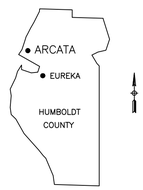
2023 Arcata Annual Paving Project

CITY OF ARCATA, ENGINEERING DEPT.

CALIFORNIA MAP



HUMBOLDT COUNTY MAP

PROJECT NOTES	
OWNER	CITY OF ARCATA
ZONING	INLAND: ARCATA LAND USE CODE (LUC)
GENERAL PLAN DESIGNATION	ARTERIAL AND MINOR ARTERIAL STREETS

BASIS OF BEARINGS FOR SURVEY	
HORIZONTAL BASIS	CA STATE PLANE COORDINATE SYSTEM (CCS83)
VERTICAL BASIS	CA STATE PLANE COORDINATE SYSTEM (CCS83)
FOR ADDITIONAL INFORMATION PLEASE CONTACT CITY PERSONNEL.	

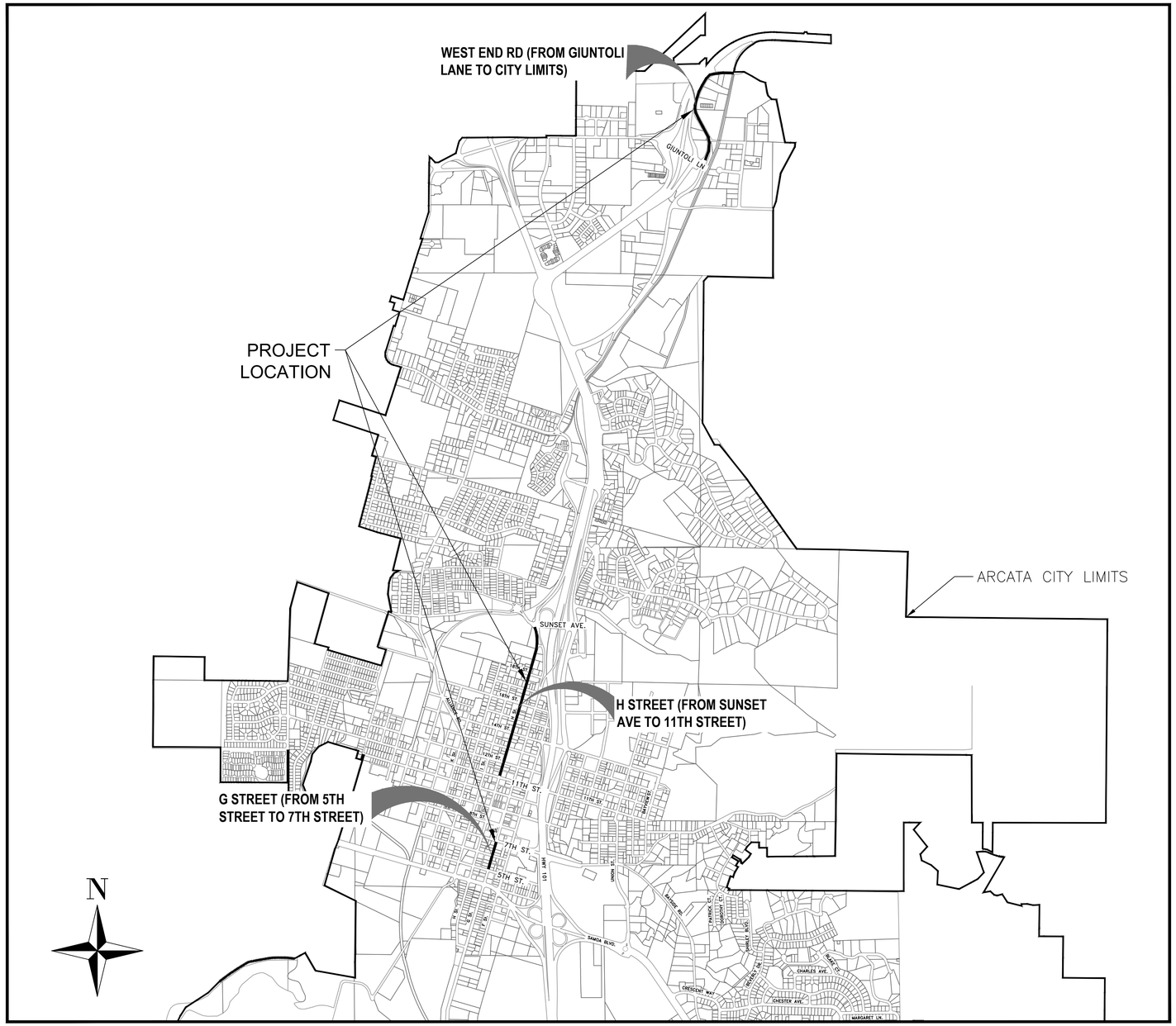
SHEET INDEX

GENERAL		
1	G-001	COVER SHEET
2	G-002	GENERAL NOTES
CIVIL SHEETS		
3	C-101	G STREET FROM 5TH STREET TO 7TH STREET
4	C-102	H STREET FROM SUNSET AVE TO 17TH STREET
5	C-103	H STREET FROM 17TH STREET TO 15TH STREET
6	C-104	H STREET FROM 14TH STREET TO 12TH STREET
7	C-105	H STREET FROM 12TH STREET TO 11TH STREET
8	C-106	WEST END ROAD FROM STA 0+00 TO STA 10+80
9	C-107	WEST END ROAD FROM STA 10+80 TO STA 23+27
10	C-108	14TH STREET & H STREET AND 13TH STREET & H STREET
PAVEMENT MARKINGS & STRIPING		
11	C-109	G STREET FROM 5TH STREET TO 7TH STREET
12	C-110	H STREET FROM 18TH STREET TO 17TH STREET
13	C-111	WEST END ROAD FROM STA 0+00 TO STA 10+80
14	C-112	WEST END ROAD FROM STA 10+80 TO STA 23+27
CIVIL DETAILS		
15	CD-501	STANDARD DETAILS #1
16	CD-502	STANDARD DETAILS #2
17	CD-503	STANDARD DETAILS #3

APPROVED BY:

Netra B. Khatri R.C.E. 75428
City Engineer

REGISTERED PROFESSIONAL ENGINEER
NETRA KHATRI
75428
CIVIL
STATE OF CALIFORNIA



CITY OF ARCATA

Project Location Map

PRELIMINARY PLANS (NOT FOR CONSTRUCTION)

No.	Revision/Issue	Date

City of ARCATA

Sheet Title: COVER SHEET

Project Name: 2023 ARCATA ANNUAL PAVING PROJECT

Project Address: VARIOUS LOCATIONS

Designed By: JONATHAN A. KIRCHUBEL

Drawn By: JONATHAN A. KIRCHUBEL

Checked By: DAVID CAISSE

Approved By: NETRA B. KHATRI

Date: MAY 2023

Sheet: G-001

Scale: N.T.S.

Page: 1

PROJECT INFORMATION:

THIS PROJECT CONSISTS OF DEMOLITION AND REPLACEMENT OF PCC SIDEWALK, CURBS, AND GUTTERS, GRINDING AND INLAYING ASPHALT CONCRETE, THERMOPLASTIC STRIPING APPLICATION, AND STORM DRAIN INFRASTRUCTURE IMPROVEMENTS; AS SHOWN ON THESE PLANS AND CALLED:

2023 Arcata Annual Paving Project

THE CONTRACTOR IS HEREBY NOTIFIED THAT HISTORICAL INFORMATION REGARDING THE PROJECT SITE EXISTS AND IS AVAILABLE FOR PUBLIC INSPECTION IN THE CITY OF ARCATA'S ENGINEERING DEPARTMENT OFFICES. THIS HISTORICAL INFORMATION MAY INCLUDE THE FOLLOWING:

- MISCELLANEOUS UTILITY MAPS AND PLANS
- CITY OF ARCATA BLOCK MAPS
- CITY OF ARCATA WATER MAPS
- CITY OF ARCATA DRAINAGE MAPS

THE ANTICIPATED ORDER OF CONSTRUCTION FOR THIS PROJECT IS AS FOLLOWS:

a. NOTIFY ALL RESIDENTS AND BUSINESS OWNERS OF ANY WORK ADJACENT TO PROPERTIES WITHIN 48 HOURS OF WORK OCCURRING.

b. DEMOLISH EXISTING CONCRETE AND REPLACE TO ADA STANDARDS AS NOTED ON PLANS.

c. DEMOLISH EXISTING DRAIN INLET STRUCTURES AND REPLACE AS NOTED ON PLANS.

d. GRIND EXISTING ASPHALT CONCRETE AND REPLACE AS NOTED ON PLANS.

e. RAISE UTILITY VALVES, MONUMENTS, AND MANHOLES TO GRADE.

ABBREVIATIONS

AB	– AGGREGATE BASE	O.C.	– ON CENTER
AC	– ASPHALT CONCRETE	OD	– OUTSIDE DIAMETER
ACP	– ASBESTOS CEMENT PIPE	PCC	– PORTLAND CEMENT CONCRETE
BOT	– BOTTOM	PL	– PROPERTY LINE
BOTW	– BOTTOM WALL	PP	– POWER POLE
BW	– BACK OF WALK	PSF	– POUNDS PER SQUARE FOOT
C&G	– CURB AND GUTTER	PSI	– POUNDS PER SQUARE INCH
CL	– CENTER LINE	PSIG	– POUNDS PER SQUARE INCH GAGE
CO	– CLEANOUT	PVC	– POLYVINYL CHLORIDE PLASTIC
CONC	– CONCRETE	PVMT	– PAVEMENT
CY	– CUBIC YARD	PVT	– PRIVATE
DI	– DRAIN INLET	QTY	– QUANTITY
DIAM	– DIAMETER	R	– RADIUS
DIM	– DIMENSION	RC	– RELATIVE COMPACTION
DTL	– DETAIL	RCP	– REINFORCED CONCRETE PIPE
(E)	– EXISTING	REQD	– REQUIRED
ELEC	– ELECTRICAL	R.O.W.	– RIGHT OF WAY
ELEV	– ELEVATION	RT	– RIGHT
ENGR	– ENGINEER	SD	– STORM DRAIN
EP	– EDGE OF PAVEMENT	SDMH	– STORM DRAIN MANHOLE
FC	– FACE OF CURB	SECT	– SECTION
FG	– FINISHED GRADE	SL	– SLOPE
FH	– FIRE HYDRANT	SHT	– SHEET
FL	– FLOWLINE	SPEC	– SPECIFICATION
G	– GAS	SQ	– SQUARE
GPM	– GALLONS PER MINUTE	SQFT	– SQUARE FEET
GV	– GATE VALVE	SS	– SANITARY SEWER
HDPE	– HIGH DENSITY POLYETHYLENE PIPE	SSMH	– SANITARY SEWER MANHOLE
HT	– HEIGHT	STA	– STATION
HZ	– HORIZONTAL	STD	– STANDARD
ID	– INNER DIAMETER	STL	– STEEL
IN	– INCH	SW	– SIDEWALK
JP	– JUNCTION POLE	SYMM	– SYMMETRICAL
KW	– KILOWATT	TEMP	– TEMPORARY
LB	– POUND	TG	– TOP OF GRATE
LF	– LINEAR FEET	TOW	– TOP OF WALL
MATL	– MATERIAL	(TYP)	– TYPICAL
MAX	– MAXIMUM	UG	– UNDERGROUND
MECH	– MECHANICAL	UP	– UTILITY POLE
MH	– MANHOLE	UTIL	– UTILITY
MIN	– MINIMUM	V	– VOLT
MISC	– MISCELLANEOUS	VCP	– VITRIFIED CLAY PIPE
MJ	– MECHANICAL JOINT	W	– WATERLINE
(N)	– NEW	WM	– WATER METER
NO.	– NUMBER	WV	– WATER VALVE
NTS	– NOT TO SCALE	YD	– YARD

LEGEND

	STATION LINE	SS	MANHOLE
	<E> EDGE OF PAVEMENT & DIRT		STORM DRAIN INLETS
SS	<E> SANITARY SEWER LINE		UTILITY POLE
SD	<E> STORM DRAIN LINE		SIGN & POST
W	<E> WATER LINE	CO	<E> SEWER CLEANOUT
GAS	<E> GAS LINE	WM	WATER METER BOX
	SURFACE DRAINAGE DIRECTION		<E> WATER VALVE
	ADA RAMP SLOPE MARKING		FIRE HYDRANT
	STREET LIGHT		MONUMENT

CALL BEFORE YOU DIG
48 HR. NOTICE REQUIRED
CALL 811 OR 1-800-642-2444

GENERAL NOTES:

1. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO THOROUGHLY EXAMINE THE JOB SITE, THE CONTRACT SPECIFICATIONS, AND THESE PLANS PRIOR TO SUBMITTING THEIR BID. NO ADDITIONAL PAYMENT SHALL BE MADE BY THE CITY FOR ANY EXPENSE THE CONTRACTOR MAY INCUR AS A RESULT OF THEIR FAILURE TO ADEQUATELY ACQUAINT THEMSELVES WITH THE EXTENT OF THE WORK TO BE DONE, THE GENERAL SITE CONDITIONS, OR THE REQUIREMENTS OF THE PLANS, CONTRACT DOCUMENTS, GENERAL PROVISIONS, SPECIAL PROVISIONS, AND REFERENCED SPECIFICATIONS.
2. THE CONTRACTOR SHALL POSSESS A CLASS 'A' (GENERAL ENGINEERING) CONTRACTOR'S LICENSE, AS WELL AS A CITY OF ARCATA BUSINESS LICENSE, AT THE TIME THE CONTRACT IS AWARDED. ANY SUBCONTRACTOR SHALL HAVE THE APPROPRIATE LICENSE FOR THE WORK BEING PERFORMED.
3. IF THE CONTRACTOR WISHES TO USE WATER FROM THE CITY OF ARCATA WATER DISTRIBUTION SYSTEM DURING THE COURSE OF THIS PROJECT, THEY SHALL OBTAIN AND ATTACH A DOUBLE CHECK VALVE AT THE POINT WHERE THEY CONNECTS TO THE CITY WATER SYSTEM (I.E. AT A HYDRANT, WATER SERVICE, BLOW-OFF, ETC.). THE DOUBLE CHECK VALVE SHALL BE TESTED AND CERTIFIED BY EITHER A CERTIFIED TESTER OR THE CITY OF ARCATA AND APPROVED BY THE ENGINEER PRIOR TO USE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND PROTECTION OF THE DOUBLE CHECK VALVE.
4. THE CONTRACTOR SHALL NOT USE THE PUBLIC RIGHT-OF-WAY FOR LONG TERM STAGING OR MATERIAL STORAGE. DURING THE WORK DAY, THE CONTRACTOR MAY USE THE WORK AREA FOR STORAGE OF PROJECT MATERIALS AND EQUIPMENT THAT WILL BE USED THAT DAY; HOWEVER, AT THE END OF THE DAY, THE WORK SITE SHALL BE CLEANED TO THE SATISFACTION OF THE ENGINEER.
5. THIS IS A PREVAILING WAGE PROJECT.
6. THE CONTRACTOR SHALL SECURE THE CONSTRUCTION SITE DURING NON-WORKING HOURS AS APPROVED BY THE ENGINEER.
7. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER FOR REVIEW A MINIMUM OF FOUR (4) COPIES OF THE MANUFACTURERS' PRODUCT INFORMATION CUT SHEETS INDICATING DIMENSIONS FOR ALL MANUFACTURED AND PRECAST ITEMS PROPOSED FOR USE. THE CITY WILL KEEP THREE (3) COPIES AND RETURN THE REMAINING COPIES TO THE CONTRACTOR AFTER APPROVAL.
8. ALL MATERIALS AND EQUIPMENT SHALL BE INSTALLED PER MANUFACTURERS' RECOMMENDATIONS.
9. ALL GRADES SHOWN ON THE PLANS SHALL BE SUBJECT TO ADJUSTMENT IN THE FIELD BY THE ENGINEER.
10. THE CONTRACTOR SHALL SUBMIT A PROPOSED CONSTRUCTION SCHEDULE TO THE ENGINEER AT OR PRIOR TO THE PRECONSTRUCTION MEETING SHOWING THE ORDER IN WHICH THEY INTEND TO CONSTRUCT ALL PORTIONS OF THIS PROJECT. THE ENGINEER SHALL PROVIDE EITHER APPROVAL OF THE CONTRACTOR'S SCHEDULE OR A LIST OF PROPOSED CHANGES TO THE SCHEDULE PRIOR TO CONSTRUCTION, AND THE CONTRACTOR SHALL ABIDE BY THAT APPROVED SCHEDULE THROUGHOUT THE COURSE OF THE PROJECT UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
11. SEVERAL ITEMS OF WORK SHOWN ON THESE PLANS MUST BE COMPLETED IN A SINGLE DAY. THE CONTRACTOR SHALL TAKE THIS REQUIREMENT INTO ACCOUNT WHEN PREPARING THEIR BID AND THEIR WORK PLAN TO ENSURE THAT A SUFFICIENT AMOUNT OF PERSONNEL AND EQUIPMENT ARE ONSITE AND AVAILABLE TO ALLOW THE WORK TO BE COMPLETED AS REQUIRED.
12. ALL WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE CURRENT VERSION OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD PLANS & SPECIFICATIONS, AND THE CONTRACT SPECIAL PROVISIONS FOR THIS PROJECT, UNLESS SHOWN OTHERWISE.
13. QUANTITIES OF ITEMS, LENGTH OF PROJECT, AND SITE CONDITIONS SHOWN IN THE PLANS ARE APPROXIMATE. ALL MATERIALS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR UNLESS OTHERWISE NOTED.
14. CONTRACTOR AGREES TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE CITY AND THEIR REPRESENTATIVES HARMLESS FROM ANY AND ALL LIABILITY, REAL AND/OR ALLEGED, IN CONJUNCTION WITH THE PERFORMANCE OF THIS PROJECT.
15. CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY AND ALL DAMAGES TO EXISTING STRUCTURES, ROADS, RAILROAD TRACK AND TRACK BED, AND UTILITIES DURING CONSTRUCTION. ALL DAMAGE SHALL SHALL BE RESTORED TO EQUAL OR BETTER CONDITION AT THE CONTRACTOR'S EXPENSE.
16. A SET OF SIGNED WORKING DRAWINGS AND A SET OF SPECIFICATIONS WILL BE KEPT AT ALL TIMES AT THE JOB SITE ON WHICH ALL CHANGES OR VARIATIONS IN THE WORK, INCLUDING ALL EXISTING UTILITIES, ARE TO BE RECORDED AND/OR CORRECTED DAILY AND SUBMITTED TO THE ENGINEER WHEN THE WORK TO BE DONE IS COMPLETED.
17. CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 72 HOURS IN ADVANCE OF COMMENCEMENT OF ANY PART OF THE WORK AND SHALL COORDINATE CONSTRUCTION SCHEDULE WITH CITY ENGINEER TO MINIMIZE IMPACT TO RESIDENTS.
18. THE DESIGN FEATURES INCLUDING HORIZONTAL AND VERTICAL ALIGNMENTS, TYPICAL SECTIONS, APPROACHES, AND OTHER DESIGN DETAILS SHOWN ON THESE DESIGN PLANS SHALL NOT BE ALTERED OR MODIFIED IN ANY WAY DURING CONSTRUCTION WITHOUT THE EXPRESSED, WRITTEN DIRECTION AND APPROVAL OF THE ENGINEER AND/OR CONTRACTING OFFICER. DRAINAGE STRUCTURES SHALL BE INSTALLED AS SHOWN THE PLANS WITH ONLY MINOR CORRECTIONS IN LOCATION SKEW AND/OR ELEVATIONS AS NEEDED TO FIT FIELD CONDITIONS AS DETERMINED BY THE ENGINEER OR OWNER'S REPRESENTATIVE.
19. NO WORK SHALL BE PERFORMED OUTSIDE OF THE DESIGNATED CONSTRUCTION LIMITS WITHOUT THE APPROVAL OF THE CITY OR THEIR REPRESENTATIVE.
20. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING STAGING AREAS WITH THE CITY OF ARCATA. ALL STAGING AREAS WITHIN THE RIGHT-OF-WAY SHALL BE PRE-APPROVED BY THE CITY.
21. UPON COMPLETION OF THE CONSTRUCTION PROJECT, THE CONTRACTOR SHALL LEAVE THE PROJECT AREA FREE OF DEBRIS AND UNUSED MATERIAL. ALL DAMAGE CAUSED BY THE CONTRACTOR SHALL BE RESTORED TO AN "AS GOOD OR BETTER" CONDITION.
22. EXISTING FENCING SHALL REMAIN IN PLACE AND UNDISTURBED BY CONSTRUCTION OPERATIONS UNLESS OTHERWISE SHOWN ON THE PLANS. CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY AND ALL DAMAGES TO FENCES DURING CONSTRUCTION. ALL DAMAGE SHALL SHALL BE RESTORED TO EQUAL OR BETTER CONDITION AT THE CONTRACTOR'S EXPENSE.
23. EXISTING SIGN SYSTEMS SHALL BE PROTECTED THROUGHOUT CONSTRUCTION ACTIVITY UNLESS NOTED OTHERWISE ON PLANS. CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY AND ALL DAMAGES TO SIGNS DURING CONSTRUCTION. ALL DAMAGE SHALL BE RESTORED TO EQUAL OR BETTER CONDITION AT THE CONTRACTOR'S EXPENSE.
24. CONTRACTOR IS RESPONSIBLE FOR ADDRESSING STORM WATER DRAINAGE AND DEWATERING OF WORK AREAS DURING CONSTRUCTION.
25. DURING WET WEATHER PERIODS, CONTRACTOR IS RESPONSIBLE FOR SEQUENCING CONSTRUCTION IN A MANNER TO MINIMIZE IMPACT ON OPEN EARTHWORK AND COMPACTION OPERATIONS.

