ATTACHMENT 1

IMPROVEMENT DRAWINGS FOR

URBAN CORE REHABILITATION

PAVEMENT REHABILITATION AND ROADWAY IMPROVEMENTS
PERKINS STREET, GOBBI STREET, AND MAIN STREET
CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

CITY CONTRACT NUMBERS: 2122-190, 2122-105, 2022-04

OCTOBER 2023

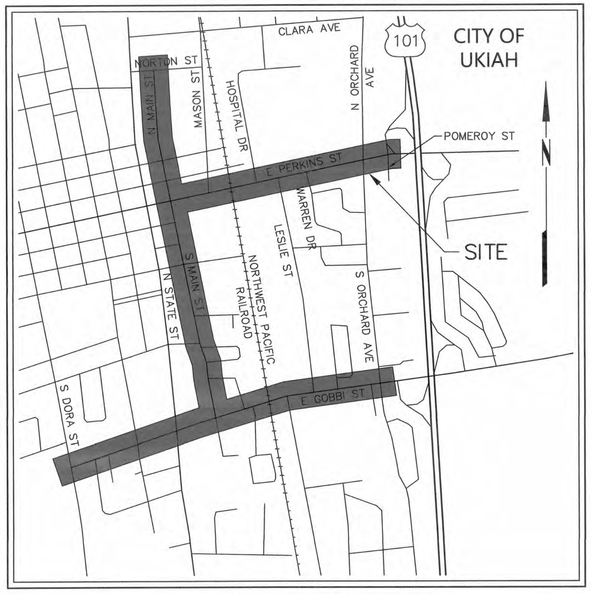
LOCATION MAP
NOT TO SCALE

PROJECT SCOPE:

WORK TO BE PERFORMED ON EAST PERKINS STREET IS LOCATED BETWEEN MAIN STREET AND ORCHARD AVENUE, WITHIN THE CITY OF UKIAH. WORK GENERALLY CONSISTS OF CURB RAMP REPLACEMENT, ROADWAY GRIND AND OVERLAY, ROADWAY WIDENING, STORM DRAINAGE IMPROVEMENTS, TRAFFIC SIGNAL IMPROVEMENTS, MINOR LANDSCAPING IMPROVEMENTS, AND THE DEMOLITION AND EXCAVATION OF HARDSCAPE TO SUPPORT THESE IMPROVEMENTS.

WORK TO BE PERFORMED ON GOBBI STREET IS LOCATED BETWEEN SOUTH DORA STREET AND ORCHARD AVENUE, WITHIN THE CITY OF UKIAH. WORK GENERALLY CONSISTS OF WATER AND SEWER MAIN REMOVAL AND REPLACEMENT, WATER AND SEWER SERVICE CONNECTION UPGRADES, CURB RAMP REPLACEMENT, BULB OUT CONSTRUCTION, BICYCLE LANE STRIPING IMPROVEMENTS, TRAFFIC SIGNAL INSTALLATION, ROADWAY GRIND AND OVERLAY, ASPHALT CONCRETE DIGOUTS, MINOR LANDSCAPING IMPROVEMENTS, AND THE DEMOLITION AND EXCAVATION OF HARDSCAPE TO SUPPORT THESE IMPROVEMENTS.

WORK TO BE PERFORMED ON MAIN STREET IS LOCATED BETWEEN GOBBI STREET AND NORTON STREET, WITHIN THE CITY OF UKIAH. WORK GENERALLY CONSISTS OF CURB RAMP REPLACEMENT, ROADWAY GRIND AND OVERLAY, BICYCLE LANE STRIPING IMPROVEMENTS, MINOR LANDSCAPING IMPROVEMENTS, AND THE DEMOLITION AND EXCAVATION OF HARDSCAPE TO SUPPORT THESE IMPROVEMENTS.



VICINITY MAP
NOT TO SCALE

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URBAN CORE REHABILITATION
PERKINS STREET, GOBBI STREET, AND MAIN STREET
CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

COVER SHEET

Revisions

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GENERAL NOTES

ALL MATERIALS, WORKMANSHIP AND CONSTRUCTION SHALL CONFORM TO THE CURRENT CITY OF UKIAH DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS, THE CALTRANS STANDARD PLANS AND SPECIFICATIONS (CURRENT EDITION), AND THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CURRENT EDITION).

THE CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR FURTHER AGREES TO HOLD HARMLESS, INDEMNIFY AND DEFEND THE DESIGN PROFESSIONAL, THE OWNER AND THEIR CONSULTANTS, AND THE CITY OF UKIAH, AND EACH OF THEIR OFFICERS, EMPLOYEES, AND AGENTS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE DESIGN PROFESSIONAL.

