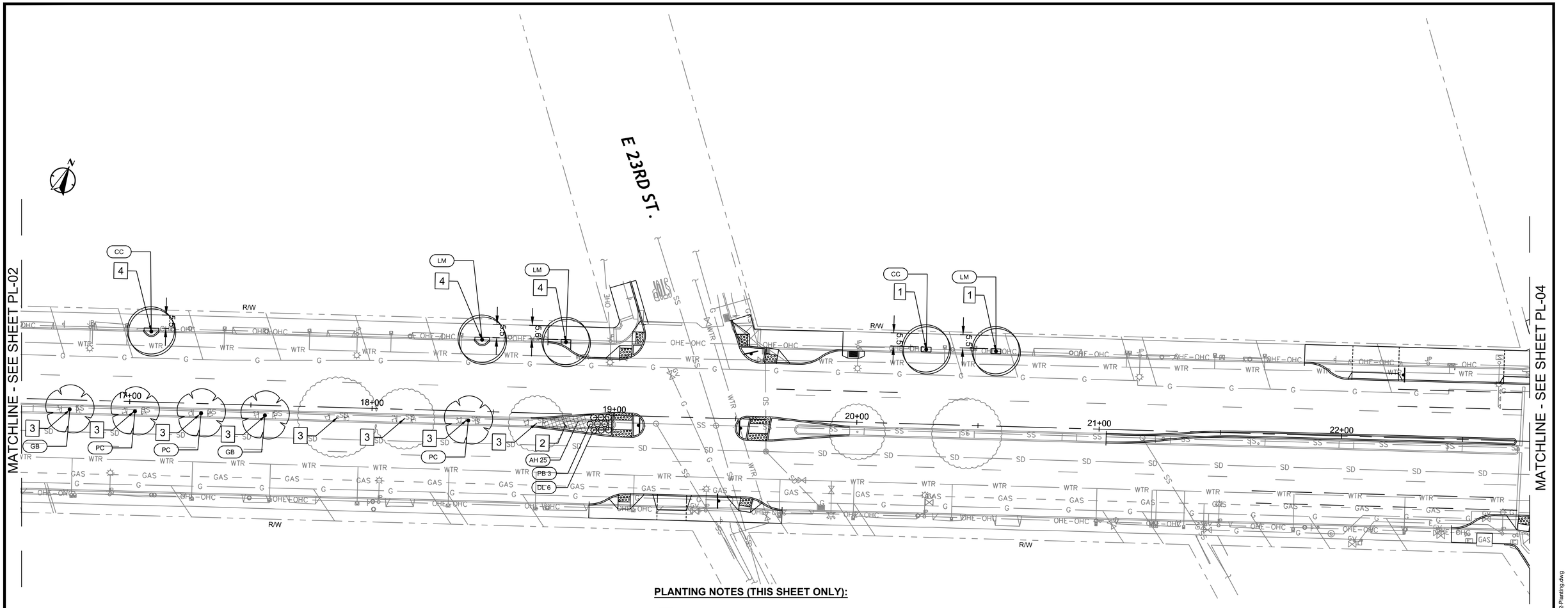
PROJECT NO. 1004251

SCALE: 1"=20'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO. PL-02
96 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Planting.dwg
PLOT DATE: 02-12-24
PLOTTED BY: MaiseMacNaughton

14TH AVENUE STREETSCAPE



PLANTING NOTES (THIS SHEET ONLY):

1. FURNISH AND INSTALL NEW 24" x 48" TREEBOX.
2. INSTALL LANDSCAPING AREA.
3. EXTEND EXISTING TREE BOX BY 2' IN BOTH DIRECTIONS PARALLEL TO THE 14TH AVENUE CORRIDOR PER DETAIL 3, SHEET PD-01.
4. INSTALL TREE BULB.

GENERAL NOTES:

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2. FOR DEMOLITION, DRAINAGE, GRADING, AND SIGNING AND STRIPING DRAWING NUMBERS AT THIS LOCATIONS, SEE SHEET T-1, KEY MAP.
3. SEE SHEET XS-01 FOR TYPICAL CROSS SECTION.