UTILITY NOTES:

1. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (USA) AT (800) 227-2600 AT LEAST FORTY-EIGHT (48) HOURS, BUT NOT LESS THAN TWO (2) WORKING DAYS, PRIOR TO ANY DEMOLITION OR EXCAVATION AND REQUEST FIELD MARKINGS OF ALL UNDERGROUND UTILITIES.
2. THE CITY OF ARCATA DOES NOT GUARANTEE THE COMPLETENESS OR ACCURACY OF THE EXISTING UNDERGROUND UTILITIES SHOWN ON THESE PLANS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR FIELD VERIFYING ANY POTENTIAL UTILITY CONFLICTS BETWEEN EXISTING UNDERGROUND UTILITIES AND THE WORK SHOWN ON THESE PLANS, INCLUDING BOTH POTENTIAL UTILITY CONFLICTS SHOWN ON THESE PLANS AND POTENTIAL UTILITY CONFLICTS NOT SHOWN ON THESE PLANS BUT EITHER LOCATED, FOUND, OR MARKED IN THE FIELD. WHERE POTENTIAL CONFLICTS ARE FOUND, THE CONTRACTOR SHALL TAKE WHATEVER MEASURES ARE NEEDED (INCLUDING PRELIMINARY POTHOLING OF THE UTILITIES AT THE POTENTIAL CONFLICT LOCATION) PRIOR TO PERFORMING WORK IN THE AREA TO ALLOW TIME FOR THE RESPONSIBLE AGENCY TO CORRECT THE CONFLICT. NO ADDITIONAL PAYMENT SHALL BE MADE BY THE CITY FOR ANY EXPENSE THE CONTRACTOR MAY INCUR AS A RESULT OF THEIR FAILURE TO ADEQUATELY EXPLORE, IN THE OPINION OF THE ENGINEER, POTENTIAL UTILITY CONFLICTS.
3. WHEN WATER OR SEWER SERVICE INTERRUPTION IS NECESSARY, THE CONTRACTOR SHALL NOTIFY ALL AFFECTED PERSONS AT LEAST FORTY-EIGHT (48) HOURS IN ADVANCE OF THE ANTICIPATED SERVICE INTERRUPTION. REFER TO THE CONTRACT SPECIAL PROVISIONS FOR ADDITIONAL REQUIREMENTS.
4. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING AND/OR REPLACING, TO THE SATISFACTION OF THE ENGINEER, ANY UTILITIES THAT ARE DAMAGED BY THEIR ACTIVITIES.
5. AT ANY LOCATION WHERE THE CONTRACTOR'S ACTIVITIES MAY EXPOSE AN ADJACENT WATER MAIN, THE CONTRACTOR SHALL EITHER RESTRAIN THE WATER MAIN OR REQUEST THAT THE CITY SHUT OFF WATER SERVICE IN THE AREA AND DEPRESSURIZE THE WATER MAIN. ANY WATER SHUTDOWN WILL REQUIRE THAT THE CONTRACTOR NOTIFY ALL AFFECTED RESIDENTS AND BUSINESSES WITHIN BOTH THE PRIMARY SHUTDOWN AREA AND THE BACKUP SHUTDOWN AREA AT LEAST TWO (2) WORKING DAYS IN ADVANCE OF THE ANTICIPATED SERVICE INTERRUPTION. THE CITY WILL PROVIDE THE SHUTDOWN NOTIFICATION FLIERS (ONE FOR PRIMARY AREAS, ONE FOR BACKUP AREAS); HOWEVER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTLY FILLING OUT, DUPLICATING, AND DISTRIBUTING THE FLIERS AS LISTED ABOVE. THE CONTRACTOR SHALL MAKE AN ALLOWANCE IN BOTH THEIR BID AND THEIR PROJECT SCHEDULE TO ALLOW FOR NOTIFICATION OF RESIDENTS AND BUSINESSES, AND NO ADDITIONAL PAYMENT WILL BE MADE BY THE CITY FOR ANY EXPENSES INCURRED BY THE CONTRACTOR TO COMPLETE THE REQUIRED NOTIFICATIONS
6. ALL EXISTING UTILITIES AND TIE-IN POINTS SHOULD BE CONSIDERED ACTIVE UTILITIES UNLESS OTHERWISE INDICATED.
7. STRUCTURAL EXCAVATION AND BACKFILL OF CULVERTS AND OTHER DRAINAGE STRUCTURES SHALL BE CONSIDERED INCIDENTAL TO INSTALLATION OF THE STRUCTURE. EXCESS MATERIAL REMOVED MAY BE USED TO REBUILD APPROACHES OR MAY BE PLACED ALONG ROADWAY SHOULDERS IN AREAS AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
8. THE LOCATIONS OF PIPES MAY BE MODIFIED AS NECESSARY TO FIT ACTUAL FIELD CONDITIONS AS DETERMINED BY THE CITY OR THEIR REPRESENTATIVE.
9. EXISTING PIPES & CULVERTS TO BE REMOVED SHALL BECOME PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS & STATE STANDARDS AND CODES.
10. CONSTRUCTION ACTIVITY WILL TAKE PLACE IN THE VICINITY OF OVERHEAD ELECTRIC TRANSMISSION LINES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BE AWARE OF, AND OBSERVE, THE MINIMUM CLEARANCES FOR WORKERS AND EQUIPMENT OPERATING NEAR HIGH VOLTAGE ELECTRIC LINES AS SET OUT IN THE HIGH VOLTAGE SAFETY ORDERS OF THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY AS WELL AS OTHER APPLICABLE SAFETY REGULATIONS.

TRAFFIC CONTROL NOTES:

1. THE CONTRACTOR SHALL PROVIDE TEMPORARY TRAFFIC CONTROL IN ACCORDANCE WITH THE CURRENT VERSION OF THE CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). A TRAFFIC CONTROL PLAN WILL NEED TO BE SUBMITTED AND APPROVED BY THE CITY PRIOR TO ANY WORK TAKING PLACE. THE PLAN SHALL PROVIDE ACCESS AT ALL TIMES FOR RESIDENTS AND EMERGENCY VEHICLES AND COMPLY WITH ALL REQUIRED PERMITS AND OTHER GUIDELINES LISTED ON THESE PLANS AND IN THE SPECIFICATIONS.
2. CONTRACTOR SHALL PROVIDE AND MAINTAIN SUFFICIENT TEMPORARY BARRIERS TO PROVIDE FOR THE SAFETY OF THE STAFF AND PUBLIC TO THE SATISFACTION OF THE ENGINEER.

EROSION CONTROL NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR EROSION AND SEDIMENT CONTROL. CONTRACTOR SHALL USE CALTRANS STORMWATER QUALITY HANDBOOKS, CONSTRUCTION CONTRACTOR'S GUIDE AND SPECIFICATIONS.
2. DURING WET WEATHER PERIODS, CONTRACTOR IS RESPONSIBLE FOR SEQUENCING CONSTRUCTION IN A MANNER TO MINIMIZE IMPACT ON OPEN EARTHWORK AND COMPACTION OPERATIONS.
3. ALL NEWLY GRADED AREAS WITHIN THE PROJECT LIMITS, INCLUDING AREAS COVERED WITH EROSION CONTROL BLANKETS ARE TO BE SEEDED. THE PERMANENT PLANTINGS/SEED MIXTURE SHALL BE AS DIRECTED IN THE CONTRACT SPECIAL PROVISIONS, SWPPP OR THESE PLANS.
4. AFTER SEEDING, A MULCH CONSISTING OF GRASS, HAY OR STRAW SHALL BE BLOWN ON TO ALL NEWLY SEEDED AREAS AT A RATE OF TWO TONS PER ACRE.
5. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FIX ANY DEFICIENCIES INDICATED BY THE OWNER OR THE OWNERS REPRESENTATIVE TO PREVENT EROSION AND CONTROL SEDIMENT.
6. PRIOR TO FINAL ACCEPTANCE TEMPORARY SEDIMENT CONTROL MEASURES SHALL BE REMOVED AND ALL AREAS OF SOIL DISTURBANCE, INCLUDING BUT NOT LIMITED TO CUT AND FILL SLOPES, SWALES AND DITCHES SHALL BE STABILIZED.

EARTHWORK NOTES:

1. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS AND MEASURES TO PREVENT THE FLOW OF WATER, INCLUDING GROUNDWATER, FROM ENTERING ALL EXCAVATIONS WITHIN THE WORK AREA. IF WATER DOES ENTER AN EXCAVATION, SUCH WATER, WHEN REMOVAL IS NECESSARY TO PROCEED WITH THE WORK, SHALL BE PUMPED TO A CONTRACTOR SUPPLIED HOLDING TANK FOR DISPOSAL.
2. THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR DISPOSAL SITES AND SHALL PAY ANY AND ALL COSTS INVOLVED. WHEN ANY MATERIAL IS TO BE DISPOSED OF OUTSIDE THE PROJECT WORK AREA, THE CONTRACTOR SHALL OBTAIN BOTH A WRITTEN AGREEMENT BETWEEN THE PROPERTY OWNER AND THE CONTRACTOR AND A COPY OF THE PERMIT THAT ALLOWS MATERIAL DISPOSAL AT THE SUBJECT SITE. THE AGREEMENT SHALL GRANT THE CONTRACTOR PERMISSION TO USE THE PRIVATE PROPERTY AS A DISPOSAL SITE AND SHALL ABSOLVE THE CITY OF ALL RESPONSIBILITY FOR CONSEQUENCES OF SUCH USAGE. THE PERMIT COPY SHALL BE OBTAINED FROM THE PROPERTY OWNER, THE HUMBOLDT COUNTY BUILDING DEPARTMENT, THE CITY OF ARCATA BUILDING DEPARTMENT, OR OTHER REGULATORY AGENCY AS APPROPRIATE. BOTH THE AGREEMENT AND PERMIT SHALL BE FILED WITH THE ENGINEER PRIOR TO THE USE OF THE PROPERTY, AND THE CONTRACTOR SHALL OBTAIN PERMISSION FROM THE ENGINEER TO DISPOSE OF THE MATERIAL AT THE PROPOSED LOCATION DESIGNATED IN THE AGREEMENT AND ON THE PERMIT BEFORE ANY MATERIAL IS DISPOSED OF ON SAID PROPERTY. REFER TO THE CONTRACT SPECIAL PROVISIONS FOR ADDITIONAL REQUIREMENTS.
3. DISPOSAL OF MATERIALS IS NOT PERMITTED WITHIN THE PUBLIC RIGHT-OF-WAY UNLESS OTHERWISE SPECIFIED ON THE PLANS.
4. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL SURVEY DATA. CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING RIGHT-OF-WAY LINES, SLOPE EASEMENTS, AND ALL HORIZONTAL AND VERTICAL CONTROL PRIOR TO CONSTRUCTION.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF ALL CONSTRUCTION. ADEQUATE SHORING BRACING, TIES, AND SUPPORTS SHALL BE USED TO PROVIDE PROPER TEMPORARY INTEGRITY DURING ALL PHASES OF CONSTRUCTION.
6. ALL EXISTING LANDSCAPED AND UNPAVED AREAS WHICH ARE DISTURBED BY CONSTRUCTION OR EARTHWORK OPERATIONS SHALL BE HAND RAKED SMOOTH AND RETURNED TO ORIGINAL EXISTING CONDITIONS.
7. ALL DITCHES, SWALES, GUTTERS, ETC. SHOULD BE CONSIDERED ACTIVE STORM CONVEYANCES UNLESS OTHERWISE INDICATED. CONTRACTOR IS RESPONSIBLE FOR ADDRESSING STORM WATER DRAINAGE AND DEWATERING OF WORK AREAS DURING CONSTRUCTION.
8. UNSUITABLE EXCAVATED MATERIAL, AS DETERMINED BY THE ENGINEER, SHALL BE REMOVED FROM SITE AND DISPOSED OF IN A MANNER CONSISTENT WITH APPLICABLE REGULATIONS SUCH AS CITY OR COUNTY GRADING ORDINANCES. DOCUMENT, REQUEST PERMISSION, AND DISCLOSE ANY ENVIRONMENTAL REGULATIONS WHEN PROPERLY DISPOSING OF UNSUITABLE MATERIALS TAKEN FROM THE SITE, AS REQUESTED BY THE ENGINEER.

SURVEYING NOTES:

1. ALL ELEVATIONS SHOWN ON THESE PLANS ARE ON THE STATE PLANE CALIFORNIA ZONE 1 NAD 1983 DATUM.
2. CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION STAKING AND SHALL ARRANGE FOR STAKING WITH A CALIFORNIA LICENSED SURVEYOR. TWO-DIMENSIONAL COMPUTER AIDED DESIGN (CAD) FILES WILL BE AVAILABLE AND PROVIDED TO THE CONTRACTOR PRIOR TO CONSTRUCTION. STAKING WILL BE REVIEWED BY OWNER FOR CONFORMANCE TO DESIGN PRIOR TO CONSTRUCTION.
3. CONTRACTOR SHALL VERIFY LOCATIONS, ELEVATIONS, DISTANCES, AND FEATURES THAT MAY AFFECT THE WORK. SHOULD EXISTING CONDITIONS DIFFER FROM THOSE SHOWN OR INDICATED, OR IF IT APPEARS THAT THESE PLANS, STANDARD SPECIFICATIONS, AND SPECIAL PROVISIONS DO NOT ADEQUATELY DETAIL THE WORK TO BE DONE, CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONTINUING WITH ANY RELATED WORK. NO ALLOWANCE WILL BE MADE ON THEIR BEHALF FOR ANY EXTRA EXPENSE RESULTING FROM FAILURE OR NEGLECT IN DETERMINING THE CONDITIONS UNDER WHICH WORK IS TO BE PERFORMED. NOTED DIMENSIONS TAKE PRECEDENCE OVER SCALE.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE CITY OF ARCATA ENGINEERING DEPARTMENT OR CITY SURVEYOR IN THE PRESERVATION OR PROTECTION OF SURVEY MONUMENTS, WHETHER SHOWN ON THE PLANS OR WHEN ENCOUNTERED DURING THE PROJECT.
5. IF MONUMENTS HAVE BEEN IDENTIFIED IN ADVANCE BY THE CITY OF ARCATA, OR OTHERS, AND NOTED ON THE PLANS, THE CONTRACTOR SHALL MARK OR IDENTIFY LOCATIONS PRIOR TO ANY DISTURBANCE FOR PROTECTION OR PERPETUATION DURING THE PROJECT. MONUMENTS THAT WILL INEVITABLY BE DESTROYED DURING CONSTRUCTION AND ARE IDENTIFIED AS SUCH ON THE PLANS, SHALL BE RESET IN AN APPROVED MONUMENT BOX, IF APPLICABLE, OR THEIR LOCATION SHALL BE PERPETUATED. ALL EFFORTS SHOULD BE MADE TO PRESERVE AND WORK AROUND EXISTING SURVEY MONUMENTS WHEN POSSIBLE.
6. ALL WORK INVOLVING INITIAL SEARCHING AND IDENTIFICATION OF MONUMENTS, INCLUDING THEIR SURVEYED LOCATIONS, IS TO BE DONE BY OR UNDER THE DISCRETION OF A LICENSED LAND SURVEYOR. A CORNER RECORD OR RECORD OF SURVEY, AS APPLICABLE, MUST BE FILED IN ACCORDANCE WITH THE PROFESSIONAL LAND SURVEYOR'S. ALL MONUMENTS RESET OR PERPETUATED MUST BE DONE BY OR UNDER THE DISCRETION OF A LICENSED LAND SURVEYOR.
7. MONUMENTS NOT SHOWN ON THE PLANS THAT ARE ENCOUNTERED DURING THE PROJECT ARE TO BE PROTECTED. STOP WORK NEAR THE MONUMENT AND NOTIFY THE PROJECT ENGINEER. CONTRACTOR MUST ENLIST A LICENSED LAND SURVEYOR TO SURVEY THE EXISTING LOCATION OF THE MONUMENT AND SET REFERENCE POINTS AS NECESSARY TO PERPETUATE THE "FOUND POSITION" OF THE MONUMENT. A REPLACEMENT MONUMENT SHALL BE RESET AND DEPICTED ON A CORNER RECORD OR RECORD OF SURVEY, AS APPLICABLE. ANY ALTERNATIVE TO RESETTING A MONUMENT SHALL BE DETERMINED THROUGH THE COORDINATION WITH THE PROJECT ENGINEER AND CITY SURVEYOR.
8. COSTS ASSOCIATED WITH FAILURE TO COMPLY WITH THESE PROVISIONS WILL BE BORNE BY THE CONTRACTOR.

PRELIMINARY PLANS
(NOT FOR CONSTRUCTION)

No.	Revision/Issue	Date

City of ARCATA

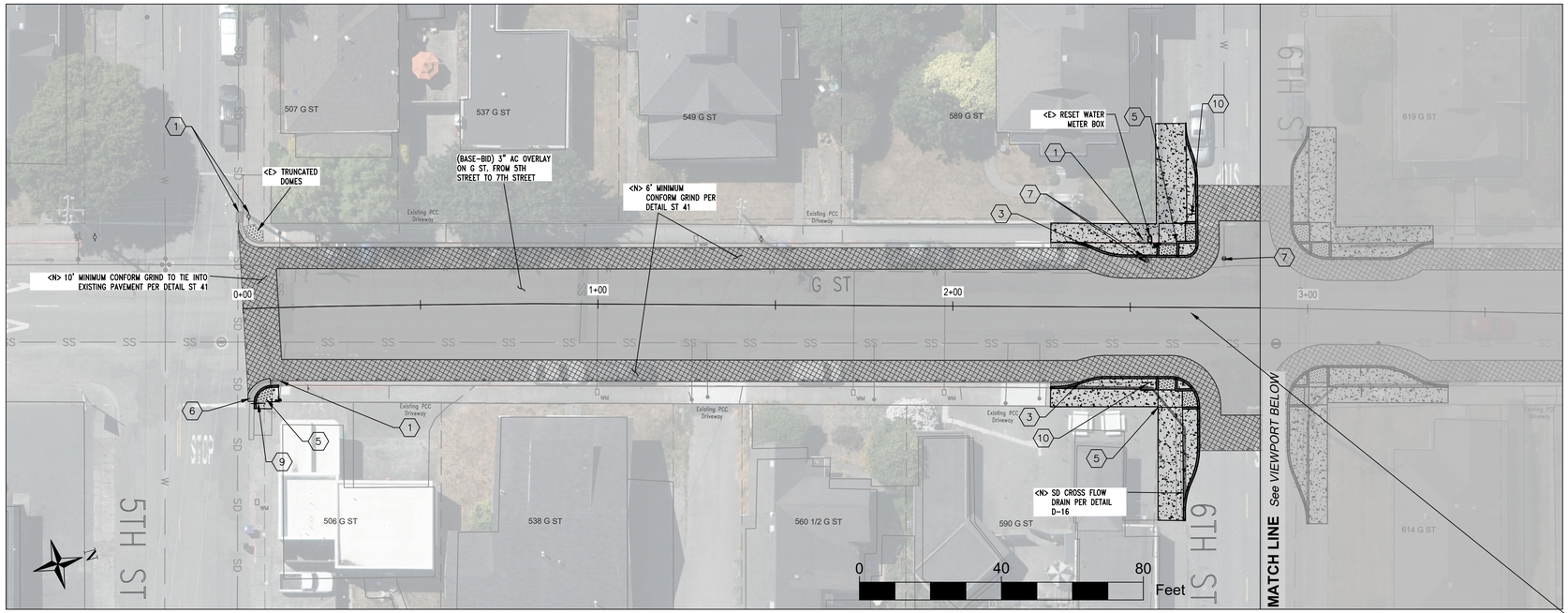
Sheet Title: GENERAL NOTES

Project Name: 2023 ARCATA ANNUAL PAVING PROJECT

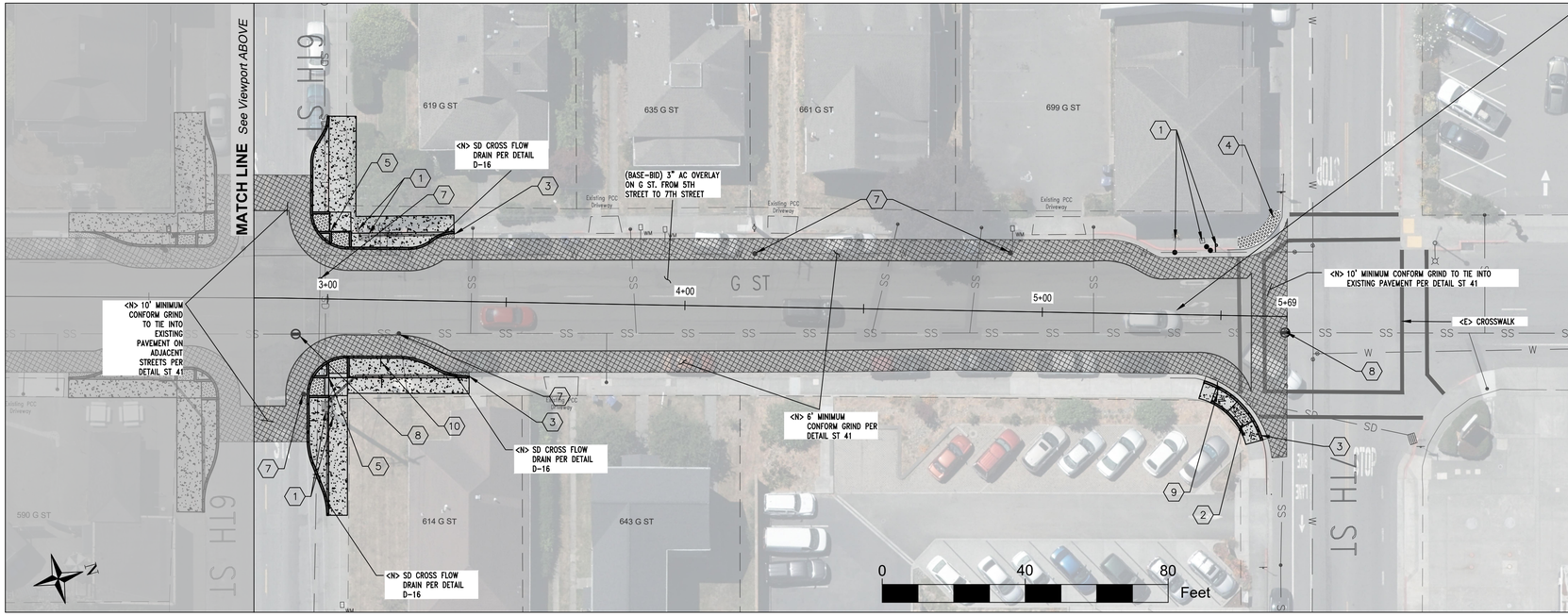
Project Address: VARIOUS LOCATIONS

Designed By: JONATHAN A. KIRCHUBEL
Drawn By: JONATHAN A. KIRCHUBEL
Checked By: DAVID CAISSE
Approved By: NETRA B. KHATRI

Date: MAY 2023
Sheet: G-002
Scale: NTS
Page: 2



G STREET, STA 0+00 to 2+81



G STREET, STA 2+81 to 5+69

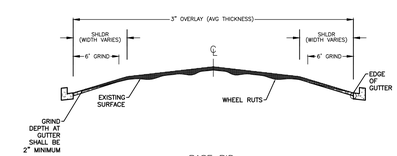
SHEET KEY NOTES	
1	(E) UTILITY POLE, FIRE HYDRANT, DI, ETC. TO REMAIN & BE PROTECTED
2	(N) PCC, TRUNCATED DOMES, & CURB RAMP PER DETAILS ST-11 & ST-12
3	(N) CURB / CURB AND GUTTER PER DETAIL ST-04
4	(N) TRUNCATED DOMES PER DETAIL ST-12B (SURFACE APPLIED)
5	(N) PCC & TRUNCATED DOMES PER DETAIL ST-12
6	(N) AC-FILL WITH 5% SLOPE MAX AND FLUSH WITH CURB
7	ADJUST CLEAN-OUT & VALVES TO GRADE PER DETAIL G-01
8	ADJUST MANHOLE TO GRADE PER DETAIL SS-08
9	(E) SIGN TO BE SALVAGED AND RESET PER DETAIL ST-93.
10	(N) REPLACE EXISTING SIGN POST AND SET IN NEW LOCATION AS MARKED BY ENGINEER PER DETAIL ST-93

NOTE:
1) THE NUMBERING REMAINS CONSTANT THROUGHOUT THE IMPROVEMENT SHEETS EVEN THOUGH EVERY NUMBER MAY NOT BE CALLED OUT ON EVERY SHEET.
2) EXISTING UTILITIES AND SIGNS TO REMAIN & BE PROTECTED UNLESS EXPLICITLY CALLED OUT ON THE PLANS.
3) ALL ROUND SIGN POSTS TO BE REPLACED WITH SQUARE POSTS IF CALLED OUT TO BE SALVAGED & RESET OR REPLACED PER DETAIL ST-93. CITY WILL PROVIDE ANCHORS AND POSTS.
4) ALL (N) TRUNCATED DOMES TO BE SURFACE APPLIED ON EXISTING SIDEWALK CORNERS UNLESS THE SIDEWALK CORNER IS TO BE REPLACED, IN WHICH CASE (N) TRUNCATED DOMES ARE TO BE CAST-IN-PLACE WITH THE EXCEPTION OF RADII CORNERS.
5) FOR ALL AC GRIND-OUT & INLAY LOCATIONS, CITY STAFF WILL MARK AT TIME OF CONSTRUCTION.