AN ENCROACHMENT PERMIT MUST BE OBTAINED FROM THE CITY OF UKIAH DEPARTMENT OF PUBLIC WORKS PRIOR TO BEGINNING ANY WORK WITHIN THE PUBLIC RIGHT-OF-WAY. A TRAFFIC CONTROL PLAN MUST BE SUBMITTED TO THE CITY OF UKIAH FOR APPROVAL PRIOR TO BEGINNING ANY WORK WITHIN THE PUBLIC RIGHT-OF-WAY.

THE CONTRACTOR SHALL OBTAIN A DE-WATERING PERMIT FROM THE NORTH COAST REGIONAL WATER QUALITY CONTROL BOARD FOR DE-WATERING OPERATIONS THAT ARE USED TO MANAGE THE REMOVAL OF GROUND WATER FROM EXCAVATIONS AND THEIR DISCHARGE TO THE WATERS OF THE STATE OR THE STORM DRAIN SYSTEM. APPROVAL MUST BE OBTAINED FROM THE CITY OF UKIAH PUBLIC WORKS DEPARTMENT PRIOR TO DISCHARGING GROUNDWATER TO THE SEWER.

CONTRACTOR SHALL SECURE A TRENCH PERMIT FROM THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY PRIOR TO EXCAVATION OF ANY TRENCH OVER 5-FEET IN DEPTH.

TEMPORARY STOCKPILES SHALL NOT BE LOCATED WITHIN CREEK SETBACK AREAS, PROTECTED VEGETATION/TREE AREAS OR WITHIN 10-FEET OF AN ADJACENT RESIDENTIAL PROPERTY LINE. STOCKPILES TALLER THAN 2.5-FEET SHALL NOT BE WITHIN 50-FEET OF AN ADJACENT RESIDENTIAL PROPERTY LINE.

TEMPORARY STOCKPILES MUST BE REMOVED BY COMPLETION OF GRADING ACTIVITIES UNLESS A SEPARATE TEMPORARY USE PERMIT AND GRADING PERMIT IS OBTAINED FROM THE CITY OF UKIAH FOR THE STOCKPILE.

IF CONTAMINATED MATERIAL IS ENCOUNTERED DURING CONSTRUCTION, WORK MUST STOP UNTIL A WORK PLAN HAS BEEN APPROVED IN WRITING BY THE CITY OF UKIAH FIRE DEPARTMENT AND THE NORTH COAST REGIONAL WATER QUALITY CONTROL BOARD. HAZARDOUS MATERIAL SHALL BE REMOVED AND DISPOSED OF ACCORDING TO THE REQUIREMENTS OF THE CITY OF UKIAH FIRE DEPARTMENT. THE APPLICANT IS REQUIRED TO DEMONSTRATE COMPLIANCE WITH STATE AND LOCAL CODES FOR REMOVAL OF ASBESTOS CONTAINING MATERIALS DURING DEMOLITION OF THE STRUCTURES ON THE PROJECT SITE.

IN THE EVENT THAT ANY REMAINS OF PREHISTORIC OR HISTORIC HUMAN ACTIVITIES ARE ENCOUNTERED DURING PROJECT-RELATED ACTIVITIES, WORK IN THE IMMEDIATE VICINITY OF THE FINDS SHALL HALT AND THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE PROJECT SUPERINTENDENT AND THE CITY OF UKIAH INSPECTOR. WORK SHALL NOT RESUME UNTIL A QUALIFIED ARCHAEOLOGIST OR HISTORIC ARCHAEOLOGIST, AS APPROPRIATE, APPROVED BY THE CITY OF UKIAH, HAS EVALUATED THE SITUATION AND MADE RECOMMENDATIONS FOR TREATMENT OF THE RESOURCE, AND WHOSE RECOMMENDATIONS ARE CARRIED OUT. IF HUMAN BURIAL REMAINS ARE ENCOUNTERED, THE CONTRACTOR MUST ALSO CONTACT THE MENDOCINO COUNTY CORONER.