20 0 10 20 40
SCALE PLAN SCALE FEET

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OAKLAND, CA 94607
p:510.540.5008

CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

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CITY OF OAKLAND
DEPARTMENT OF TRANSPORTATION
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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

PLANTING PLANS

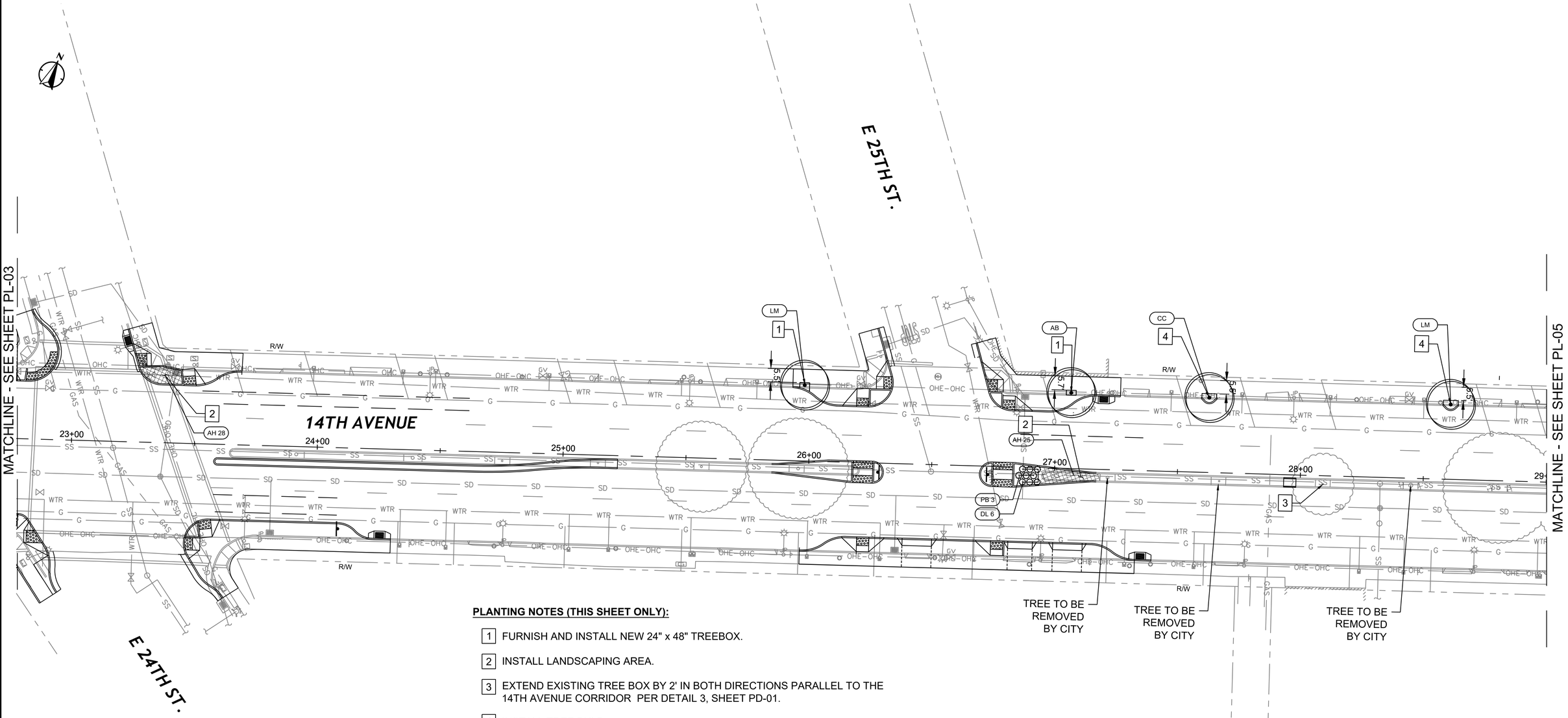
PROJECT NO.
1004251

SCALE: 1"=20'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO.
PL-03
97 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\20-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Planting.dwg
PLOT DATE: 02-12-24
PLOTTED BY: MaiseMacNaughton

14TH AVENUE STREETSCAPE



PLANTING NOTES (THIS SHEET ONLY):

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2. INSTALL LANDSCAPING AREA.
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4. INSTALL TREE BULB.