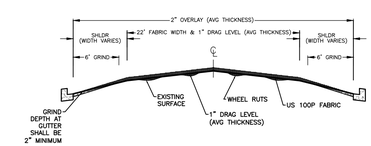
LEGEND	
GRIND & INLAY	
CONFORM & EDGE GRIND	
OVERLAY	
TRUNCATED DOMES	
NEW PCC	
NEW GUTTER	
AC-FILL	
EXISTING PCC	

ADDITIVE ALTERNATIVE # 1
- DRAG LEVEL 1" AVERAGE IN TRAVEL LANE
- APPLY PAVING FABRIC
- 2" OVERLAY

TYPICAL SECTIONS FOR BASE-BID & ADDITIVE ALTERNATIVE #1



BASE BID



ADDITIVE ALTERNATIVE #1

PRELIMINARY PLANS (NOT FOR CONSTRUCTION)

No.	Revision/Issue	Date

City of ARCATA

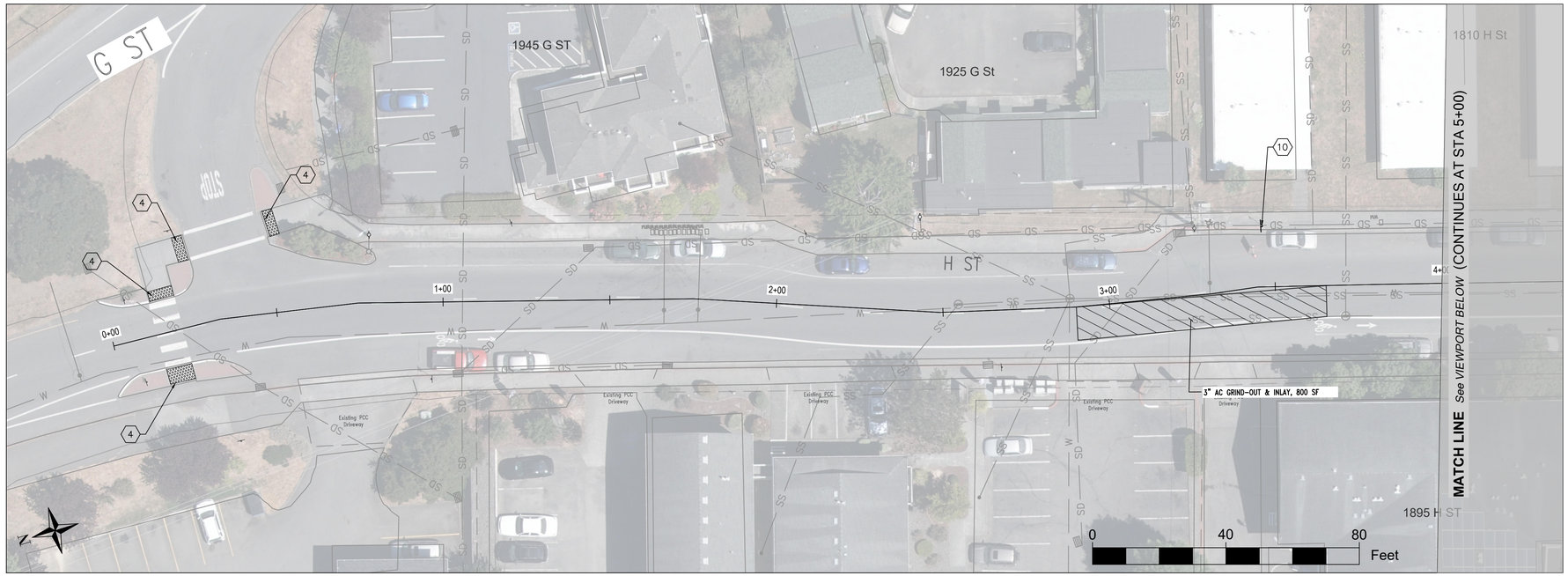
Sheet Title: G STREET FROM 5TH STREET TO 7TH STREET

Project Name: 2023 ARCATA ANNUAL PAVING PROJECT

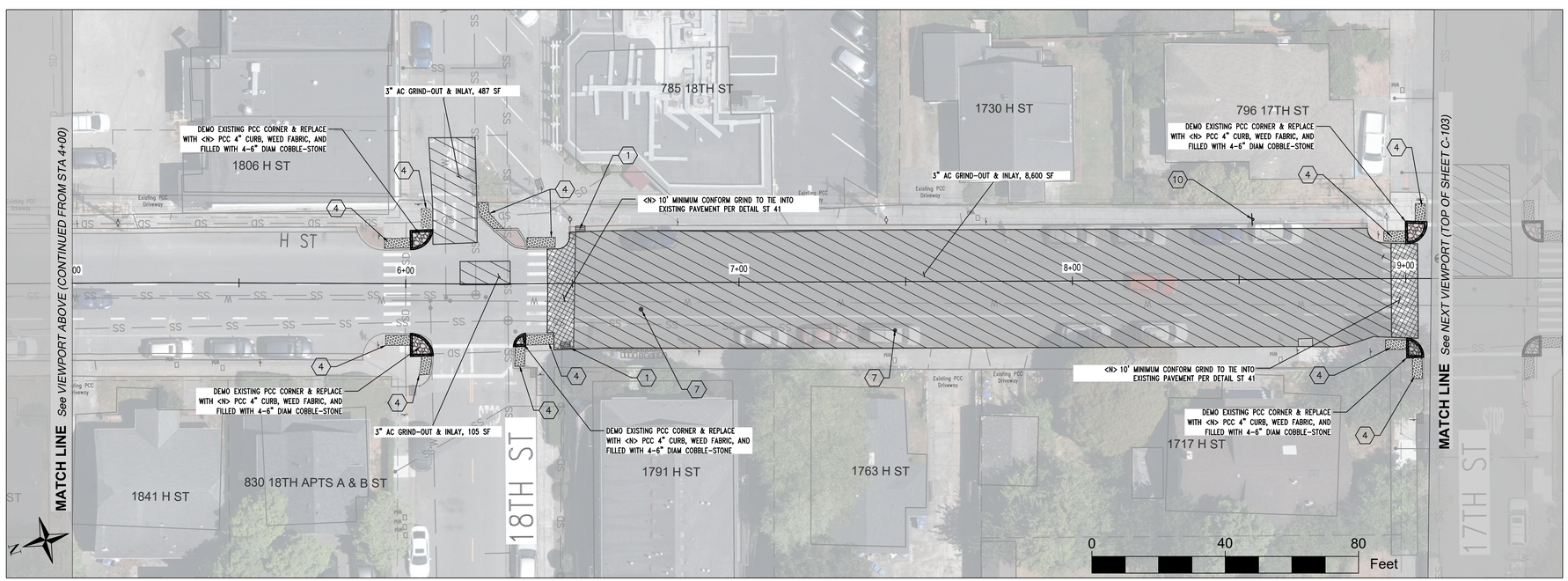
Project Address: VARIOUS LOCATIONS

Designed By: JONATHAN A. KIRCHUBEL
Drawn By: JONATHAN A. KIRCHUBEL
Checked By: DAVID CAISSE
Approved By: NETRA B. KHATRI

Date	Sheet
MAY 2023	C-101
Scale	**Page**
1:20	3



H STREET, STA 0+00 to 4+00



H STREET, STA 5+00 to 9+10

SHEET KEY NOTES	
1	(E) UTILITY POLE, FIRE HYDRANT, DI, ETC. TO REMAIN & BE PROTECTED
2	(N) PCC, TRUNCATED DOMES, & CURB RAMP PER DETAILS ST-11 & ST-12
3	(N) CURB / CURB AND GUTTER PER DETAIL ST-04
4	(N) TRUNCATED DOMES PER DETAIL ST-12B (SURFACE APPLIED)
5	(N) PCC & TRUNCATED DOMES PER DETAIL ST-12
6	(N) AC-FILL WITH 5% SLOPE MAX AND FLUSH WITH CURB
7	ADJUST CLEAN-OUT & VALVES TO GRADE PER DETAIL G-01
8	ADJUST MANHOLE TO GRADE PER DETAIL SS-08
9	(E) SIGN TO BE SALVAGED AND RESET PER DETAIL ST-93
10	(N) REPLACE EXISTING SIGN POST AND SET IN NEW LOCATION AS MARKED BY ENGINEER PER DETAIL ST-93

NOTE:
1) THE NUMBERING REMAINS CONSTANT THROUGHOUT THE IMPROVEMENT SHEETS EVEN THOUGH EVERY NUMBER MAY NOT BE CALLED OUT ON EVERY SHEET.
2) EXISTING UTILITIES AND SIGNS TO REMAIN & BE PROTECTED UNLESS EXPLICITLY CALLED OUT ON THE PLANS.
3) ALL ROUND SIGN POSTS TO BE REPLACED WITH SQUARE POSTS IF CALLED OUT TO BE SALVAGED & RESET OR REPLACED PER DETAIL ST-93. CITY WILL PROVIDE ANCHORS AND POSTS.
4) ALL (N) TRUNCATED DOMES TO BE SURFACE APPLIED ON EXISTING SIDEWALK CORNERS UNLESS THE SIDEWALK CORNER IS TO BE REPLACED, IN WHICH CASE (N) TRUNCATED DOMES ARE TO BE CAST-IN-PLACE WITH THE EXCEPTION OF RADII CORNERS.
5) CITY STAFF WILL MARK OUT AC GRIND OUT AND INLAY LOCATIONS AT TIME OF CONSTRUCTION.

LEGEND	
GRIND & INLAY	
CONFORM & EDGE GRIND	
OVERLAY	
TRUNCATED DOMES	
NEW PCC	
NEW GUTTER	
AC-FILL	
EXISTING PCC	

PRELIMINARY PLANS (NOT FOR CONSTRUCTION)

No.	Revision/Issue	Date

City of ARCATA

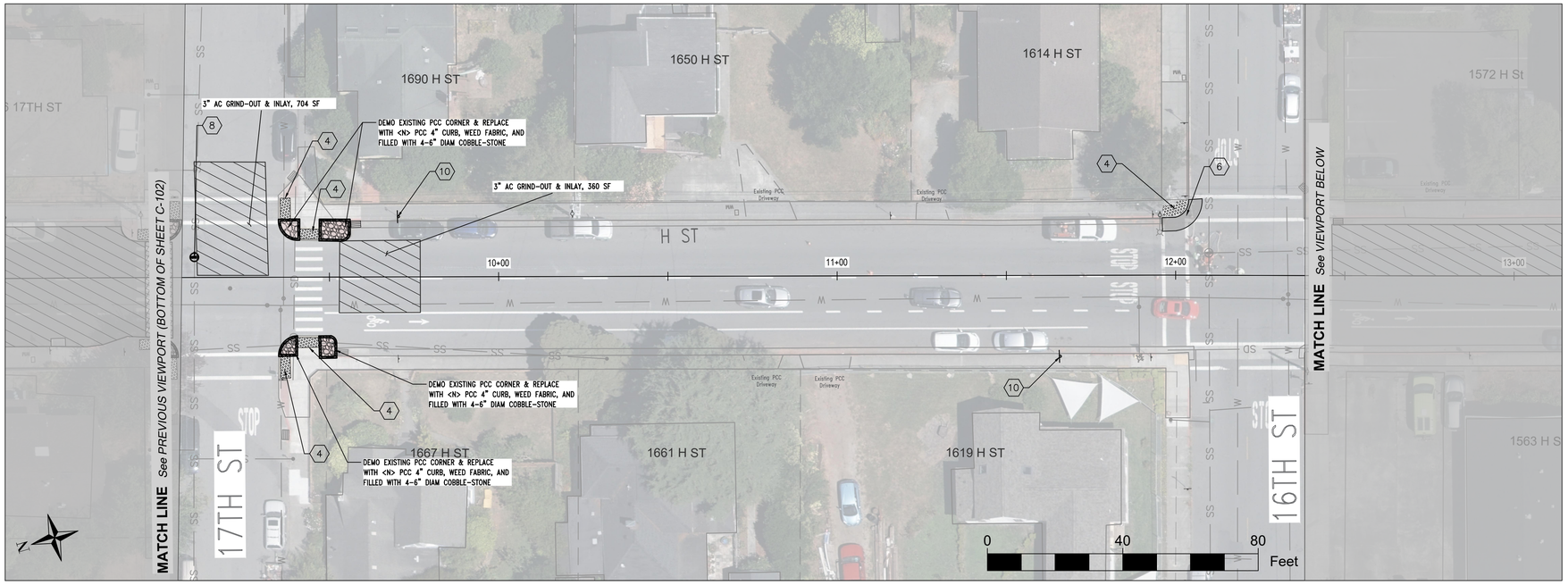
Sheet Title: H STREET FROM SUNSET AVE TO 17TH STREET

Project Name: 2023 ARCATA ANNUAL PAVING PROJECT

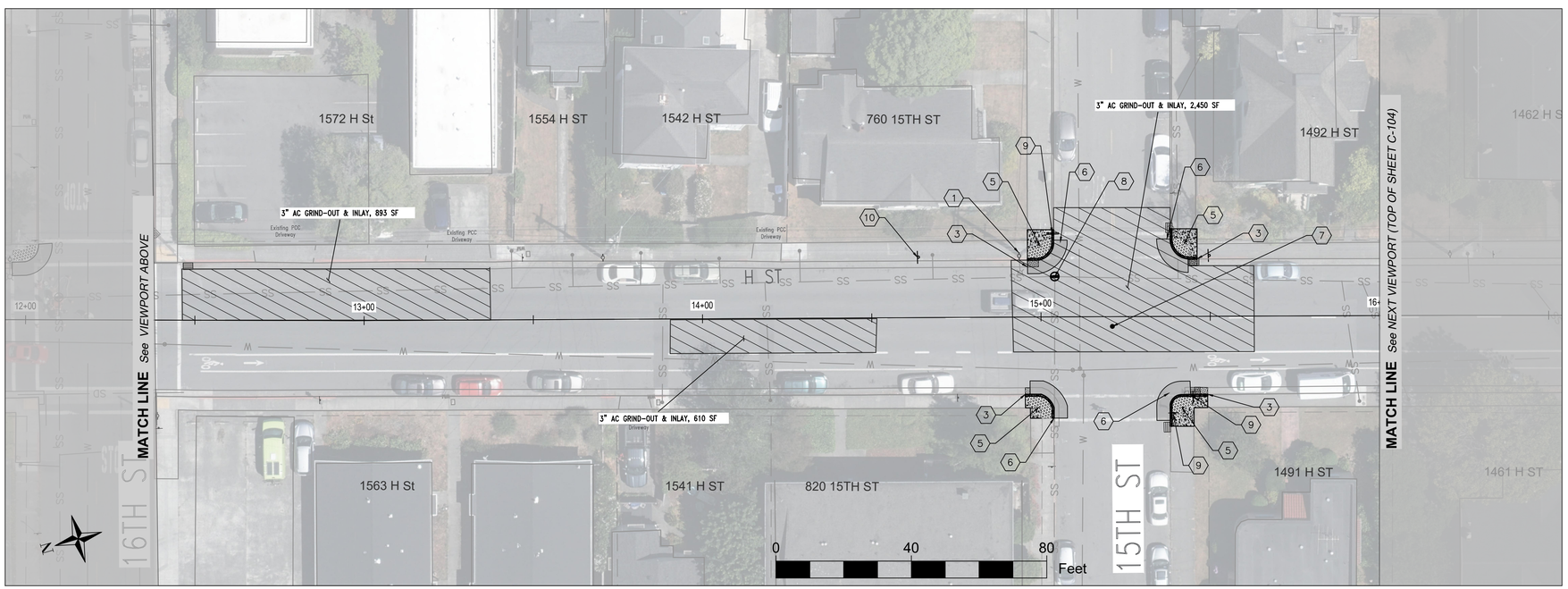
Project Address: VARIOUS LOCATIONS

Designed By: JONATHAN A. KIRCHUBEL
Drawn By: JONATHAN A. KIRCHUBEL
Checked By: DAVID CAISSE
Approved By: NETRA B. KHATRI

Date: MAY 2023
Sheet: C-102
Scale: 1:20
Page: 4



H STREET, STA 9+10 to 12+40



H STREET, STA 12+40 to 16+00

SHEET KEY NOTES	
1	(E) UTILITY POLE, FIRE HYDRANT, DI, ETC. TO REMAIN & BE PROTECTED
2	(N) PCC, TRUNCATED DOMES, & CURB RAMP PER DETAILS ST-11 & ST-12
3	(N) CURB / CURB AND GUTTER PER DETAIL ST-04
4	(N) TRUNCATED DOMES PER DETAIL ST-12B (SURFACE APPLIED)
5	(N) PCC & TRUNCATED DOMES PER DETAIL ST-12
6	(N) AC-FILL WITH 5% SLOPE MAX AND FLUSH WITH CURB
7	ADJUST CLEAN-OUT & VALVES TO GRADE PER DETAIL G-01
8	ADJUST MANHOLE TO GRADE PER DETAIL SS-08
9	(E) SIGN TO BE SALVAGED AND RESET PER DETAIL ST-93
10	(N) REPLACE EXISTING SIGN POST AND SET IN NEW LOCATION AS MARKED BY ENGINEER PER DETAIL ST-93

NOTE:
1) THE NUMBERING REMAINS CONSTANT THROUGHOUT THE IMPROVEMENT SHEETS EVEN THOUGH EVERY NUMBER MAY NOT BE CALLED OUT ON EVERY SHEET.
2) EXISTING UTILITIES AND SIGNS TO REMAIN & BE PROTECTED UNLESS EXPLICITLY CALLED OUT ON THE PLANS.
3) ALL ROUND SIGN POSTS TO BE REPLACED WITH SQUARE POSTS IF CALLED OUT TO BE SALVAGED & RESET OR REPLACED PER DETAIL ST-93. CITY WILL PROVIDE ANCHORS AND POSTS.
4) ALL (N) TRUNCATED DOMES TO BE SURFACE APPLIED ON EXISTING SIDEWALK CORNERS UNLESS THE SIDEWALK CORNER IS TO BE REPLACED, IN WHICH CASE (N) TRUNCATED DOMES ARE TO BE CAST-IN-PLACE WITH THE EXCEPTION OF RADII CORNERS.
5) CITY STAFF WILL MARK OUT AC GRIND OUT AND INLAY LOCATIONS AT TIME OF CONSTRUCTION.