CONSTRUCTION HOURS SHALL BE LIMITED TO 7:00 AM TO 7:00 PM MONDAY THROUGH FRIDAY, AND 8:00 AM TO 6:00 PM ON SATURDAYS, EXCLUDING HOLIDAYS. THIS RESTRICTION INCLUDES THE START UP OF ANY MOTORIZED EQUIPMENT. ALL CONTRACTORS' EQUIPMENT SHALL BE PROPERLY MUFFLED AND SHALL BE SHUT DOWN WHEN NOT IN USE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING DAMAGE OR DETERIORATION OCCURRING TO EXISTING PUBLIC IMPROVEMENTS AS A DIRECT RESULT OF CONSTRUCTION ACTIVITY (GRADING, ROAD CONSTRUCTION, UTILITY INSTALLATION, ETC.). REPAIR MAY REQUIRE PATCHING, SEALING OR OVERLAYING AFFECTED AREAS AS APPROPRIATE TO RETURN THE ROADS TO AT LEAST AS GOOD A CONDITION AS THEY WERE PRIOR TO CONSTRUCTION. IF THE CONTRACTOR DOES NOT ACT IN A TIMELY MANNER, THE CITY OF UKIAH MAY, AT ITS DISCRETION, PERFORM THE CORRECTION AND CHARGE THE CONTRACTOR FOR ALL COSTS AND OVERHEAD INCURRED.

THE CONTRACTOR SHALL PROVIDE RECORD DRAWINGS TO THE CITY OF UKIAH UPON COMPLETION OF PROJECT AND PRIOR TO FINAL ACCEPTANCE.

GRADING NOTES

THE CONTRACTOR SHALL PERFORM GRADING UNDER THE OBSERVATION OF THE GEOTECHNICAL ENGINEER AND IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE PROJECT GEOTECHNICAL REPORT.

THE CONTRACTOR SHALL PERFORM GRADING TO WITHIN 0.10-FEET OF THE LINES AND ELEVATIONS SHOWN ON THE CONSTRUCTION DRAWINGS.

THE CONTRACTOR SHALL REMOVE MATERIAL WHICH WILL NOT BE USED ON SITE AS IT IS EXCAVATED AND DISPOSE OF IN ACCORDANCE WITH THE GOVERNING AGENCY'S REQUIREMENTS.

THE CONTRACTOR SHALL EXERCISE CAUTION WHEN EXCAVATING WITHIN THE DRIPLINE OF ANY TREE SHOWN ON THE PLANS TO REMAIN. ROOTS LARGER THAN 2 INCHES SHALL NOT BE CUT WITHOUT PERMISSION FROM THE ENGINEER.

ADA COMPLIANCE: THE CONTRACTOR MUST COMPLY WITH THE REQUIREMENTS OF THE AMERICAN WITH DISABILITIES ACT (ADA) WHILE WORKING IN THE PUBLIC RIGHT-OF-WAY. IF THE CONTRACTOR'S WORK IN THE PUBLIC RIGHT-OF-WAY WILL AFFECT PEDESTRIAN ACCESS, THE CONTRACTOR IS REQUIRED TO PROVIDE A PROPERLY SIGNED ACCESSIBLE ROUTE OF TRAVEL. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. FAILURE TO COMPLY WITH THE ADA CAN HAVE SERIOUS CONSEQUENCES FOR THE CONTRACTOR. SUCH FAILURE MAY RESULT IN LAWSUITS FOR REGULATORY ACTIONS BY THE DEPARTMENT OF JUSTICE OR THE STATE ATTORNEY GENERAL.

UTILITY NOTES

ALL UNDERGROUND IMPROVEMENTS INCLUDING SEWER LINES, WATER LINES, STORM DRAINS, PUBLIC UTILITY FACILITIES, AND SERVICES SHALL BE INSTALLED, TESTED, AND ACCEPTED BY THE CITY OF UKIAH PUBLIC WORKS DEPARTMENTS PRIOR TO PAVING. TRENCH PAVING FOR ALL UTILITIES SHALL BE COORDINATED AND INSTALLED AT THE SAME TIME.

THE LOCATIONS OF UNDERGROUND OBSTRUCTIONS SHOWN ON THESE DRAWINGS ARE APPROXIMATE ONLY AND SHOULD NOT BE TAKEN AS FINAL OR ALL INCLUSIVE. THE CONTRACTOR IS CAUTIONED THAT THESE DRAWINGS MAY NOT INCLUDE ALL EXISTING UTILITIES INCLUDING WATER, SEWERS AND STORM DRAINS, AND THAT THE OWNER, THE CITY OF UKIAH AND THE DESIGN PROFESSIONAL ASSUME NO RESPONSIBILITY FOR OBSTRUCTIONS WHICH MAY BE ENCOUNTERED.