GENERAL NOTES:

1. FOR NOTES, LEGEND AND ABBREVIATIONS SEE SHEET GN-1.
2. FOR DEMOLITION, DRAINAGE, GRADING, AND SIGNING AND STRIPING DRAWING NUMBERS AT THIS LOCATIONS, SEE SHEET T-1, KEY MAP.
3. SEE SHEET XS-01 FOR TYPICAL CROSS SECTION.

20 0 10 20 40
SCALE PLAN SCALE FEET

alta
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OAKLAND, CA 94607
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CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER STEVEN B. FRITSON No. C-42110 CIVIL STATE OF CALIFORNIA

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

PLANTING PLANS

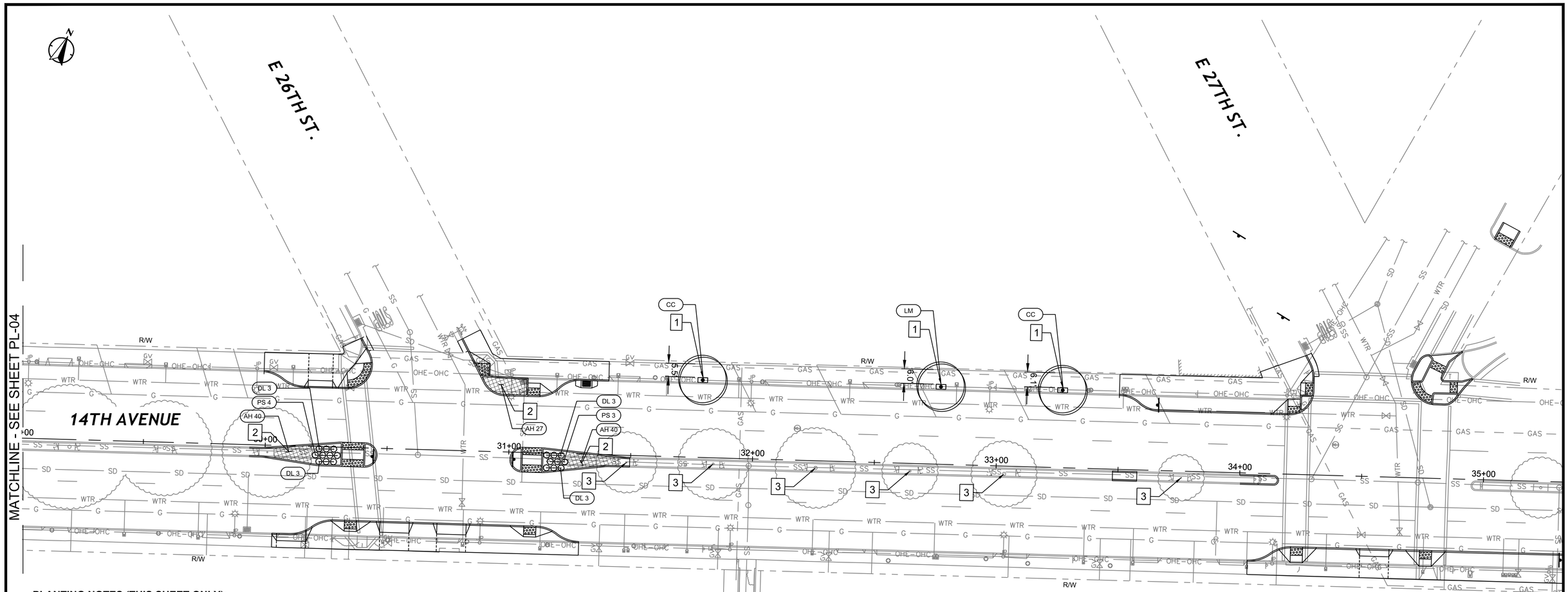
PROJECT NO. 1004251

SCALE: 1"=20'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO. PL-04
98 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Planting.dwg
PLOT DATE: 02-12-24
PLOTTED BY: MaiseMacNaughton