LEGEND	
GRIND & INLAY	
CONFORM & EDGE GRIND	
OVERLAY	
TRUNCATED DOMES	
NEW PCC	
NEW GUTTER	
AC-FILL	
EXISTING PCC	

PRELIMINARY PLANS (NOT FOR CONSTRUCTION)

No.	Revision/Issue	Date

City of ARCATA

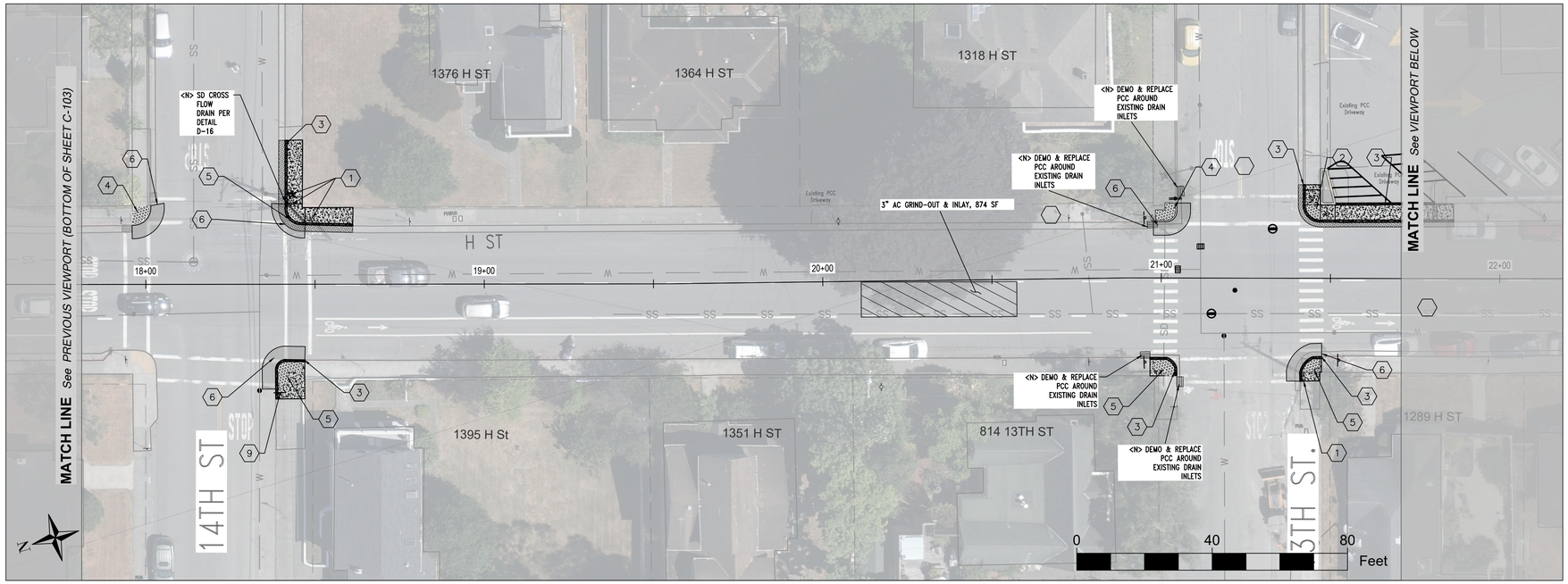
Sheet Title: H STREET FROM 17TH STREET TO 15TH STREET

Project Name: 2023 ARCATA ANNUAL PAVING PROJECT

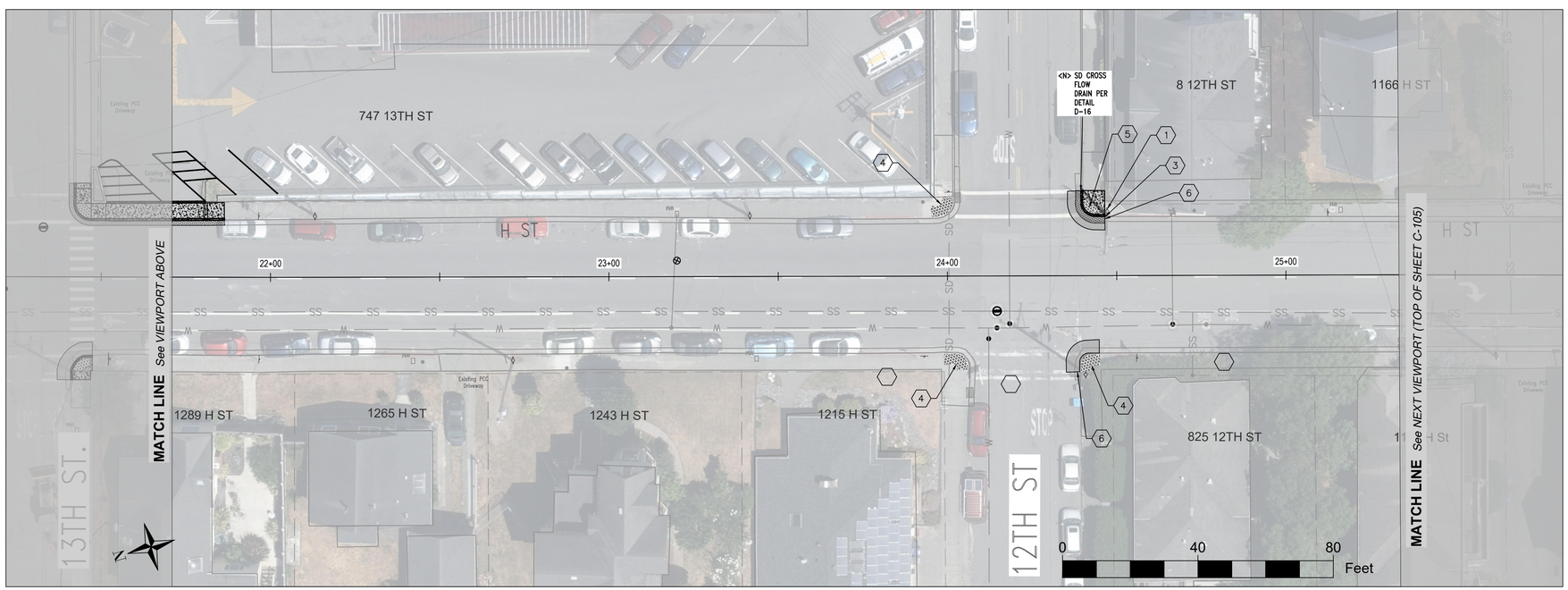
Project Address: VARIOUS LOCATIONS

Designed By: JONATHAN A. KIRCHUBEL
Drawn By: JONATHAN A. KIRCHUBEL
Checked By: DAVID CAISSE
Approved By: NETRA B. KHATRI

Date	Sheet
MAY 2023	C-103
Scale: 1:20	Page: 5



H STREET, STA 17+75 to 21+70



H STREET, STA 21+70 to 25+40

SHEET KEY NOTES	
1	(E) UTILITY POLE, FIRE HYDRANT, DI, ETC. TO REMAIN & BE PROTECTED
2	(N) PCC, TRUNCATED DOMES, & CURB RAMP PER DETAILS ST-11 & ST-12
3	(N) CURB / CURB AND GUTTER PER DETAIL ST-04
4	(N) TRUNCATED DOMES PER DETAIL ST-12B (SURFACE APPLIED)
5	(N) PCC & TRUNCATED DOMES PER DETAIL ST-12
6	(N) AC-FILL WITH 5% SLOPE MAX AND FLUSH WITH CURB
7	ADJUST CLEAN-OUT & VALVES TO GRADE PER DETAIL G-01
8	ADJUST MANHOLE TO GRADE PER DETAIL SS-08
9	(E) SIGN TO BE SALVAGED AND RESET PER DETAIL ST-93
10	(N) REPLACE EXISTING SIGN POST AND SET IN NEW LOCATION AS MARKED BY ENGINEER PER DETAIL ST-93

NOTE:
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3) ALL ROUND SIGN POSTS TO BE REPLACED WITH SQUARE POSTS IF CALLED OUT TO BE SALVAGED & RESET OR REPLACED PER DETAIL ST-93. CITY WILL PROVIDE ANCHORS AND POSTS.
4) ALL (N) TRUNCATED DOMES TO BE SURFACE APPLIED ON EXISTING SIDEWALK CORNERS UNLESS THE SIDEWALK CORNER IS TO BE REPLACED, IN WHICH CASE (N) TRUNCATED DOMES ARE TO BE CAST-IN-PLACE WITH THE EXCEPTION OF RADII CORNERS.
5) CITY STAFF WILL MARK OUT AC GRIND OUT AND INLAY LOCATIONS AT TIME OF CONSTRUCTION.

LEGEND	
GRIND & INLAY	
CONFORM & EDGE GRIND	
OVERLAY	
TRUNCATED DOMES	
NEW PCC	
NEW GUTTER	
AC-FILL	
EXISTING PCC	

PRELIMINARY PLANS (NOT FOR CONSTRUCTION)

No.	Revision/Issue	Date

City of ARCATA

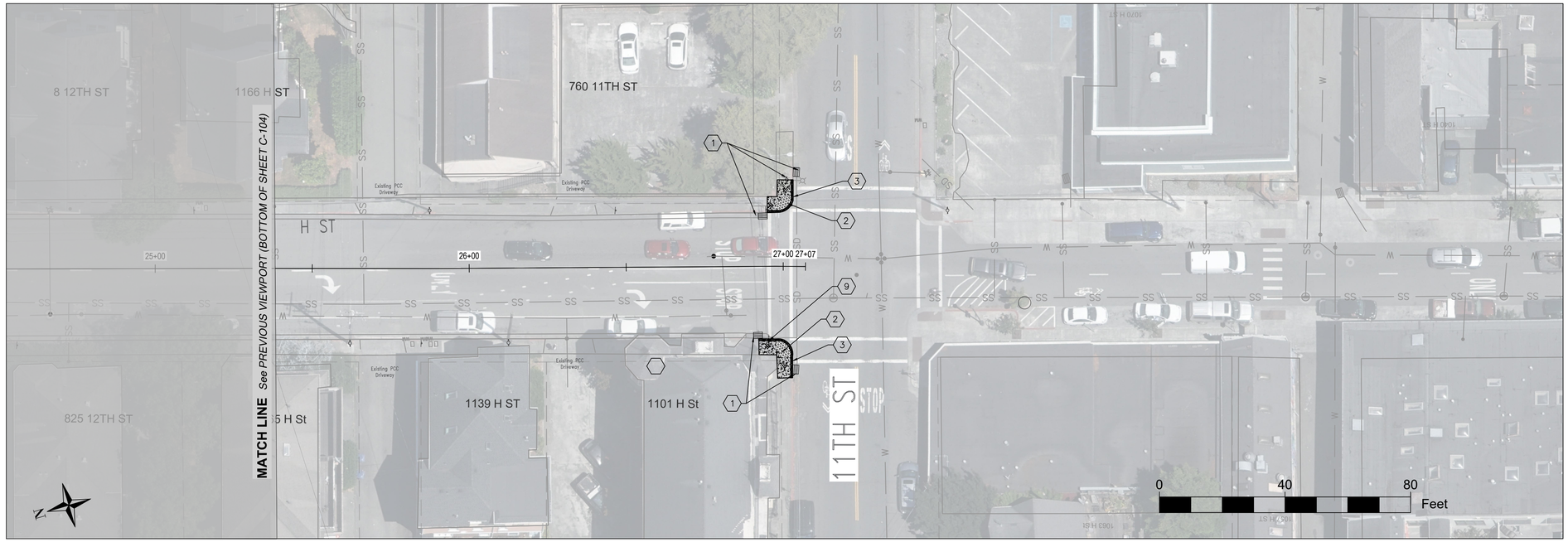
Sheet Title: H STREET FROM 14TH STREET TO 12TH STREET

Project Name: 2023 ARCATA ANNUAL PAVING PROJECT

Project Address: VARIOUS LOCATIONS

Designed By: JONATHAN A. KIRCHUBEL
Drawn By: JONATHAN A. KIRCHUBEL
Checked By: DAVID CAISSE
Approved By: NETRA B. KHATRI

Date: MAY 2023
Sheet: C-104
Scale: 1:20
Page: 6



H STREET, STA 25+40 to 27+07

SHEET KEY NOTES	
1	(E) UTILITY POLE, FIRE HYDRANT, DI, ETC. TO REMAIN & BE PROTECTED
2	(N) PCC, TRUNCATED DOMES, & CURB RAMP PER DETAILS ST-11 & ST-12
3	(N) CURB / CURB AND GUTTER PER DETAIL ST-04
4	(N) TRUNCATED DOMES PER DETAIL ST-12B (SURFACE APPLIED)
5	(N) PCC & TRUNCATED DOMES PER DETAIL ST-12
6	(N) AC-FILL WITH 5% SLOPE MAX AND FLUSH WITH CURB
7	ADJUST CLEAN-OUT & VALVES TO GRADE PER DETAIL G-01
8	ADJUST MANHOLE TO GRADE PER DETAIL SS-08
9	(E) SIGN TO BE SALVAGED AND RESET PER DETAIL ST-93
10	(N) REPLACE EXISTING SIGN POST AND SET IN NEW LOCATION AS MARKED BY ENGINEER PER DETAIL ST-93

NOTE:
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5) CITY STAFF WILL MARK OUT AC GRIND OUT AND INLAY LOCATIONS AT TIME OF CONSTRUCTION.

LEGEND	
GRIND & INLAY	
CONFORM & EDGE GRIND	
OVERLAY	
TRUNCATED DOMES	
NEW PCC	
NEW GUTTER	
AC-FILL	
EXISTING PCC	

PRELIMINARY PLANS (NOT FOR CONSTRUCTION)

No.	Revision/Issue	Date

City of ARCATA

Sheet Title: H STREET FROM 12TH STREET TO 11TH STREET

Project Name: 2023 ARCATA ANNUAL PAVING PROJECT

Project Address: VARIOUS LOCATIONS

Designed By: JONATHAN A. KIRCHUBEL

Drawn By: JONATHAN A. KIRCHUBEL

Checked By: DAVID CAISSE

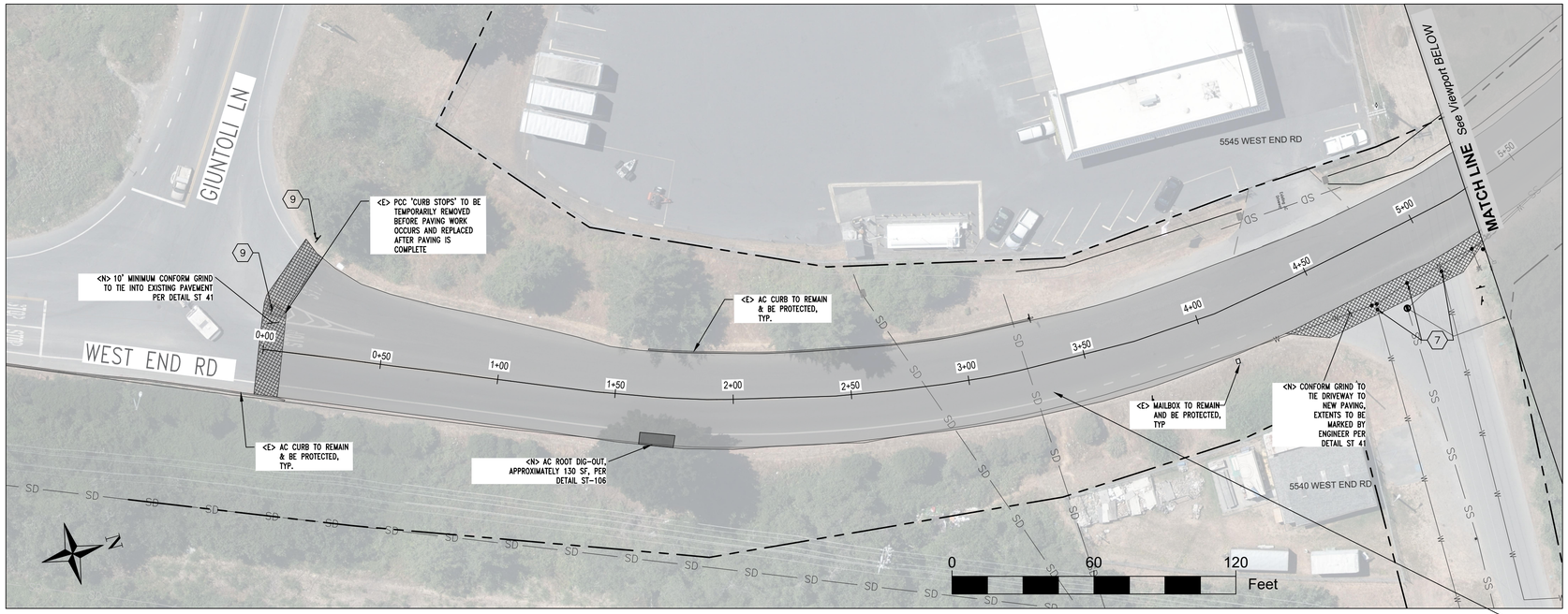
Approved By: NETRA B. KHATRI

Date: MAY 2023

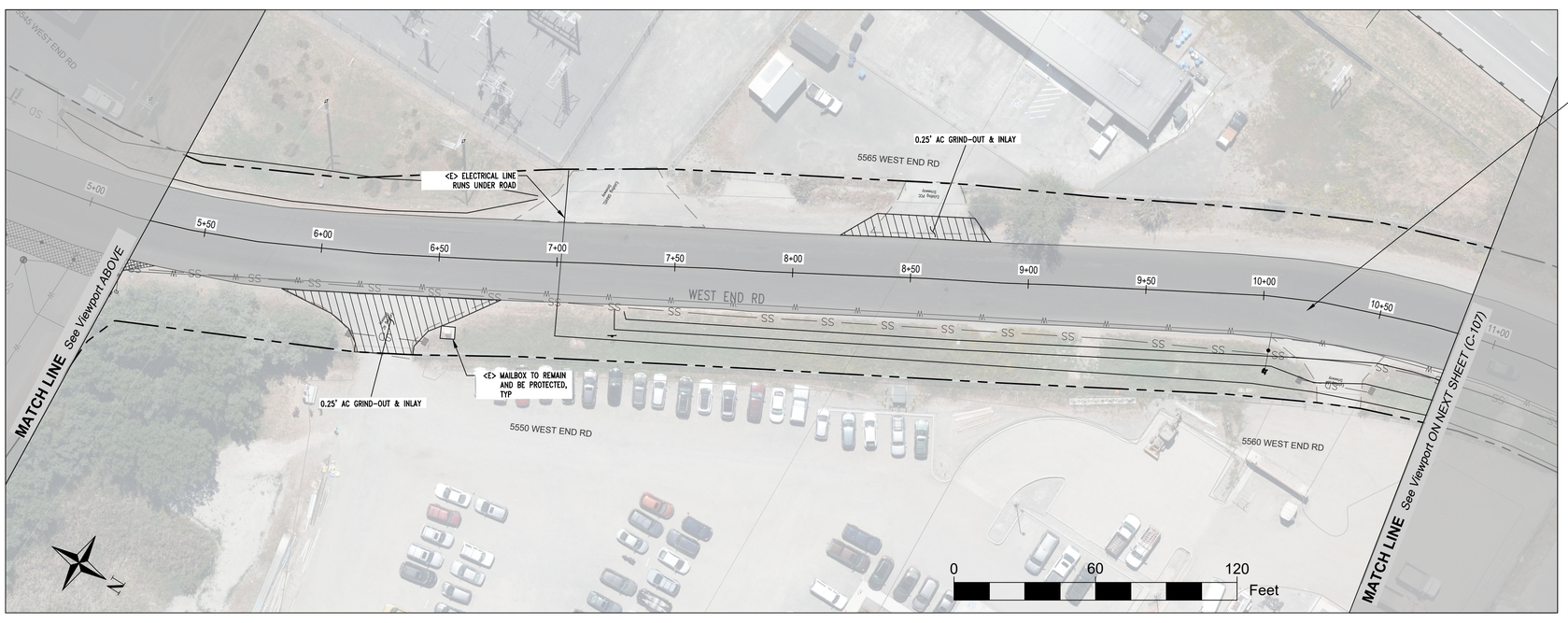
Sheet: C-105

Scale: 1:20

Page: 7



WEST END ROAD, STA 0+00 to 5+25



WEST END ROAD, STA 5+25 to 10+80

SHEET KEY NOTES	
1	(E) UTILITY POLE, FIRE HYDRANT, DI, ETC. TO REMAIN & BE PROTECTED
2	(N) PCC, TRUNCATED DOMES, & CURB RAMP PER DETAILS ST-11 & ST-12
3	(N) CURB / CURB AND GUTTER PER DETAIL ST-04
4	(N) TRUNCATED DOMES PER DETAIL ST-12B (SURFACE APPLIED)
5	(N) PCC & TRUNCATED DOMES PER DETAIL ST-12
6	(N) AC-FILL WITH 5% SLOPE MAX AND FLUSH WITH CURB
7	ADJUST CLEAN-OUT & VALVES TO GRADE PER DETAIL G-01
8	ADJUST MANHOLE TO GRADE PER DETAIL SS-08
9	(E) SIGN TO BE SALVAGED AND RESET PER DETAIL ST-93
10	(N) REPLACE EXISTING SIGN POST AND SET IN NEW LOCATION AS MARKED BY ENGINEER PER DETAIL ST-93

NOTE:
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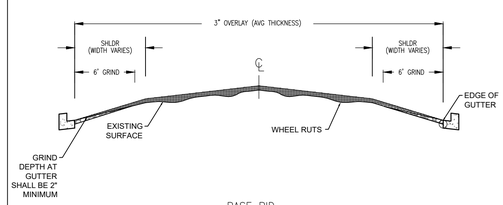
5) FOR ALL AC GRIND-OUT & INLAY LOCATIONS, CITY STAFF WILL MARK AT TIME OF CONSTRUCTION.

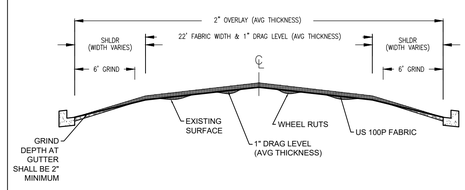
LEGEND	
GRIND & INLAY	
CONFORM & EDGE GRIND	
OVERLAY	
TRUNCATED DOMES	
NEW PCC	
NEW GUTTER	
AC-FILL	
EXISTING PCC	

ADDITIVE ALTERNATIVE #2
- DRAG LEVEL 1" AVERAGE IN TRAVEL LANE
- APPLY PAVING FABRIC
- 2" OVERLAY

TYPICAL SECTIONS FOR BASE-BID & ADDITIVE ALTERNATIVE #2



BASE BID



ADDITIVE ALTERNATIVE #2

PRELIMINARY PLANS (NOT FOR CONSTRUCTION)

No.	Revision/Issue	Date

City of ARCATA

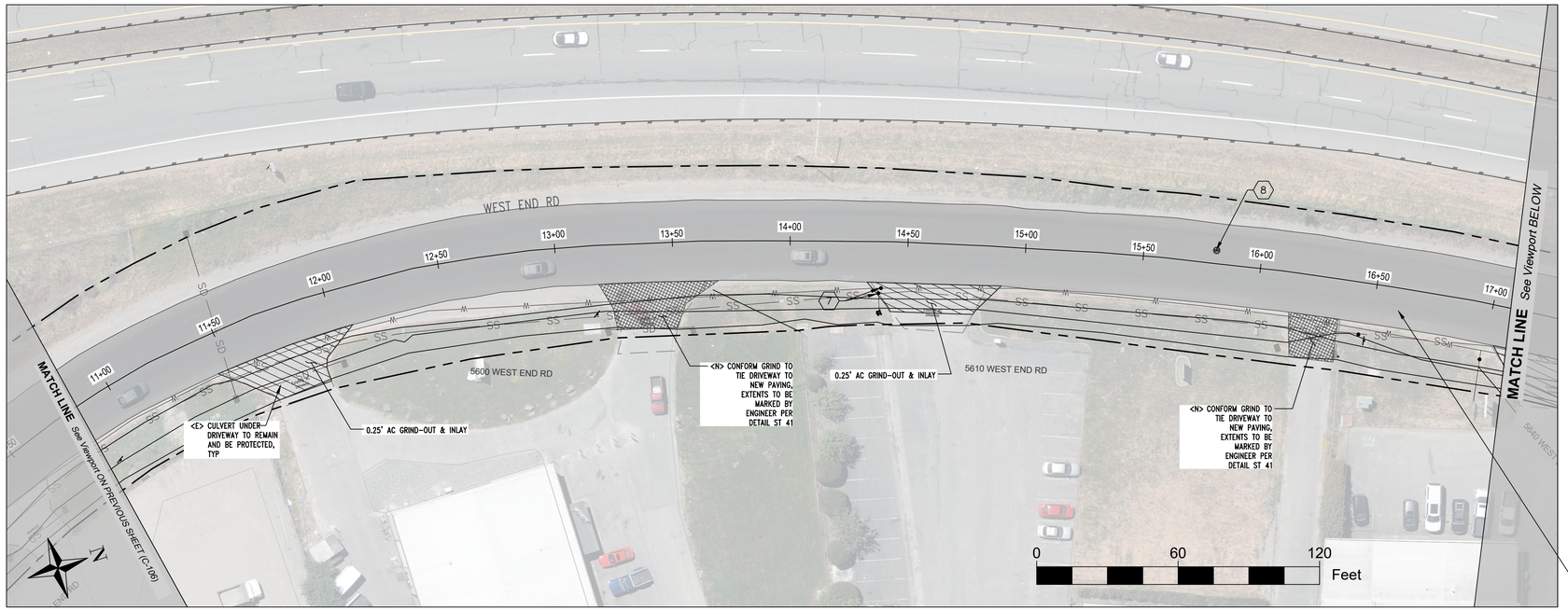
Sheet Title: WEST END ROAD FROM STA 0+00 TO STA 10+80