CONTRACTOR TO POTHOLE ALL UNDERGROUND UTILITIES A MINIMUM OF 5 WORKING DAYS IN ADVANCE OF ANY EXCAVATION PER THE REQUIREMENTS OF CALIFORNIA GOVERNMENT CODE 4216. THE POTHOLING REQUIRES A LOG SUBMITTED TO DETERMINE THE HORIZONTAL AND VERTICAL LOCATION OF THE UTILITY, TYPE, SIZE, PIPE MATERIAL, AND DEPTH TO THE BOTTOM AND TOP OF THE UTILITY. IF UNMARKED UTILITIES ARE ENCOUNTERED, OR IF UNABLE TO LOCATE A MARKED UTILITY AFTER POTHOLING, IMMEDIATELY NOTIFY THE OWNER AND ENGINEER.

THE CONTRACTOR SHALL EXPOSE ALL EXISTING UTILITIES INCLUDING SEWERS AND STORM DRAINS PRIOR TO ANY TRENCHING TO ALLOW THE DESIGN PROFESSIONAL TO VERIFY THE GRADE AND ALIGNMENT OF THE UTILITIES, AND TO VERIFY DESIGN ASSUMPTIONS AND EXACT FIELD LOCATIONS. EXISTING UTILITIES MAY REQUIRE RELOCATION AND/OR PROPOSED IMPROVEMENTS MAY REQUIRE GRADE OR ALIGNMENT REVISION DUE TO FIELD CONDITIONS.

UTILITY CONFLICTS MAY OCCUR IN THOSE INSTANCES WHERE TWO GRAVITY UTILITIES CROSS AND LACK THE REQUIRED SEPARATION, OR IN THOSE INSTANCES WHERE AN EXISTING UTILITY HAS NOT BEEN IDENTIFIED IN THE CONSTRUCTION DOCUMENTS.

CROSSING UTILITIES WHICH HAVE BEEN IDENTIFIED IN THE CONSTRUCTION DOCUMENTS MAY NOT BE CONSTRUED AS UTILITY CONFLICTS. THE CONTRACTOR SHALL INSTALL GRAVITY UTILITIES TO THE LINES AND ELEVATIONS IDENTIFIED IN THE CONSTRUCTION DOCUMENTS AND INSTALL OTHER UTILITIES ABOVE OR BELOW GRAVITY UTILITIES WHILE COMPLYING WITH THE MINIMUM COVER REQUIREMENTS FOR EACH UTILITY INSTALLED.

GRAVITY UTILITIES SHALL BE INSTALLED STARTING AT THE DOWNSTREAM END AND CONSTRUCTED UP-GRADIENT. TO THE EXTENT PRACTICABLE, AND IN COORDINATION WITH THE CITY OF UKIAH, THE CONTRACTOR SHALL ENDEAVOR TO RE-ESTABLISH EXISTING SEWER LATERAL CONNECTIONS TO THE NEW SEWER MAIN AS ENCOUNTERED DURING THE COURSE OF SEWER MAIN INSTALLATION. SEWER LATERAL DISCONNECT AND RE-ESTABLISHMENT SHALL HAPPEN DURING THE SAME WORKING DAY.

THE USE OF CONTROLLED DENSITY BACKFILL (CDF) WITHIN ANY PUBLIC SEWER OR WATER TRENCH IS NOT ALLOWED UNLESS SPECIFICALLY APPROVED BY THE CITY OF UKIAH DIRECTOR OF UTILITIES.

UTILITY TRENCH BACKFILL MATERIAL SHALL CONFORM TO THE LATEST LOCAL CITY, COUNTY AND/OR STATE STANDARDS.

PROVIDE TRENCHING FOR STORM DRAIN PIPE IN ACCORDANCE WITH CITY OF UKIAH STANDARD DRAWING NUMBER 420.

THERE SHALL BE NO UNMETERED CONNECTIONS TO THE CITY OF UKIAH WATER SYSTEM INCLUDING CONNECTIONS BYPASSING THE METER FOR TESTING ONSITE PLUMBING OR FOR OBTAINING CONSTRUCTION WATER. SUCH CONNECTIONS MAY BE SEVERED BY THE UTILITIES DEPARTMENT AND MAY RESULT IN PENALTIES, INCLUDING PAYMENT OF FINES AND ESTIMATED WATER USAGE FEES.

MANHOLES SHALL BE COATED INSIDE WITH ONE (1) COAT OF THORO-SEAL, XPEX, OR APPROVED EQUAL.

UTILITY LENGTHS SHOWN REFLECT ROUNDED LENGTHS MEASURED HORIZONTALLY BETWEEN THE CENTERS OF STRUCTURES. THE CONTRACTOR SHALL VERIFY SLOPED UTILITY LENGTHS IN THE FIELD PRIOR TO ORDERING MATERIAL.