14TH AVENUE STREETSCAPE



PLANTING NOTES (THIS SHEET ONLY):

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2. INSTALL LANDSCAPING AREA.
3. EXTEND EXISTING TREE BOX BY 2' IN BOTH DIRECTIONS PARALLEL TO THE 14TH AVENUE CORRIDOR PER DETAIL 3, SHEET PD-01.
4. INSTALL TREE BULB.

GENERAL NOTES:

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2. FOR DEMOLITION, DRAINAGE, GRADING, AND SIGNING AND STRIPING DRAWING NUMBERS AT THIS LOCATIONS, SEE SHEET T-1, KEY MAP.
3. SEE SHEET XS-01 FOR TYPICAL CROSS SECTION.

20 0 10 20 40
SCALE PLAN SCALE FEET

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OAKLAND, CA 94607
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CHECKED BY	SF
DESIGNED BY	JW
DRAWN BY	JP

REGISTERED PROFESSIONAL ENGINEER STEVEN B. FETESON No. C-42110 CIVIL STATE OF CALIFORNIA

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14TH AVENUE
STREETSCAPE PROJECT
PHASE 1 & 3

No.	DATE	BY	REFERENCE

PLANTING PLANS

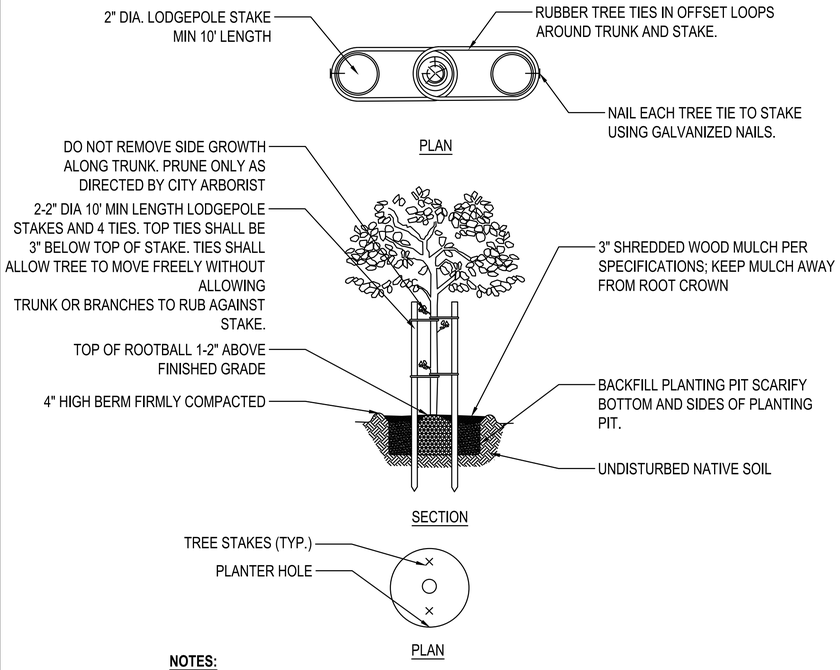
PROJECT NO.
1004251

SCALE: 1"=20'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO.
PL-05
99 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Planting.dwg
PLOT DATE: 02-12-24
PLOTTED BY: MaisieMacNaughton

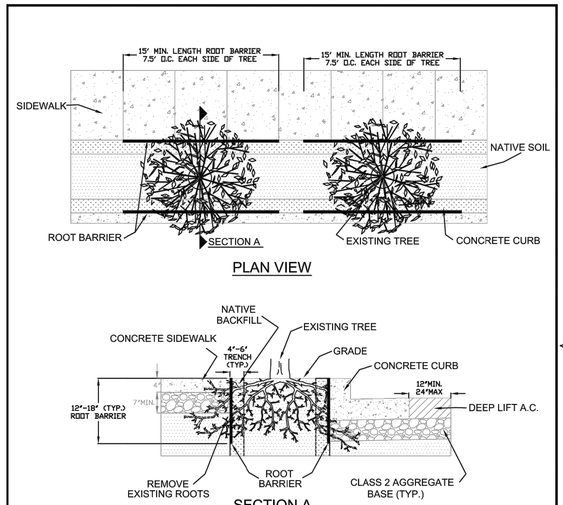
14TH AVENUE STREETSCAPE



NOTES:

1. REFER TO CITY OF OAKLAND STANDARD SPECIFICATIONS FOR STREET TREE PLANTING.
2. POSITION STAKES OUTSIDE OF ROOTBALL; ALIGN STAKES PARALLEL TO PREVAILING WIND.

1 TREE PLANTING AND STAKING W/RWS NTS

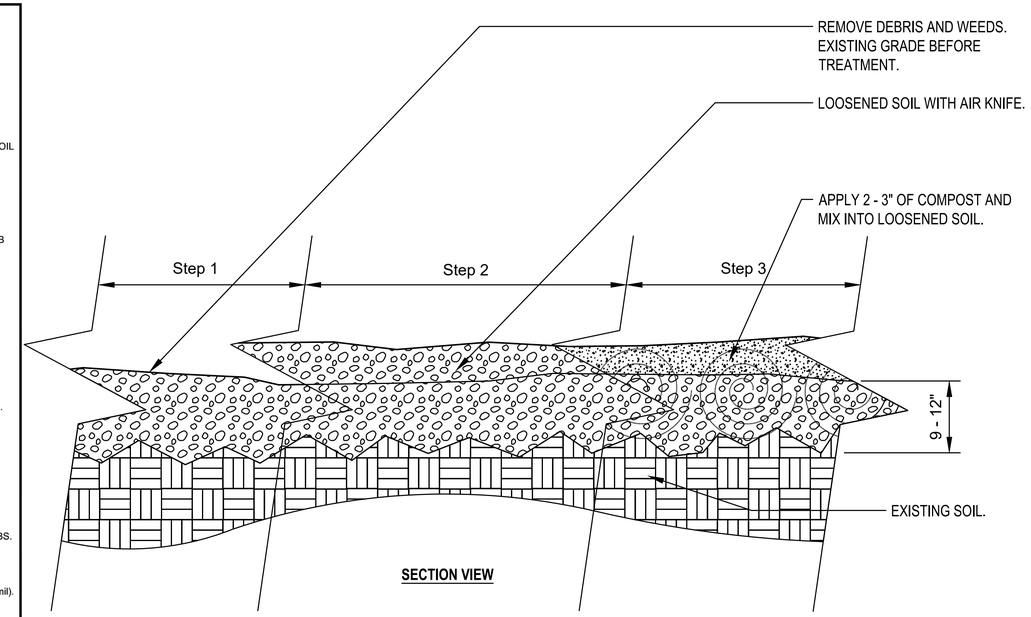


NOTES:

1. ROOT BARRIER SHALL BE BLACK, INJECTION MOLDED PANELS OR LINEAR ROLL WITH 90° DEFLECTING RIBS.
2. ROOT BARRIER SHALL BE MANUFACTURED WITH 50% POST CONSUMER POLYPROPYLENE PLASTIC WITH ADDED ULTRAVIOLET INHIBITORS; RECYCLABLE.
3. INSTALL MINIMUM 12" TO MAXIMUM 18" HIGH ROOT BARRIER.
4. ROOT BARRIER SHALL HAVE A MINIMUM WALL THICKNESS OF 0.06" (60 mil) & RIB THICKNESS OF 0.08" (80 mil).
5. THE VERTICAL ROOT DEFLECTING RIBS SHALL BE FACING INWARDS TO THE ROOT BALL.
6. ROOT BARRIER SHALL BE 15' LONG; 7.5' O.C. FROM TREE UNLESS APPROVED OTHERWISE BY ENGINEER.
7. ROOT BARRIER TRENCH SHALL BE 4" WIDE TO 6" WIDE.
8. ROOT BARRIER SHALL BE INSTALLED VERTICAL IN TRENCH ADJACENT TO SIDEWALK AND CURB AT GRADE.
9. THE CITY ARBORIST SHALL BE NOTIFIED BEFORE EXTENSIVE CUTTING OF ROOTS.