Project Name: 2023 ARCATA ANNUAL PAVING PROJECT

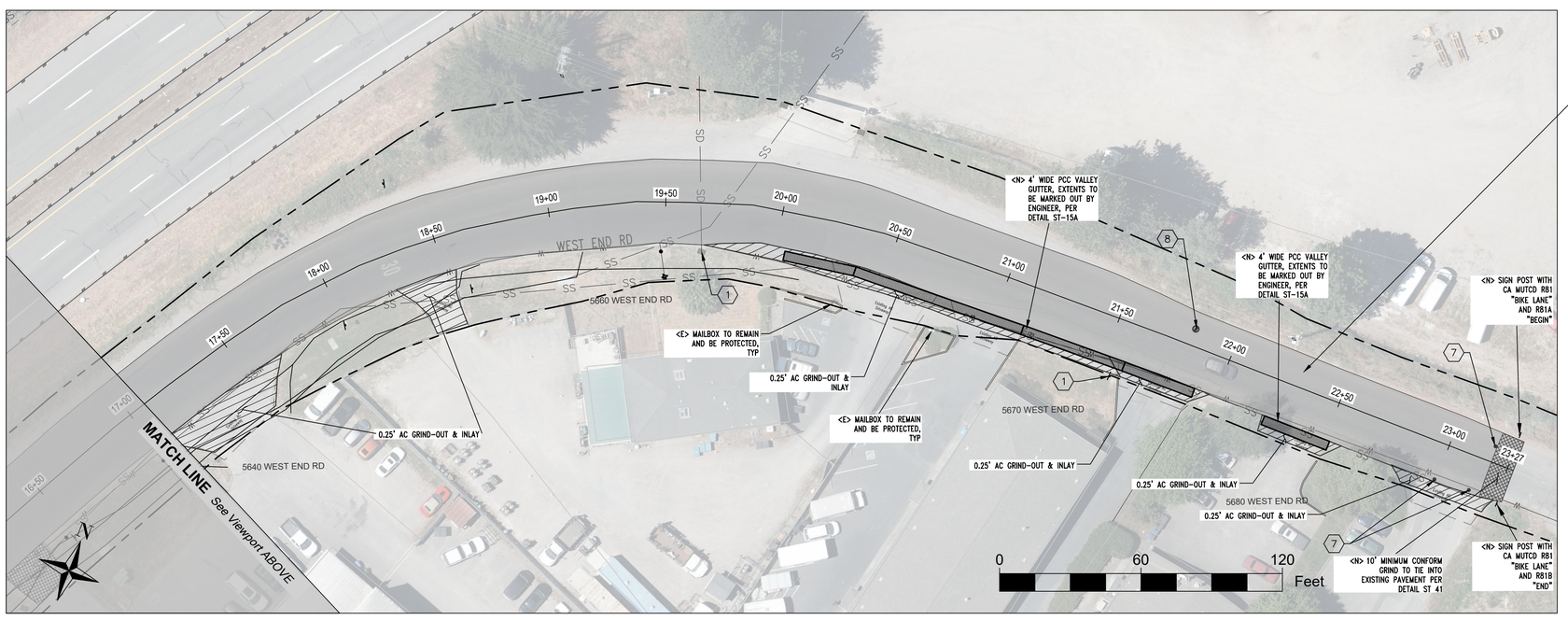
Project Address: VARIOUS LOCATIONS

Designed By: JONATHAN A. KIRCHUBEL
Drawn By: JONATHAN A. KIRCHUBEL
Checked By: DAVID CAISSE
Approved By: NETRA B. KHATRI

Date: MAY 2023
Sheet: C-106
Scale: 1:30
Page: 8



WEST END ROAD, STA 10+80 to 17+10



WEST END ROAD, STA 17+10 to 23+27

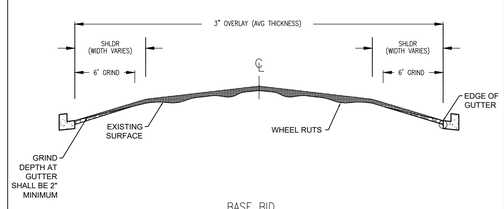
SHEET KEY NOTES	
1	(E) UTILITY POLE, FIRE HYDRANT, DI, ETC. TO REMAIN & BE PROTECTED
2	(N) PCC, TRUNCATED DOMES, & CURB RAMP PER DETAILS ST-11 & ST-12
3	(N) CURB / CURB AND GUTTER PER DETAIL ST-04
4	(N) TRUNCATED DOMES PER DETAIL ST-12B (SURFACE APPLIED)
5	(N) PCC & TRUNCATED DOMES PER DETAIL ST-12
6	(N) AC-FILL WITH 5% SLOPE MAX AND FLUSH WITH CURB
7	ADJUST CLEAN-OUT & VALVES TO GRADE PER DETAIL G-01
8	ADJUST MANHOLE TO GRADE PER DETAIL SS-08
9	(E) SIGN TO BE SALVAGED AND RESET PER DETAIL ST-93
10	(N) REPLACE EXISTING SIGN POST AND SET IN NEW LOCATION AS MARKED BY ENGINEER PER DETAIL ST-93

NOTE:
1) THE NUMBERING REMAINS CONSTANT THROUGHOUT THE IMPROVEMENT SHEETS EVEN THOUGH EVERY NUMBER MAY NOT BE CALLED OUT ON EVERY SHEET.
2) EXISTING UTILITIES AND SIGNS TO REMAIN & BE PROTECTED UNLESS EXPLICITLY CALLED OUT ON THE PLANS.
3) ALL ROUND SIGN POSTS TO BE REPLACED WITH SQUARE POSTS IF CALLED OUT TO BE SALVAGED & RESET OR REPLACED PER DETAIL ST-93. CITY WILL PROVIDE ANCHORS AND POSTS.
4) ALL (N) TRUNCATED DOMES TO BE SURFACE APPLIED ON EXISTING SIDEWALK CORNERS UNLESS THE SIDEWALK CORNER IS TO BE REPLACED, IN WHICH CASE (N) TRUNCATED DOMES ARE TO BE CAST-IN-PLACE WITH THE EXCEPTION OF RADII CORNERS.
5) FOR ALL AC GRIND-OUT & INLAY LOCATIONS, CITY STAFF WILL MARK AT TIME OF CONSTRUCTION.

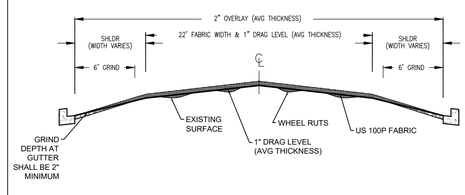
LEGEND	
GRIND & INLAY	
CONFORM & EDGE GRIND	
OVERLAY	
TRUNCATED DOMES	
NEW PCC	
NEW GUTTER	
AC-FILL	
EXISTING PCC	

ADDITIVE ALTERNATIVE # 2
- DRAG LEVEL 1" AVERAGE IN TRAVEL LANE
- APPLY PAVING FABRIC
- 2" OVERLAY

TYPICAL SECTIONS FOR BASE-BID & ADDITIVE ALTERNATIVE #2



BASE BID



ADDITIVE ALTERNATIVE #2

PRELIMINARY PLANS (NOT FOR CONSTRUCTION)

No.	Revision/Issue	Date

City of ARCATA

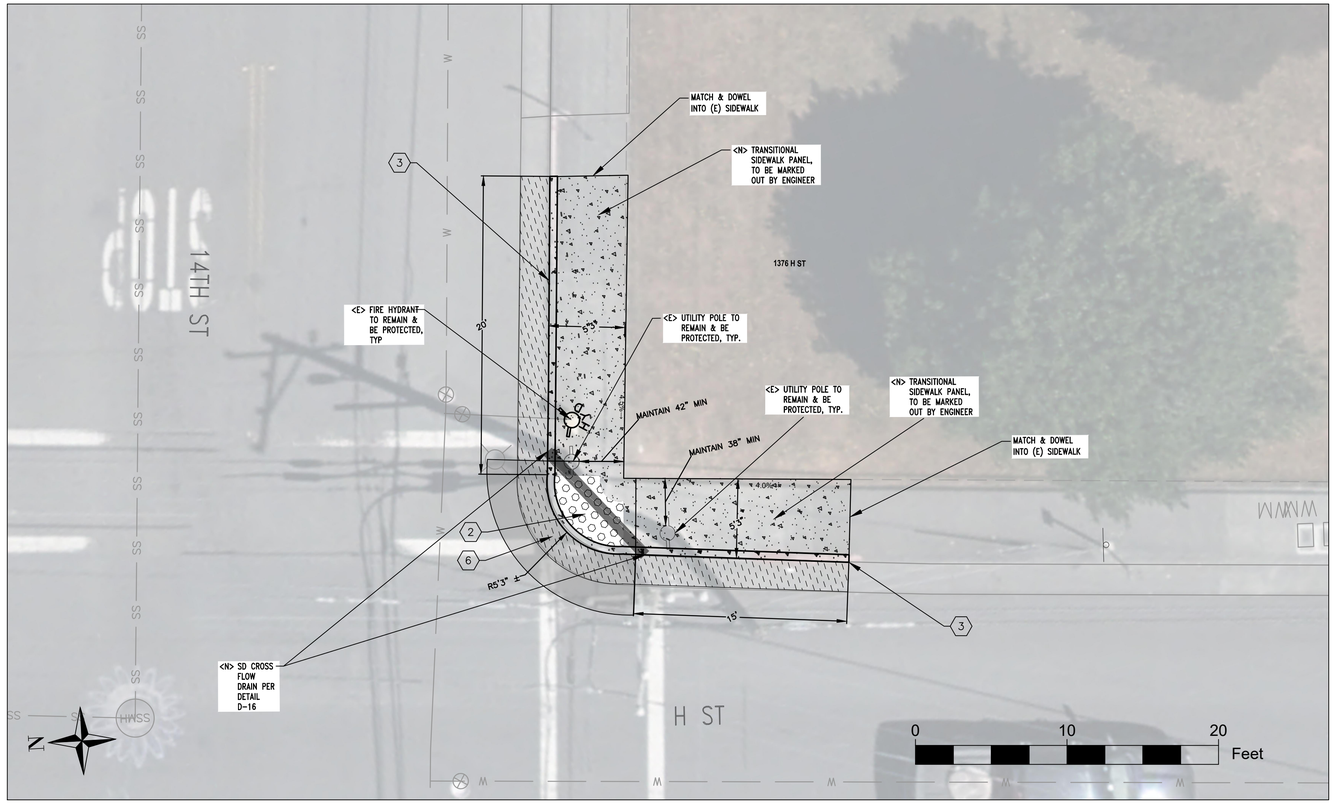
Sheet Title: WEST END ROAD FROM STA 10+80 TO STA 23+27

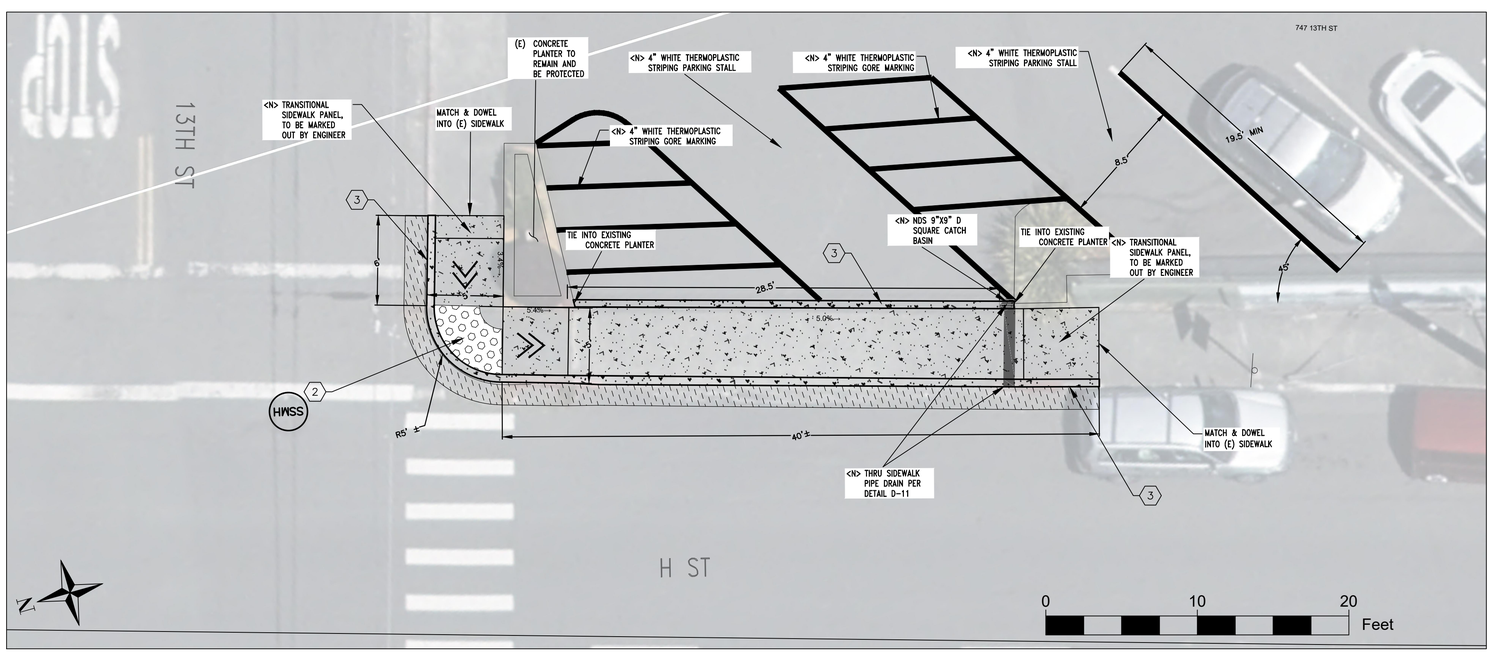
Project Name: 2023 ARCATA ANNUAL PAVING PROJECT

Project Address: VARIOUS LOCATIONS

Designed By: JONATHAN A. KIRCHUBEL
Drawn By: JONATHAN A. KIRCHUBEL
Checked By: DAVID CAISSE
Approved By: NETRA B. KHATRI

Date: MAY 2023
Sheet: C-107
Scale: 1:30
Page: 9





SHEET KEY NOTES	
1	(E) UTILITY POLE, FIRE HYDRANT, DI, ETC. TO REMAIN & BE PROTECTED
2	(N) PCC, TRUNCATED DOMES, & CURB RAMP PER DETAILS ST-11 & ST-12
3	(N) CURB / CURB AND GUTTER PER DETAIL ST-04
4	(N) TRUNCATED DOMES PER DETAIL ST-12B (SURFACE APPLIED)
5	(N) PCC & TRUNCATED DOMES PER DETAIL ST-12
6	(N) AC-FILL WITH 5% SLOPE MAX AND FLUSH WITH CURB
7	ADJUST CLEAN-OUT & VALVES TO GRADE PER DETAIL G-01
8	ADJUST MANHOLE TO GRADE PER DETAIL SS-08
9	(E) SIGN TO BE SALVAGED AND RESET PER DETAIL ST-93
10	(N) REPLACE EXISTING SIGN POST AND SET IN NEW LOCATION AS MARKED BY ENGINEER PER DETAIL ST-93

SHEET GENERAL NOTES

1. LEVEL LANDING SHALL NOT EXCEED 1.5% CROSS SLOPE IN EITHER DIRECTION.
2. SIDEWALK CROSS SLOPE SHALL NOT EXCEED 1.5%.
3. CURB RAMP RUNS SHALL NOT BE REQUIRED TO EXCEED 15' IN LENGTH, REGARDLESS OF SLOPE.
4. FOR SIDEWALKS AND RAMP TIE-INS TO EXISTING FACILITIES THAT ARE NON-COMPLIANT, REPLACE AN ADDITIONAL PANEL (OR PARTIAL THEREOF) FOR A TRANSITION. USE THAT TRANSITIONAL PANEL TO BLEND THE COMPLIANT SECTION TO THE NON-COMPLIANT SECTION.
5. ARROWS SHOWN ON CURB RAMPS INDICATE THE DIRECTION OF DECREASING ELEVATION.

LEGEND	
GRIND & INLAY	
CONFORM & EDGE GRIND	
OVERLAY	
TRUNCATED DOMES	
NEW PCC	
NEW GUTTER	
AC-FILL	
EXISTING PCC	

PRELIMINARY PLANS (NOT FOR CONSTRUCTION)

No.	Revision/Issue	Date

City of ARCATA

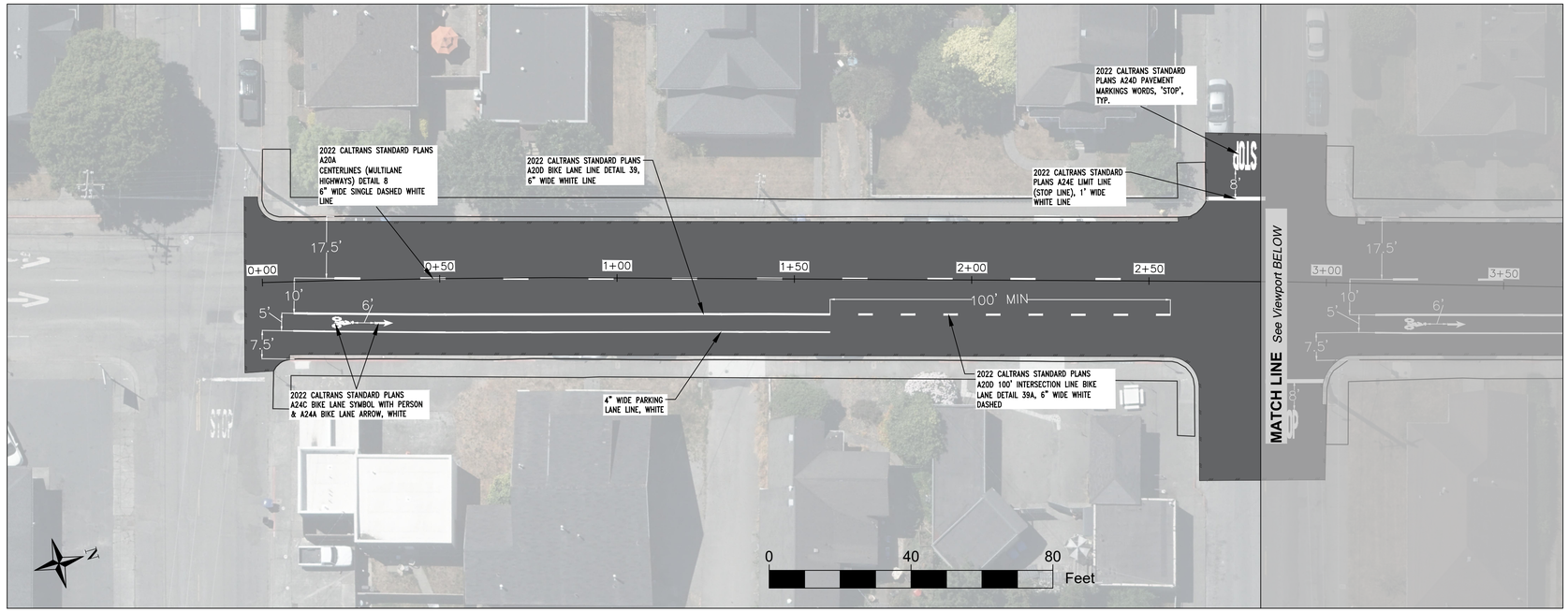
Sheet Title: 14TH & H STREET AND 13TH & H STREET

Project Name: 2023 ARCATA ANNUAL PAVING PROJECT

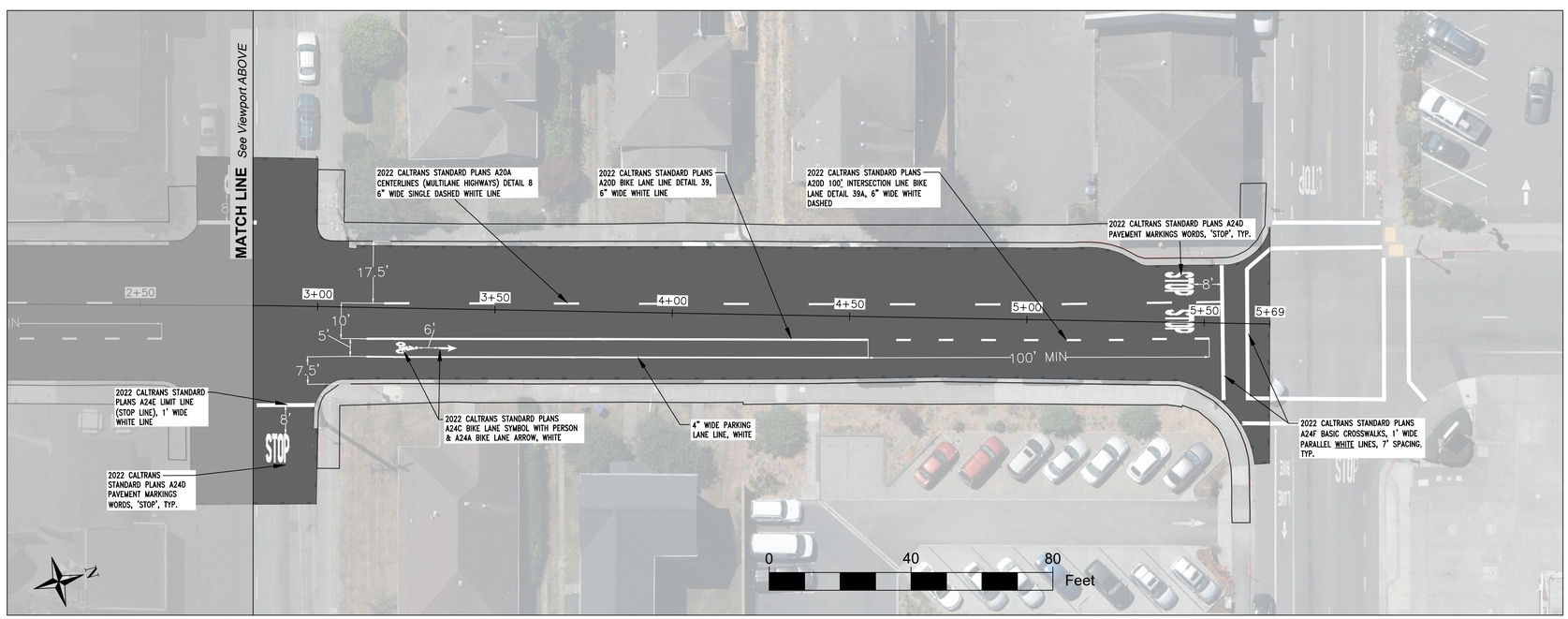
Project Address: VARIOUS LOCATIONS

Designed By: JONATHAN A. KIRCHUBEL
Drawn By: JONATHAN A. KIRCHUBEL
Checked By: DAVID CAISSE
Approved By: NETRA B. KHATRI

Date: MAY 2023
Sheet: C-108
Scale: 1:5
Page: 10



G STREET, STA 0+00 to 2+81



G STREET, STA 2+81 to 5+69

PRELIMINARY PLANS (NOT FOR CONSTRUCTION)

No.	Revision/Issue	Date

City of ARCATA

Sheet Title: G STREET FROM 5TH STREET TO 7TH STREET

Project Name: 2023 ARCATA ANNUAL PAVING PROJECT

Project Address: VARIOUS LOCATIONS

Designed By: JONATHAN A. KIRCHUBEL

Drawn By: JONATHAN A. KIRCHUBEL

Checked By: DAVID CAISSE

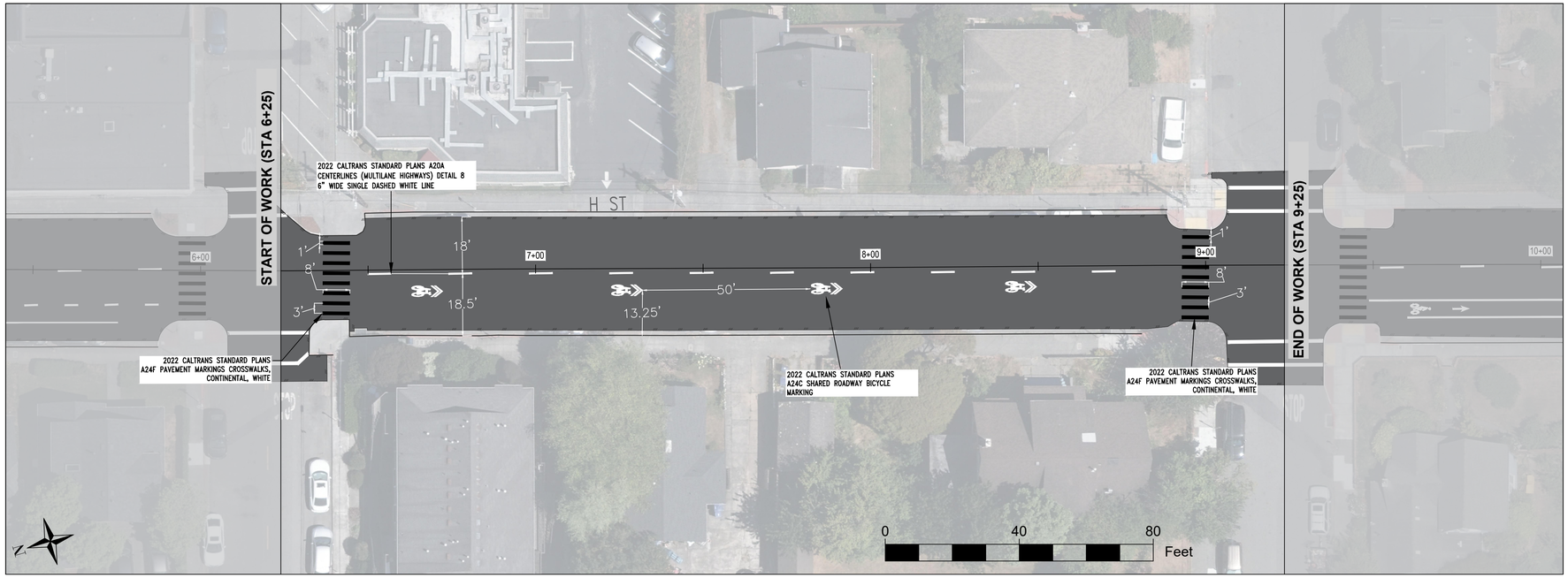
Approved By: NETRA B. KHATRI

Date: MAY 2023

Sheet: C-109

Scale: 1:20

Page: 11



H STREET, STA 6+25 to 9+25

PRELIMINARY PLANS
(NOT FOR
CONSTRUCTION)

No.	Revision/Issue	Date

City of ARCATA

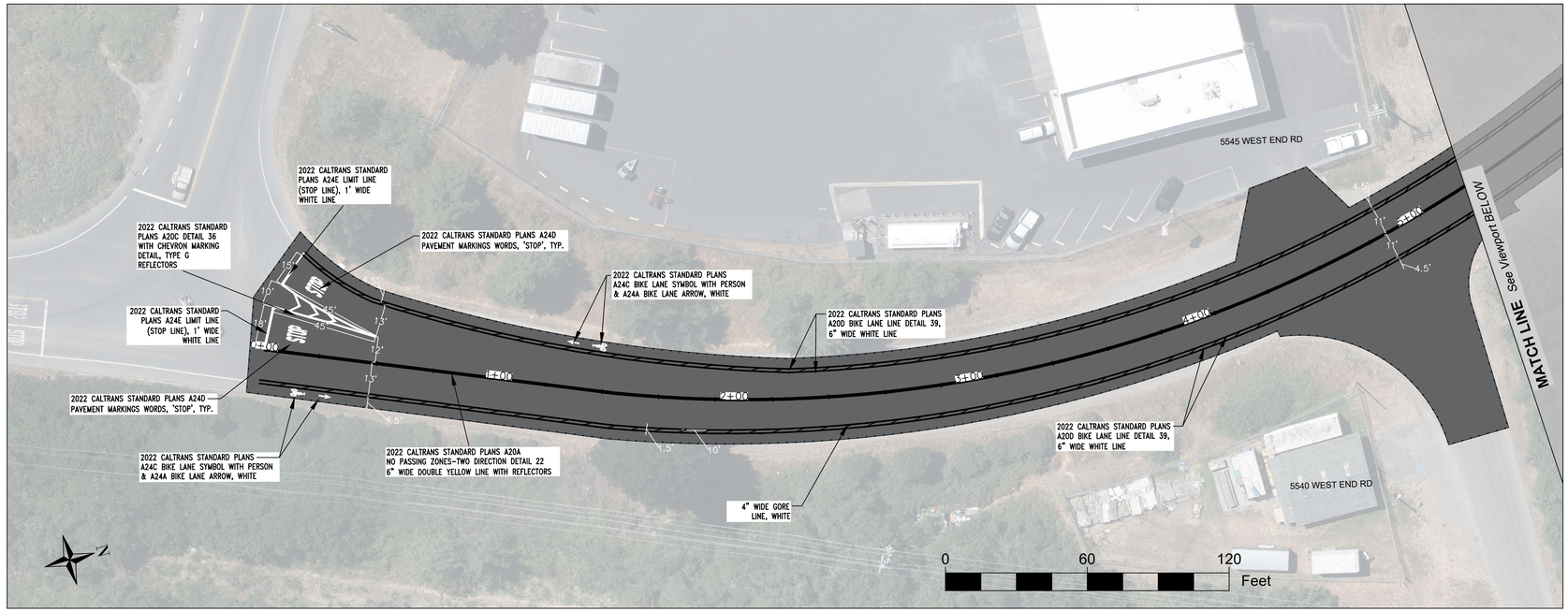
Sheet Title
H STREET
FROM 18TH STREET TO 17TH STREET

Project Name
2023 ARCATA ANNUAL PAVING PROJECT

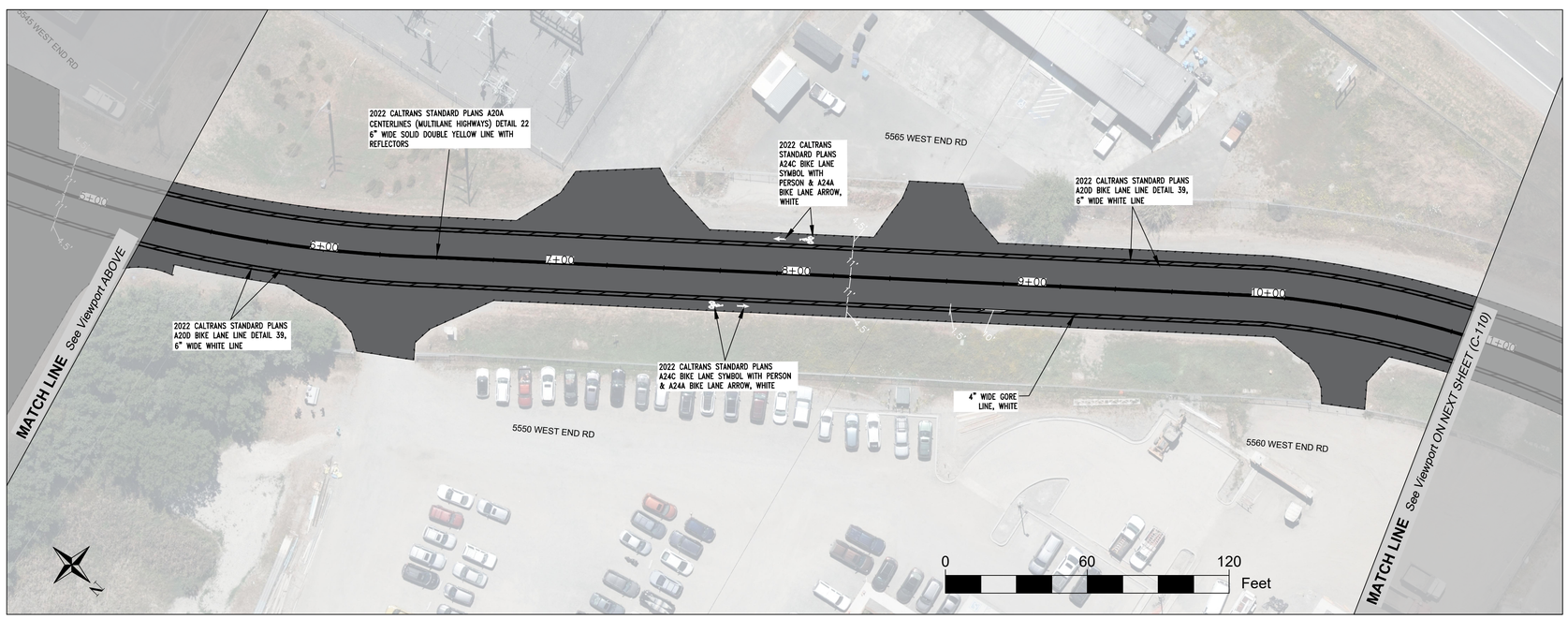
Project Address
VARIOUS LOCATIONS

Designed By JONATHAN A. KIRCHUBEL
Drawn By JONATHAN A. KIRCHUBEL
Checked By DAVID CAISSE
Approved By NETRA B. KHATRI

Date	Sheet
MAY 2023	C-110
Scale 1:20	Page 12



WEST END ROAD, STA 0+00 to 5+25



WEST END ROAD, STA 5+25 to 10+80

PRELIMINARY PLANS (NOT FOR CONSTRUCTION)

No.	Revision/Issue	Date

City of ARCATA

Sheet Title: WEST END ROAD FROM STA 0+00 TO STA 10+80

Project Name: 2023 ARCATA ANNUAL PAVING PROJECT

Project Address: VARIOUS LOCATIONS

Designed By: JONATHAN A. KIRCHUBEL

Drawn By: JONATHAN A. KIRCHUBEL

Checked By: DAVID CAISSE

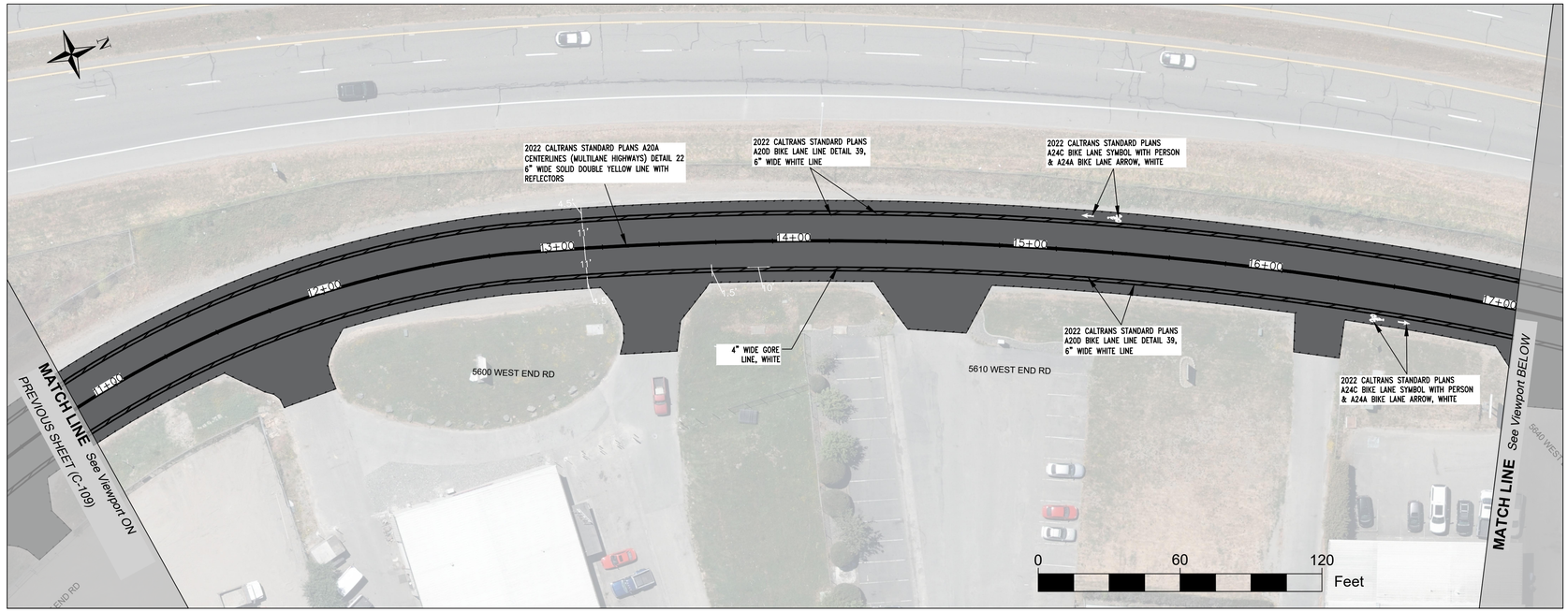
Approved By: NETRA B. KHATRI

Date: MAY 2023

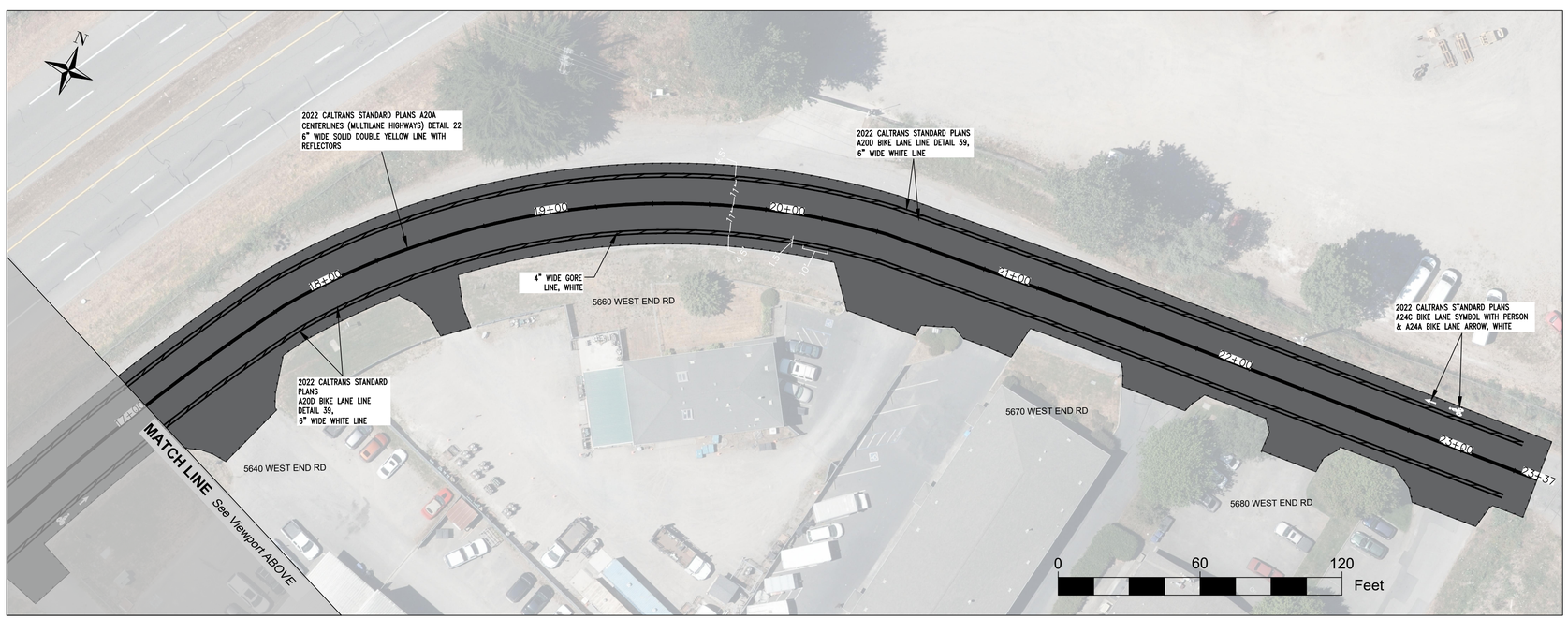
Sheet: C-111

Scale: 1:30

Page: 13



WEST END ROAD, STA 10+80 to 17+10



WEST END ROAD, STA 17+10 to 23+37

PRELIMINARY PLANS (NOT FOR CONSTRUCTION)

No.	Revision/Issue	Date

City of ARCATA

Sheet Title: WEST END ROAD FROM STA 10+80 TO STA 23+27

Project Name: 2023 ARCATA ANNUAL PAVING PROJECT

Project Address: VARIOUS LOCATIONS

Designed By: JONATHAN A. KIRCHUBEL

Drawn By: JONATHAN A. KIRCHUBEL

Checked By: DAVID CAISSE

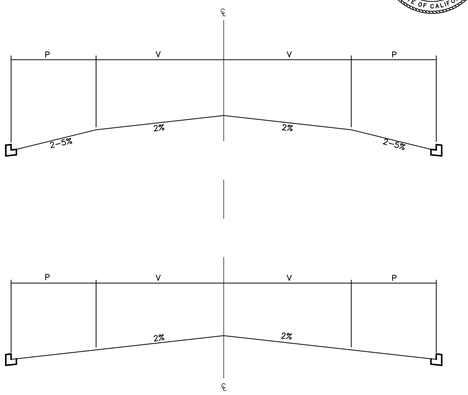
Approved By: NETRA B. KHATRI

Date: MAY 2023

Sheet: C-112

Scale: 1:30

Page: 14



NOTES:
1. DESIGN SHALL CONFORM TO THESE REQUIREMENTS EXCEPT AS OTHERWISE APPROVED BY THE CITY ENGINEER

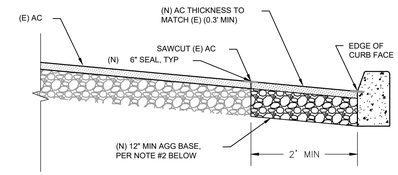
REVISION	BY	APPROVED	DATE
UPDATE	KLR	DFC	03/2023

CITY OF ARCATA

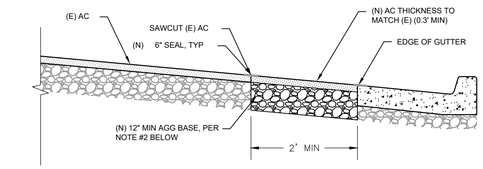
CROWNS

APPROVED BY: N. B. KHATRI, R.C.E. #75428

DRAWING NUMBER ST-22



SHEAR-IN AT CURB



SHEAR-IN AT GUTTER

NOTES:
1. DESIGN SHALL CONFORM TO THESE REQUIREMENTS EXCEPT AS OTHERWISE APPROVED BY THE CITY ENGINEER.
2. AGGREGATE BASE MATERIAL SHALL BE CALTRANS CLASS 2, MAX ¾" AGGREGATE BASE, COMPACTED TO 95% RELATIVE COMPACTION.
3. ASPHALT SHALL BE ½" TYPE-A HMA AS PER SECTION 39 OF THE CALTRANS STANDARD SPECIFICATIONS.
4. VERTICAL EDGES OF AC SHALL BE SWEPT CLEAN AND BINDER SHALL BE APPLIED PRIOR TO PAVING.
5. SHEAR-IN WIDTH MAY BE ALTERED BY CITY ENGINEER.
6. RETROFIT MAY ADJUST TO MATCH FIELD CONDITIONS IF APPROVED BY ENGINEER.
7. INSPECTION OF FINISHED WORK REQUIRED. SCHEDULE INSPECTION A MINIMUM OF 24 HOURS IN ADVANCE.
8. ALL JOINTS SHALL BE SEALED WITH A 6" WIDE STRIP OF EMULSIFIED ASPHALT (SS-1H) AND COVERED WITH 30-60 MESH FINE KLEEN BLAST.

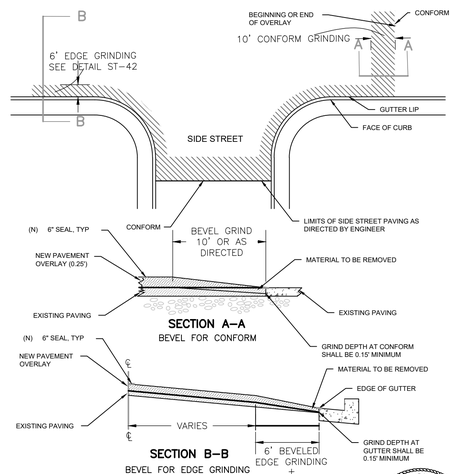
REVISION	BY	APPROVED	DATE
(ORIGINAL)	JEE	SRB	01/2001
UPDATE	KLR	DFC	07/2022

CITY OF ARCATA

ASPHALT SHEAR-IN

APPROVED BY: N. B. KHATRI, R.C.E. #75428

DRAWING NUMBER ST-44



NOTE:
1. CONFORM GRINDING IS INTENDED TO INSURE A GENTLE TRANSITION FROM EXISTING PAVEMENT TO NEW OVERLAY.
2. AFTER GRINDING, AREA TO BE SWEPT TO REMOVE DUST AND DEBRIS.
3. SPECIAL ATTENTION SHALL BE PAID TO VERTICAL SURFACES AT EDGES OF GRIND DURING APPLICATION OF ASPHALT BINDER.
4. WIDTH OF GRIND MAY VARY AT CITY ENGINEERS DISCRETION DUE TO SITE CONDITIONS.
5. ALL JOINTS SHALL BE SEALED WITH A 6" WIDE STRIP OF EMULSIFIED ASPHALT (SS-1H) AND COVERED WITH 30-60 MESH FINE KLEEN BLAST.