CITY OF OAKLAND	DEPARTMENT OF ENGINEERING AND CONSTRUCTION	
	TREE ROOT BARRIER INSTALLATION	ENGINEERING DESIGN MANAGER DATE: DECEMBER, 2014 REV. DATE: DWG. M-6

2 TREE ROOT BARRIER NTS



NOTES:

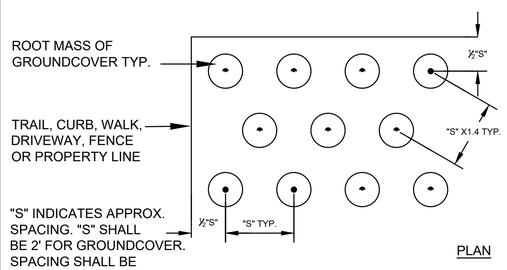
1- PRIOR TO THE START OF WORK REMOVE ALL PAVEMENT, GRAVEL BASE, DEBRIS, AND/OR WEEDS.

2- LOOSEN SOIL WITH AIR KNIFE OR APPROVED EQUAL TO A DEPTH OF 9 - 12" AND WORK AROUND ENCOUNTERED ROOTS.

3- APPLY 2 - 3" OF COMPOST OVER LOOSENED SOIL. USING AN AIR KNIFE MIX COMPOST INTO LOOSENED SOIL.

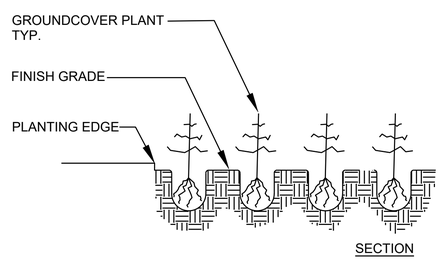
4- WATER ENTIRE ROOT ZONE AT END OF EACH WORK DAY.

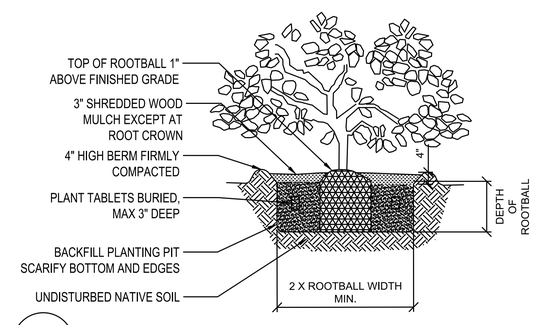
3 SOIL MODIFICATION AT EXISTING TREE BOX NTS



NOTE: PLANTINGS SHALL BE TAGGED FOR DORMANT SEASON IDENTIFICATION AND SHALL REMAIN ON PLANT MATERIAL AFTER PLANTING FOR MONITORING PURPOSES.

4 GROUNDCOVER SPACING NTS





5 SHRUB PLANTING NTS

alta
304 12TH ST, SUITE 2A
OAKLAND, CA 94607
p:510.540.5008

CHECKED BY	SF
DESIGNED BY	JW
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REGISTERED PROFESSIONAL ENGINEER STEVEN B. FRIESON No. C-42110 CIVIL STATE OF CALIFORNIA

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14TH AVENUE STREETSCAPE PROJECT PHASE 1 & 3

No.	DATE	BY	REFERENCE

PLANTING DETAILS

PROJECT NO. 1004251

SCALE: 1"=20'
HOR:
VERT:
DATE: 10/31/2023

SHEET NO. PD-01
100 OF 100

DRAWING NAME: N:\Shared\PROJECTS\2020\00-2020-032 Oakland, CA 14th Ave Streetscape Design\CAD\04_Sheets\100_Percent\20-032-Planting.dwg
PLOT DATE: 10-31-23
PLOTTED BY: emmakatz

14TH AVENUE STREETSCAPE