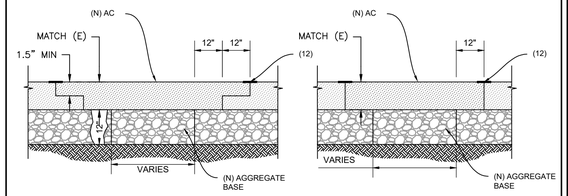
REVISION	BY	APPROVED	DATE
UPDATE	DR	DFC	09/2022

CITY OF ARCATA

BEVEL FOR EDGE AND CONFORM GRINDING

APPROVED BY: N. B. KHATRI, R.C.E. #75428

DRAWING NUMBER ST-41



T-CAP RESTORATION

T-CUT RESTORATION

NOTES
1. DESIGN SHALL CONFORM TO THESE REQUIREMENTS EXCEPT AS OTHERWISE APPROVED BY THE CITY ENGINEER.
2. T-CAP RESTORATION REQUIRED IN CITY STREETS THAT ARE CLASSIFIED BY THE CITY AS: FREEWAYS/HIGHWAYS, ARTERIALS, MINOR ARTERIALS, OR COLLECTORS.
3. FOR STREETS THAT HAVE BEEN PAVED AND/OR SLURRIED DURING THE LAST 5 YEARS THE CONTRACTOR SHALL PAVE TO WIDTH AND/OR LIMITS AS DIRECTED BY CITY ENGINEER.
   3.1. PAVING WIDTH SHALL BE 5' MINIMUM IF TRENCH IS PARALLEL TO DIRECTION OF TRAVEL. IF TRENCH SEAM FALLS WITHIN 2 FEET OF WHEEL PATH THEN EXTEND THE WIDTH OF PAVING BY 2' MINIMUM.
   3.2. PAVING WIDTH SHALL BE 6' MINIMUM IF TRENCH IS PERPENDICULAR TO DIRECTION OF TRAVEL. IF TRENCH SEAM FALLS WITHIN 2 FEET OF WHEEL PATH THEN EXTEND THE WIDTH OF PAVING BY 2' MINIMUM.
   3.3. ANY RESTORATION WORK RESULTING IN PONDING IN EXCESS OF ¼" SHALL BE REMOVED & REPLACED.
   3.4. PAVING OF TRENCH SHALL NOT EXCEED MORE THAN ¼" HEIGHT DIFFERENTIAL AS COMPARED TO THE EXISTING PAVEMENT.
4. AGGREGATE BASE MATERIAL SHALL BE CALTRANS CLASS 2 MAX ¾" AGGREGATE BASE, COMPACTED TO 95% RELATIVE COMPACTION.
5. ASPHALT SHALL BE ½" TYPE-A HMA AS PER SECTION 39 OF THE CALTRANS STANDARD SPECIFICATIONS, OR AS APPROVED BY CITY ENGINEER, AND SHALL BE INSTALLED IN 2 LIFTS MINIMUM (TYP).
6. VERTICAL EDGES OF AC SHALL BE SWEPT CLEAN AND BINDER SHALL BE APPLIED PRIOR TO PAVING.
7. ASPHALT THICKNESS TO MATCH EXISTING, BUT SHALL BE NO LESS THAN .3 INCHES.
8. BASE THICKNESS TO MATCH EXISTING, BUT SHALL BE NO LESS THAN 12".
9. PAVEMENT REMOVAL SHALL EMPLOY SAW CUTTING OR GRINDING.
10. RETROFIT MAY ADJUST TO MATCH FIELD CONDITIONS IF APPROVED BY ENGINEER.
11. INSPECTION OF FINISHED WORK REQUIRED. SCHEDULE INSPECTION A MINIMUM OF 24 HOURS IN ADVANCE.
12. ALL JOINTS SHALL BE SEALED WITH A 6" WIDE STRIP OF EMULSIFIED ASPHALT (SS-1H) AND COVERED WITH 30-60 MESH FINE KLEEN BLAST.

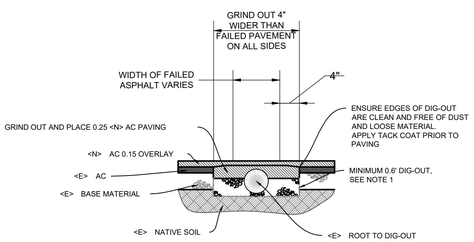
REVISION	BY	APPROVED	DATE
(ORIGINAL)	JEE	SRB	01/2001
REVISED	MA	DFC	03/2023

CITY OF ARCATA

PAVEMENT RESTORATION

APPROVED BY: N. B. KHATRI, R.C.E. #75428

DRAWING NUMBER ST-30



NOTES:
1. DEPTH OF DIG-OUT VARIES WITH SIZE OF ROOT, MAX DEPTH, FROM <E> SURFACE, NOT TO EXCEED ONE FOOT (1').
2. CITY TO INSPECT DIG-OUT AREA PRIOR TO COMPACTING OR PAVING.
3. COMPACT NEW BASE MATERIAL TO 95% RELATIVE COMPACTION

REVISION	BY	APPROVED	DATE
UPDATE	JAK		

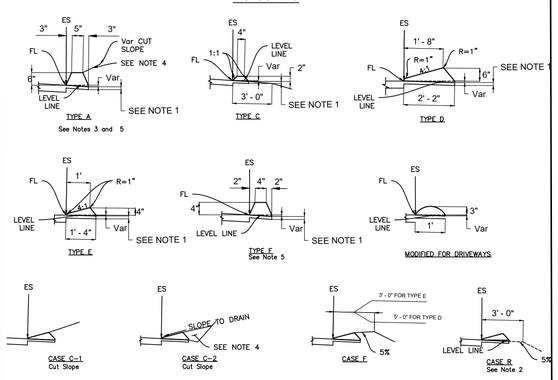
CITY OF ARCATA

AC ROOT DIG-OUT

APPROVED BY: N. B. KHATRI, R.C.E. #75428

DRAWING NUMBER ST-106

AC-CURBS



NOTES:
1. For HMA shoulders only, extend top layer of HMA placed on the shoulder under dike with no joint at the ES. For projects with OGFC shoulders, do not extend 4. OGFC under AC-Curb. See project plans for modified AC-Curb detail.
2. Case R applies to retrofit only projects where restrictive conditions do not provide enough width for Case F backfill.
3. Type A AC-Curb only to be used where restrictive slope conditions do not provide enough width to use Type D or Type E AC-Curb.
4. Fill and compact with excavated material to top of AC-Curb.
5. Use Type A or F AC-curb, where AC-Curb is required with guardrail installations. See Standard Plan A77N4 for AC-Curb positioning details. See Standard Plan A77N3 for hinge point offsets with guardrail.

AC-CURB QUANTITIES

TYPE	CUBIC YARDS PER LINEAR FOOT
A	0.0130
D	0.0038
D	0.0293
E	0.0130
F	0.0066

Quantities based on 5% cross slope.

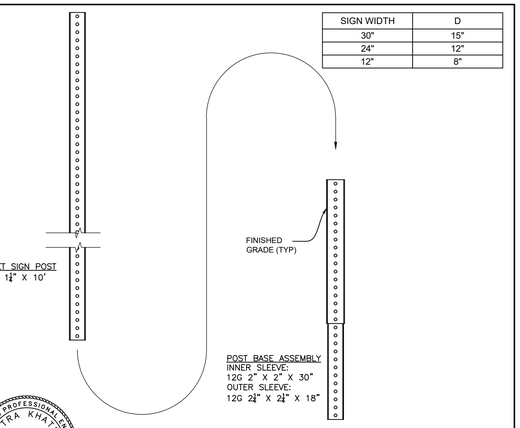
REVISION	BY	APPROVED	DATE
UPDATE	JAK		

CITY OF ARCATA

HOT MIX ASPHALT CURBS

APPROVED BY: N. B. KHATRI, R.C.E. #75428

DRAWING NUMBER ST-107



SIGN WIDTH	D
30"	15"
24"	12"
12"	8"

NOTES:
1. WRAP BASE ASSEMBLY TO PREVENT CONCRETE INTRUSION.
2. SIGN POST TO BE INSERTED THE FULL 30" DEPTH AND FASTENED WITH ALUMINUM DRIVE RIVET.
3. BOTTOM OF SIGN SHALL BE 7' MINIMUM FROM FINISHED GRADE.
4. DESIGN SHALL CONFORM TO THESE REQUIREMENTS EXCEPT AS OTHERWISE APPROVED BY THE CITY ENGINEER.
5. INSPECTION OF FORMS AND FINISHED WORK REQUIRED. SCHEDULE INSPECTION A MINIMUM OF 24 HOURS IN ADVANCE.

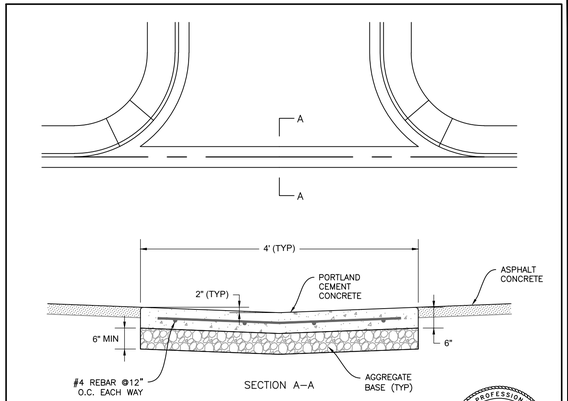
REVISION	BY	APPROVED	DATE
UPDATE	KLR	DFC	03/2023

CITY OF ARCATA

STREET SIGN POST BASE

APPROVED BY: N. B. KHATRI, R.C.E. #75428

DRAWING NUMBER ST-93



NOTES:
1. DESIGN SHALL CONFORM TO THESE REQUIREMENTS EXCEPT AS OTHERWISE APPROVED BY THE CITY ENGINEER.
2. ALL CONCRETE SHALL BE 560-C-3250 AS PER THE "GREENBOOK" STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
3. ALL ROUNDED CORNERS TO BE ½" RADIUS UNLESS OTHERWISE SPECIFIED.
4. AGGREGATE BASE MATERIAL SHALL BE CALTRANS CLASS 2, MAX ¾" AGGREGATE BASE, COMPACTED TO 95% RELATIVE COMPACTION.
5. RETROFIT MAY ADJUST TO MATCH FIELD CONDITIONS IF APPROVED BY ENGINEER.
6. INSPECTION OF FORMS AND FINISHED WORK REQUIRED. SCHEDULE INSPECTION A MINIMUM OF 24 HOURS IN ADVANCE.
7. WIDTH OF VALLEY GUTTER TO VARY AS NEEDED.

REVISION	BY	APPROVED	DATE
UPDATE	KLR	DFC	07/2022

CITY OF ARCATA

VALLEY GUTTERS

APPROVED BY: N. B. KHATRI, R.C.E. #75428

DRAWING NUMBER ST-15A

PRELIMINARY PLANS (NOT FOR CONSTRUCTION)

No.	Revision/Issue	Date

City of ARCATA

Sheet Title: STANDARD DETAILS #1

Project Name: 2023 ARCATA ANNUAL PAVING PROJECT

Project Address: VARIOUS LOCATIONS

Designed By: JONATHAN A. KIRCHUBEL

Drawn By: JONATHAN A. KIRCHUBEL

Checked By: DAVID CAISSE

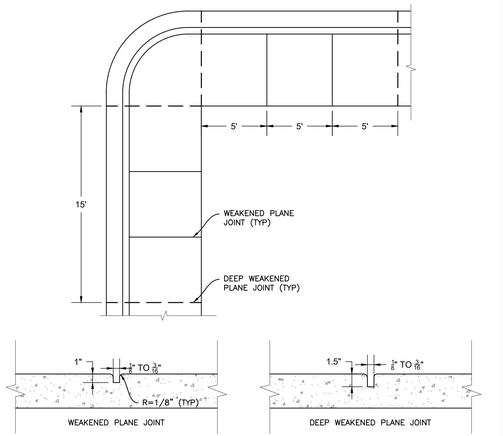
Approved By: NETRA B. KHATRI

Date: MAY 2023

Sheet: CD-501

Scale: N.T.S.

Page: 15



NOTES:
1. SEE CITY STANDARD DETAILS FOR SIDEWALK, CURB, AND GUTTER DESIGN AND INSTALLATION REQUIREMENTS AS NEEDED.
2. DESIGN SHALL CONFORM TO THESE REQUIREMENTS EXCEPT AS OTHERWISE APPROVED BY THE CITY ENGINEER.
3. ALL CONCRETE SHALL BE 520–C–2500 AS PER THE "GREENBOOK" STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
4. DEEP WEAKENED PLANE JOINTS TO EXTEND THROUGH CURB AND GUTTER.
5. AGGREGATE BASE MATERIAL SHALL BE CALTRANS CLASS 2, MAX ¾" AGGREGATE BASE, COMPACTED TO 95% RELATIVE COMPACTION.
6. WIDTH OF SIDEWALK MAY VARY AND SHALL BE APPROVED BY ENGINEER.
7. RETROFIT MAY ADJUST TO MATCH FIELD CONDITIONS IF APPROVED BY ENGINEER.
8. INSPECTION OF FORMS AND FINISHED WORK REQUIRED. SCHEDULE INSPECTION A MINIMUM OF 24 HOURS IN ADVANCE.

REGISTERED PROFESSIONAL ENGINEER NETRA KHATRI 75428 CIVIL STATE OF CALIFORNIA

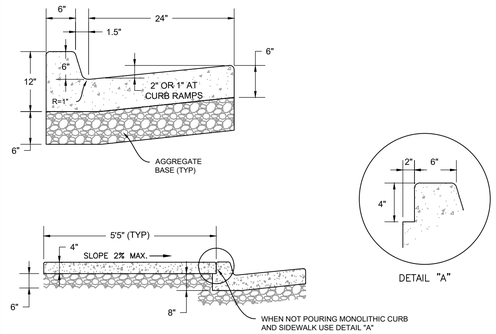
REVISION	BY	APPROVED	DATE
(ORIGINAL)	TWB	RCC	06/2005
UPDATE	DR	DFC	03/2023

CITY OF ARCATA

WEAKENED PLANE JOINTS

APPROVED BY: N. B. KHATRI, R.C.E. #75428

DRAWING NUMBER ST–07



NOTES:
1. SEE CITY STD DTL "WEAKENED PLANE JOINTS" FOR LOCATION OF WEAKENED PLANES AND JOINTS.
2. DESIGN SHALL CONFORM TO THESE REQUIREMENTS EXCEPT AS OTHERWISE APPROVED BY THE CITY ENGINEER.
3. ALL CONCRETE SHALL BE 520–C–2500 AS PER THE "GREENBOOK" STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
4. ALL ROUNDED CORNERS TO BE ½" RADIUS UNLESS OTHERWISE SPECIFIED.
5. AGGREGATE BASE MATERIAL SHALL BE CALTRANS CLASS 2, MAX ¾" AGGREGATE BASE, COMPACTED TO 95% RELATIVE COMPACTION.
6. WHEN NEW SIDEWALK ABUTS EXISTING SIDEWALK DOWELS SHALL BE USED TO PREVENT UNEVEN SETTLING: USE 12" OF #3 REBAR AT 12" O.C.
7. BACK OF WALK TO ALIGN WITH PUBLIC RIGHT–OF–WAY LINE UNLESS OTHERWISE APPROVED BY CITY ENGINEER.
8. WIDTH OF SIDEWALK MAY VARY AND SHALL BE APPROVED BY ENGINEER.
9. RETROFIT MAY ADJUST TO MATCH FIELD CONDITIONS IF APPROVED BY ENGINEER.
10. INSPECTION OF FORMS AND FINISHED WORK REQUIRED. SCHEDULE INSPECTION A MINIMUM OF 24 HOURS IN ADVANCE.

REGISTERED PROFESSIONAL ENGINEER NETRA KHATRI 75428 CIVIL STATE OF CALIFORNIA

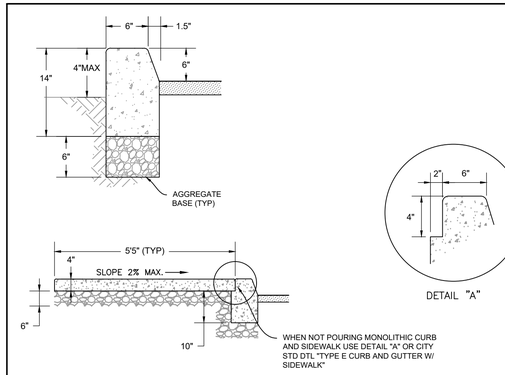
REVISION	BY	APPROVED	DATE
(ORIGINAL)	TWB	RCC	06/2005
UPDATE	DR	DFC	03/2023

CITY OF ARCATA

A2 CURB & GUTTER W/ SIDEWALK

APPROVED BY: N. B. KHATRI, R.C.E. #75428

DRAWING NUMBER SW–02



NOTES:
1. SIDEWALK AND CURB RAMPS WITHIN ALL CURB RETURNS SHALL BE A MINIMUM OF 6" THICK
2. SEE CITY STD DTL "WEAKENED PLANE JOINTS" FOR LOCATION AND DESIGN REQUIREMENTS OF WEAKENED PLANES AND JOINTS.
3. DESIGN SHALL CONFORM TO THESE REQUIREMENTS EXCEPT AS OTHERWISE APPROVED BY THE CITY ENGINEER.
4. ALL CONCRETE SHALL BE 520–C–2500 AS PER THE "GREENBOOK" STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
5. ALL ROUNDED CORNERS TO BE ½" RADIUS UNLESS OTHERWISE SPECIFIED.
6. AGGREGATE BASE MATERIAL SHALL BE CALTRANS CLASS 2, MAX ¾" AGGREGATE BASE, COMPACTED TO 95% RELATIVE COMPACTION.
7. WHEN NEW SIDEWALK ABUTS EXISTING SIDEWALK DOWELS SHALL BE USED TO PREVENT UNEVEN SETTLING: USE 12" OF #3 REBAR AT 12" O.C.
8. BACK OF WALK TO ALIGN WITH PUBLIC RIGHT–OF–WAY LINE UNLESS OTHERWISE APPROVED BY CITY ENGINEER.
9. WIDTH OF SIDEWALK MAY VARY AND SHALL BE APPROVED BY ENGINEER.
10. RETROFIT MAY ADJUST TO MATCH FIELD CONDITIONS IF APPROVED BY ENGINEER.
11. INSPECTION OF FORMS AND FINISHED WORK REQUIRED. SCHEDULE INSPECTION A MINIMUM OF 24 HOURS IN ADVANCE.

REGISTERED PROFESSIONAL ENGINEER NETRA KHATRI 75428 CIVIL STATE OF CALIFORNIA

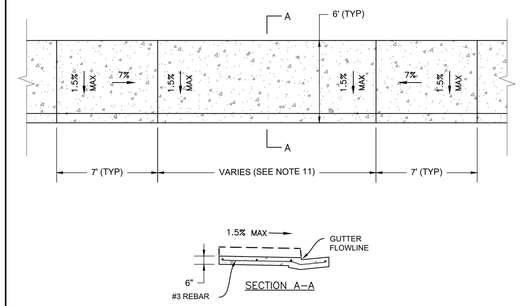
REVISION	BY	APPROVED	DATE
UPDATE	DR	DFC	03/2023

CITY OF ARCATA

A1 CURB W/SIDEWALK

APPROVED BY: N. B. KHATRI, R.C.E. #75428

DRAWING NUMBER SW–01



NOTES:
1. SEE CITY STD DTL "WEAKENED PLANE JOINTS" FOR LOCATION AND DESIGN REQUIREMENTS OF WEAKENED PLANES AND JOINTS.
2. DESIGN SHALL CONFORM TO THESE REQUIREMENTS EXCEPT AS OTHERWISE APPROVED BY THE CITY ENGINEER.
3. ALL CONCRETE SHALL BE 520–C–2500 AS PER THE "GREENBOOK" STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
4. ALL ROUNDED CORNERS TO BE ½" RADIUS UNLESS OTHERWISE SPECIFIED.
5. AGGREGATE BASE MATERIAL SHALL BE CALTRANS CLASS 2, MAX ¾" AGGREGATE BASE, COMPACTED TO 95% RELATIVE COMPACTION.
6. WHEN NEW SIDEWALK ABUTS EXISTING SIDEWALK DOWELS SHALL BE USED TO PREVENT UNEVEN SETTLING: USE 12" OF #3 REBAR AT 12" O.C.
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8. WIDTH OF SIDEWALK MAY VARY AND SHALL BE APPROVED BY ENGINEER.
9. RETROFIT MAY ADJUST TO MATCH FIELD CONDITIONS IF APPROVED BY ENGINEER.
10. INSPECTION OF FORMS AND FINISHED WORK REQUIRED. SCHEDULE INSPECTION A MINIMUM OF 24 HOURS IN ADVANCE.
11. THE WIDTH OF THE DRIVEWAY AT THE FLOW LINE SHALL BE NO LESS THAN 10' AND NO MORE THAN 30' UNLESS OTHERWISE PRESCRIBED BY CITY MUNICIPAL CODE.
12. #3 REBAR AT 30" O.C. EACH WAY FOR RESIDENTIAL DRIVEWAYS, #4 REBAR AT 18" O.C. EACH WAY FOR COMMERCIAL DRIVEWAYS.
13. 12" LONG #3 REBAR DOWELS (TO BE INSTALLED WITH EPOXY) AT 30" O.C. IF DRIVEWAY IS CONNECTED TO EXISTING WALK AND/OR GUTTER.

REGISTERED PROFESSIONAL ENGINEER NETRA KHATRI 75428 CIVIL STATE OF CALIFORNIA

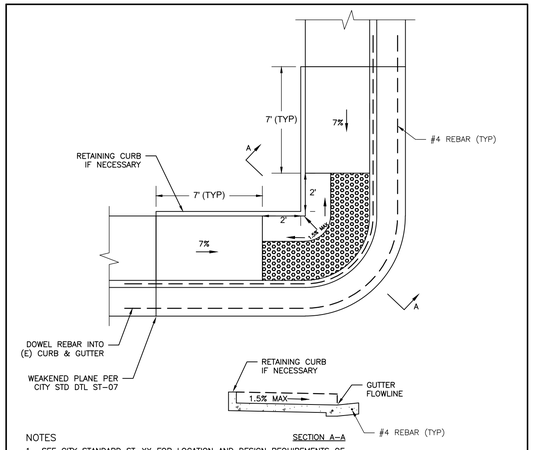
REVISION	BY	APPROVED	DATE
UPDATE	KLR	DFC	07/2022
UPDATE	DR	DFC	03/2023

CITY OF ARCATA

DRIVEWAY

APPROVED BY: N. B. KHATRI, R.C.E. #75428

DRAWING NUMBER ST–08



NOTES
1. SEE CITY STANDARD ST–XX FOR LOCATION AND DESIGN REQUIREMENTS OF WEAKENED PLANES AND JOINTS.
2. DESIGN SHALL CONFORM TO THESE REQUIREMENTS EXCEPT AS OTHERWISE APPROVED BY THE CITY ENGINEER.
3. ALL CONCRETE SHALL BE 520–C–2500 AS PER THE "GREENBOOK" STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
4. ALL ROUNDED CORNERS TO BE ½" RADIUS UNLESS OTHERWISE SPECIFIED.
5. AGGREGATE BASE MATERIAL SHALL BE CALTRANS CLASS 2, MAX ¾" AGGREGATE BASE, COMPACTED TO 95% RELATIVE COMPACTION.
6. WHEN NEW SIDEWALK ABUTS EXISTING SIDEWALK DOWELS SHALL BE USED TO PREVENT UNEVEN SETTLING: USE 12" OF #3 REBAR AT 12" O.C.
7. BACK OF WALK TO ALIGN WITH PUBLIC RIGHT–OF–WAY LINE UNLESS OTHERWISE APPROVED BY CITY ENGINEER.
8. WIDTH OF SIDEWALK MAY VARY AND SHALL BE APPROVED BY ENGINEER.
9. RETROFIT MAY ADJUST TO MATCH FIELD CONDITIONS IF APPROVED BY ENGINEER.
10. INSPECTION OF FORMS AND FINISHED WORK REQUIRED. SCHEDULE INSPECTION A MINIMUM OF 24 HOURS IN ADVANCE.

REGISTERED PROFESSIONAL ENGINEER NETRA KHATRI 75428 CIVIL STATE OF CALIFORNIA

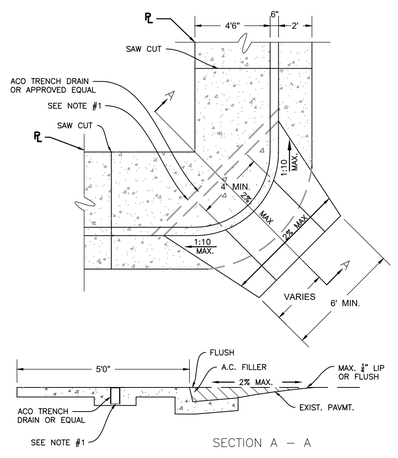
REVISION	BY	APPROVED	DATE
(ORIGINAL)	JEE	SRB	01/2001
UPDATE	JAK	DFC	03/2023

CITY OF ARCATA

CORNER RAMP

APPROVED BY: N. B. KHATRI, R.C.E. #75428

DRAWING NUMBER ST–12



NOTES
1. REMOVE AND REPLACE SIDEWALK, CURB, AND GUTTER, OR SAWCUT SIDEWALK AND INSTALL ACO TRENCH DRAIN OR APPROVED EQUAL. (VERIFY WITH CITY ENGINEER).
2. WHEN GUTTER SLOPES AWAY FROM CORNER, DRAIN PIPE IS NOT REQUIRED.
3. INSTALL ACO TRENCH DRAIN OR EQUAL AS PER MANUFACTURES SPECIFICATIONS.
4. RAMP CANNOT EXTEND OUT INTO TRAVELED WAY.

REGISTERED PROFESSIONAL ENGINEER NETRA KHATRI 75428 CIVIL STATE OF CALIFORNIA

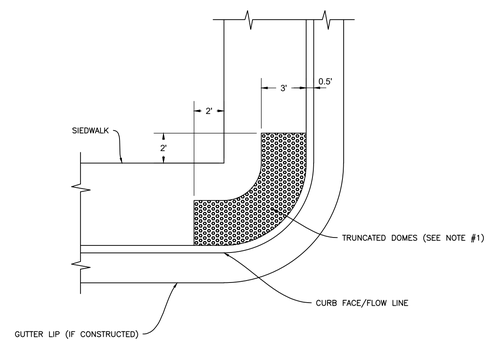
REVISION	BY	APPROVED	DATE
(ORIGINAL)	TWB	RCC	06/2005
UPDATE	DR	DFC	03/2023

CITY OF ARCATA

TYPE II R BUILT UP CURB RAMP

APPROVED BY: N. B. KHATRI, R.C.E. #75428

DRAWING NUMBER ST–11



PLAN VIEW

NOTES:
1. TRUNCATED DOME PATTERN – CALTRANS STANDARD A88A
2. TRUNCATED DOME MATERIALS – MATERIALS SHALL BE PLACED IN FRESHLY POURED CONCRETE.

REGISTERED PROFESSIONAL ENGINEER NETRA KHATRI 75428 CIVIL STATE OF CALIFORNIA

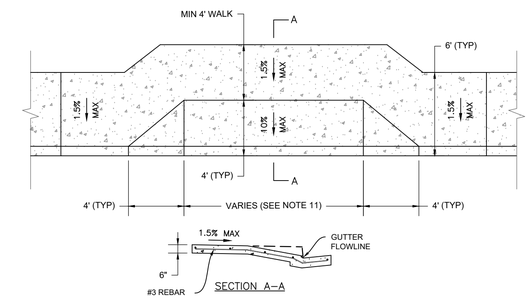
REVISION	BY	APPROVED	DATE
(ORIGINAL)	TWB	RCC	06/2005
UPDATE	JAK	DFC	03/2023

CITY OF ARCATA

TRUNCATED DOMES

APPROVED BY: N. B. KHATRI, R.C.E. #75428

DRAWING NUMBER ST–12B



NOTES:
1. SEE CITY STD DTL "WEAKENED PLANE JOINTS" FOR LOCATION AND DESIGN REQUIREMENTS OF WEAKENED PLANES AND JOINTS.
2. DESIGN SHALL CONFORM TO THESE REQUIREMENTS EXCEPT AS OTHERWISE APPROVED BY THE CITY ENGINEER.
3. ALL CONCRETE SHALL BE 520–C–2500 AS PER THE "GREENBOOK" STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
4. ALL ROUNDED CORNERS TO BE ½" RADIUS UNLESS OTHERWISE SPECIFIED.
5. AGGREGATE BASE MATERIAL SHALL BE CALTRANS CLASS 2, MAX ¾" AGGREGATE BASE, COMPACTED TO 95% RELATIVE COMPACTION.
6. WHEN NEW SIDEWALK ABUTS EXISTING SIDEWALK DOWELS SHALL BE USED TO PREVENT UNEVEN SETTLING: USE 12" OF #3 REBAR AT 12" O.C.
7. BACK OF WALK TO ALIGN WITH PUBLIC RIGHT–OF–WAY LINE UNLESS OTHERWISE APPROVED BY CITY ENGINEER.
8. WIDTH OF SIDEWALK MAY VARY AND SHALL BE APPROVED BY ENGINEER.
9. RETROFIT MAY ADJUST TO MATCH FIELD CONDITIONS IF APPROVED BY ENGINEER.
10. INSPECTION OF FORMS AND FINISHED WORK REQUIRED. SCHEDULE INSPECTION A MINIMUM OF 24 HOURS IN ADVANCE.
11. THE WIDTH OF THE DRIVEWAY AT THE FLOW LINE SHALL BE NO LESS THAN 10' AND NO MORE THAN 30' UNLESS OTHERWISE PRESCRIBED BY CITY MUNICIPAL CODE.
12. #3 REBAR AT 30" O.C. EACH WAY FOR RESIDENTIAL DRIVEWAYS, #4 REBAR AT 18" O.C. EACH WAY FOR COMMERCIAL DRIVEWAYS.
13. 12" LONG #3 REBAR DOWELS (TO BE INSTALLED WITH EPOXY) AT 30" O.C. IF DRIVEWAY IS CONNECTED TO EXISTING WALK AND/OR GUTTER.

REGISTERED PROFESSIONAL ENGINEER NETRA KHATRI 75428 CIVIL STATE OF CALIFORNIA

REVISION	BY	APPROVED	DATE
UPDATE	KLR	DFC	07/2022
UPDATE	DR	DFC	03/2023

CITY OF ARCATA

WALKABOUT DRIVEWAY

APPROVED BY: N. B. KHATRI, R.C.E. #75428

DRAWING NUMBER ST–09

PRELIMINARY PLANS (NOT FOR CONSTRUCTION)

No.	Revision/Issue	Date

City of ARCATA

Sheet Title: STANDARD DETAILS #2

Project Name: 2023 ARCATA ANNUAL PAVING PROJECT

Project Address: VARIOUS LOCATIONS

Designed By: JONATHAN A. KIRCHUBEL

Drawn By: JONATHAN A. KIRCHUBEL

Checked By: DAVID CAISSE

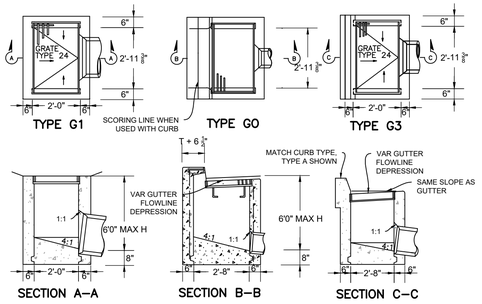
Approved By: NETRA B. KHATRI

Date: MAY 2023

Sheet: CD–502

Scale: N.T.S.

Page: 16



NOTES:
1. "H" IS THE DIFFERENCE IN ELEVATION BETWEEN THE OUTLET PIPE FLOW LINE AND THE NORMAL GUTTER GRADE LINE UNDEPRESSED.
2. WALL REINFORCING NOT REQUIRED WHEN "H" IS 8'–0" OR LESS AND THE UNSUPPORTED WIDTH OR LENGTH IS 7'–0" OR LESS. WALLS EXCEEDING THESE LIMITS SHALL BE REINFORCED WITH #4 BARS @ 1'–6" ℄ CENTERS PLACED 1" CLEAR TO INSIDE OF BOX UNLESS OTHERWISE SHOWN.
3. DETAILS SHOWN APPLY TO BOTH METAL AND CONCRETE PIPE.
4. PIPE(S) CAN BE PLACED IN ANY WALL OR FLOOR.
5. CURB SECTION SHALL MATCH ADJACENT CURB.
7. BASIN FLOORS SHALL HAVE WOOD TROWEL FINISH AND SHALL SLOPE TOWARD THE OUTLET PIPE AS SHOWN.
8. SET INLET SO THAT GRATE BARS ARE PARALLEL TO DIRECTION OF PRINCIPAL SURFACE FLOW.
9. CAST–IN–PLACE OR PRECAST ALTERNATIVE IS OPTIONAL WITH CONTRACTOR. SEE STANDARD SPECIFICATIONS.

REGISTERED PROFESSIONAL ENGINEER NETRA KHATRI 75428 CIVIL STATE OF CALIFORNIA

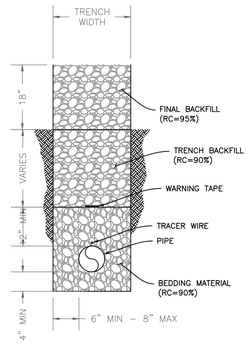
REVISION	BY	APPROVED	DATE
UPDATE			

CITY OF ARCATA

TYPICAL DRAIN INLETS

APPROVED BY: N. B. KHATRI, R.C.E. #75428

DRAWING NUMBER D–04



NOTES
1. FOR TRENCH RESURFACING IN IMPROVED STREETS REFER TO CITY STD DTL ST–30 FOR PAVEMENT INSTALLATION REQUIREMENTS.
2. WHERE COVER IS LESS THAN 30" SPECIAL DESIGN IS REQUIRED AND SHALL BE APPROVED BY CITY ENGINEER.
3. BEDDING MATERIAL SHALL CONFORM TO THE "GREENBOOK" STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
4. TRENCH BACKFILL MATERIAL SHALL CONFORM TO THE "GREENBOOK" STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
5. WARNING TAPE TO BE INSTALLED 12" ABOVE PIPE.
6. DESIGN SHALL CONFORM TO THESE REQUIREMENTS EXCEPT AS OTHERWISE APPROVED BY THE CITY ENGINEER
7. RETROFIT MAY ADJUST TO MATCH FIELD CONDITIONS IF APPROVED BY ENGINEER.
8. INSPECTION OF FORMS AND FINISHED WORK REQUIRED. SCHEDULE INSPECTION A MINIMUM OF 24 HOURS IN ADVANCE.

REGISTERED PROFESSIONAL ENGINEER NETRA KHATRI 75428 CIVIL STATE OF CALIFORNIA

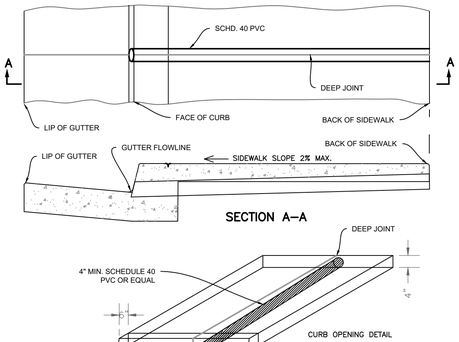
REVISION	BY	APPROVED	DATE
UPDATE	KLR	DFC	07/2022

CITY OF ARCATA

TRENCH BACKFILL

APPROVED BY: N. B. KHATRI, R.C.E. #75428

DRAWING NUMBER G–02



NOTES:
1. ON SITE DRAINAGE AND LOCATION OF CURB OUTLETS SHALL BE BY OWNER AS APPROVED BY THE CITY ENGINEER.
2. DRAIN PIPE SHALL BE INSTALLED SO THAT TOP OF PIPE IS 2" MINIMUM BELOW TOP OF SIDEWALK.
3. FLOOD LINE OF PIPE TO BE INSTALLED BELOW FLOOD LINE OF GUTTER
4. SIDEWALK DRAIN TO BE 4" OR LARGER SCHEDULE 40 RIDGID POLYVINYL CHLORIDE PIPE OR APPROVED EQUAL.
5. DEEP JOINTS TO BE PLACED OVER FULL LENGTH OF PIPE TO GUTTER. TO BE APPROVED BY THE CITY ENGINEER.
6. SMOOTH FACE OF GUTTER AT PIPE SHALL BE MAINTAINED WITH NO GAPS.

REGISTERED PROFESSIONAL ENGINEER NETRA KHATRI 75428 CIVIL STATE OF CALIFORNIA

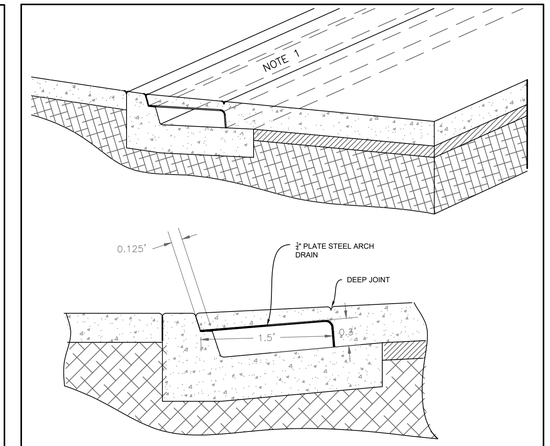
REVISION	BY	APPROVED	DATE
UPDATE			

CITY OF ARCATA

THRU SIDEWALK PIPE DRAIN

APPROVED BY: N. B. KHATRI, R.C.E. #75428

DRAWING NUMBER D–11



NOTES:
1 INVERT GRADE CONFORMS TO SIDEWALK GRADE SHOWN ON PLANS.
2 STEEL MAY BE ATTACHED TO EXISTING CURB FACE USING ANGLE IRON TABS AND ⅜" CONCRETE ANCHORS.

REGISTERED PROFESSIONAL ENGINEER NETRA KHATRI 75428 CIVIL STATE OF CALIFORNIA

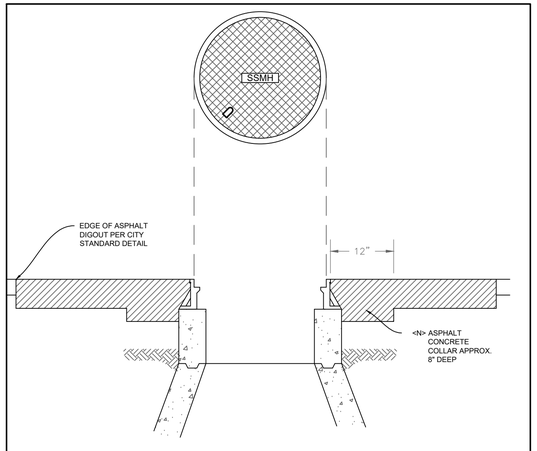
REVISION	BY	APPROVED	DATE
UPDATE			

CITY OF ARCATA

FLOW LINE ARCH DRAIN

APPROVED BY: N. B. KHATRI, R.C.E. #75428

DRAWING NUMBER D–13



NOTES:
1. HOT MIX ASPHALT SHALL BE PLACED IN LIFTS AND COMPACTED.
2. MANHOLE COVER SHOULD MATCH HEIGHT OF ADJACENT ASPHALT.
3. EDGES OF EXISTING PAVEMENT SHALL BE CLEAN AND FREE OF DUST WITH A TACK COAT APPLIED BEFORE PAVING.

REGISTERED PROFESSIONAL ENGINEER NETRA KHATRI 75428 CIVIL STATE OF CALIFORNIA

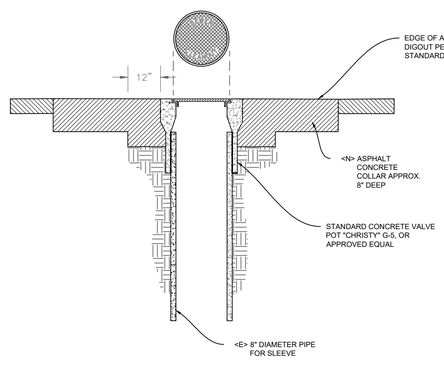
REVISION	BY	APPROVED	DATE
UPDATE	MA	DFC	10/2022

CITY OF ARCATA

MANHOLE COVERS ADJUSTMENT DETAIL

APPROVED BY: N. B. KHATRI, R.C.E. #75428

DRAWING NUMBER SS–08



NOTES:
1. INSURE POT SLIDES FREELY OVER SLEEVE PIPE.
2. HOT MIX ASPHALT SHALL BE PLACED IN LIFTS AND COMPACTED.
3. LID OF POT SHOULD MATCH HEIGHT OF ADJACENT ASPHALT.
4. EDGES OF EXISTING PAVEMENT SHALL BE CLEAN AND FREE OF DUST WITH A TACK COAT APPLIED BEFORE PAVING.
5. IF CLEAN OUT PLACED IN GRASS OR DIRT RAISE POT 2 INCHES ABOVE GROUND LEVEL AND POUR 1 FOOT WIDE P.C.C. RING AROUND VALVE POT 8 INCHES DEEP

REGISTERED PROFESSIONAL ENGINEER NETRA KHATRI 75428 CIVIL STATE OF CALIFORNIA

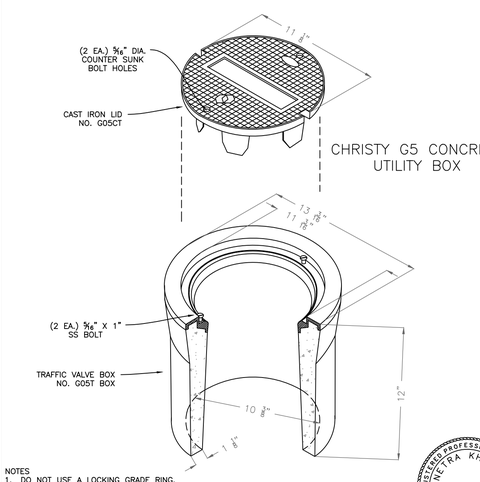
REVISION	BY	APPROVED	DATE
UPDATE	MA	DFC	10/2022

CITY OF ARCATA

ADJUSTMENT DETAIL SSCO, WATER VALVE, AND MONUMENT POTS

APPROVED BY: N. B. KHATRI, R.C.E. #75428

DRAWING NUMBER SS–09



NOTES
1. DO NOT USE A LOCKING GRADE RING.
2. USE OF AN EQUIVALENT ALTERNATIVE REQUIRES PRE–APPROVAL.
3. LID SHALL BE STAMPED "SEWER" OR "WATER" OR "MONUMENT" AS APPROPRIATE.
4. CHRISTY G8 OR APPROVED EQUAL TO BE USED IN THE EVENT THAT A LARGER BOX IS NEEDED.

REGISTERED PROFESSIONAL ENGINEER NETRA KHATRI 75428 CIVIL STATE OF CALIFORNIA

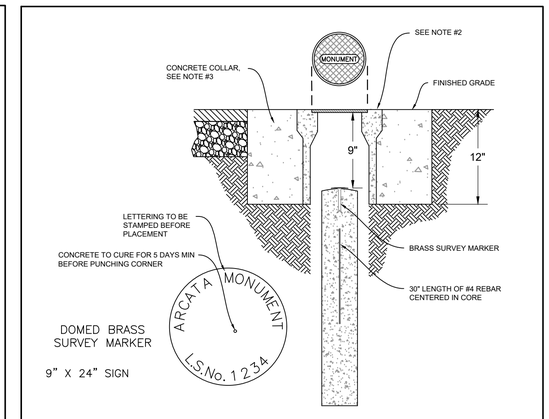
REVISION	BY	APPROVED	DATE
UPDATE	KLR	DFC	07/2022

CITY OF ARCATA

VALVE BOX

APPROVED BY: N. B. KHATRI, R.C.E. #75428

DRAWING NUMBER G–01



NOTES:
1. TOP OF CONCRETE CORE TO BE DOMED FOR WATER RUNOFF.
2. BOX AND LID AS PER CITY STD DTL G–01, WITH LID STAMPED "MONUMENT".
3. ALL CONCRETE SHALL BE 520–C–2500 AS PER THE "GREENBOOK" STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
4. STEM OF SURVEY MARKER TO BE SHAPED TO LOCK INTO CONCRETE.
5. CONCRETE CORE TO BE INSTALLED ON UNDISTURBED NATIVE SOIL.
6. DESIGN SHALL CONFORM TO THESE REQUIREMENTS UNLESS OTHERWISE APPROVED BY CITY ENGINEER.
7. INSPECTION OF FINISHED WORK REQUIRED. SCHEDULE INSPECTION A MINIMUM OF 24 HOURS IN ADVANCE.

REGISTERED PROFESSIONAL ENGINEER NETRA KHATRI 75428 CIVIL STATE OF CALIFORNIA

REVISION	BY	APPROVED	DATE
UPDATE	KLR	DFC	07/2022

CITY OF ARCATA

CITY MONUMENT & BRASS SURVEY MARKER

APPROVED BY: N. B. KHATRI, R.C.E. #75428

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PRELIMINARY PLANS (NOT FOR CONSTRUCTION)

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City of ARCATA

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Page: 17