STRIPING AND SIGNING NOTES

UNLESS OTHERWISE SHOWN ON PLAN, THE CONTRACTOR SHALL RESTORE EXISTING STRIPING, SIGNAGE, CURB PAINT, ETC. THAT IS DAMAGED OR REMOVED (AND DOES NOT CONFLICT WITH THE PROPOSED STRIPING & SIGNAGE IMPROVEMENTS) AS A DIRECT RESULT OF CONSTRUCTION ACTIVITY TO AT LEAST AS GOOD OF A CONDITION AS THEY WERE PRIOR TO CONSTRUCTION.

STRIPING AND SIGNING SHALL BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH THE LATEST EDITION OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). MATERIALS SHALL BE FURNISHED BY THE CONTRACTOR.

PROPOSED STRIPING AND MARKINGS SHALL BE INSTALLED THE SAME DAY AS THE REMOVAL OF THE EXISTING STRIPING AND MARKINGS. IF NOT, CONTRACTOR SHALL PROVIDE TEMPORARY PAVEMENT MARKERS UNTIL PROPOSED STRIPING AND MARKINGS ARE INSTALLED.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR LAYOUT AND CAT TRACKING OF ALL PROPOSED STRIPING AND MARKINGS. CAT TRACKING SHALL BE DONE A MINIMUM OF 48-HOURS PRIOR TO PROPOSED STRIPING AND MARKING TO ALLOW THE CITY TIME FOR REVIEW AND APPROVAL.

EXISTING STRIPING AND MARKINGS TO BE REMOVED SHALL BE REMOVED BY GRINDING BY THE CONTRACTOR.

PAVEMENT LEGENDS, CROSSWALKS AND STOP BARS SHALL BE INSTALLED BY USING THERMOPLASTIC IN ACCORDANCE WITH LATEST EDITION OF THE CALIFORNIA MUTCD.

STRIPING AND SIGNAGE ARE TO BE WORKED ON CONCURRENTLY.

MAPPING NOTES

THE CONTRACTOR IS RESPONSIBLE FOR PRESERVATION AND/OR PERPETUATION OF ALL EXISTING SURVEY MONUMENTS (CURB TAGS, IRON PIPES, CENTERLINE WELL DISKS, ETC). IF THE CONTRACTOR SUSPECTS THAT WORK WILL BE CONDUCTED IN AN AREA WHICH MAY RESULT IN THE DISTURBANCE OF SURVEY MONUMENTS, THE CONTRACTOR SHALL RETAIN THE SERVICES OF A LICENSED PROFESSIONAL AUTHORIZED TO PRACTICE LAND SURVEYING TO LOCATE SAID MONUMENTS PRIOR TO DISTURBANCE, RE-ESTABLISH MONUMENTS WHICH HAVE BEEN DISTURBED AS A RESULT OF CONSTRUCTION, AND FILE THE APPROPRIATE DOCUMENTATION WITH THE COUNTY ONCE THE MONUMENTS ARE RESET. CONTRACTOR SHALL PROVIDE A MINIMUM OF TEN (10) WORKING DAYS NOTICE TO THE ENGINEER/SURVEYOR PRIOR TO DISTURBANCE OR REMOVAL OF EXISTING MONUMENTS. CONTRACTOR SHALL PROVIDE THE CITY WITH A MONUMENT CERTIFICATION LETTER FROM THE ENGINEER/SURVEYOR STATING THAT THE EXISTING MONUMENTS HAVE BEEN IDENTIFIED AND LOCATED PRIOR TO REMOVAL.

THE LOCATIONS OF EXISTING UNDERGROUND FACILITIES SHOWN ON THESE DRAWINGS ARE APPROXIMATE AND ARE BASED ON OBSERVED TOPOGRAPHIC SURFACE FEATURES AND AVAILABLE INFORMATION. THE UNDERGROUND PROFESSIONAL PREPARING THIS MAP ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THESE FACILITIES OR FOR THE INADVERTENT OMISSION OF RELATED INFORMATION.

TREE DIAMETERS ARE MEASURED AT CHEST HEIGHT (48"). DRIPLINE DIAMETERS AND TREE SPECIES ARE APPROXIMATE ONLY AND SHOULD BE VERIFIED BY A CERTIFIED ARBORIST.

EROSION AND SEDIMENT CONTROL NOTES

THE CONTRACTOR SHALL KEEP THE WORK SITE, STAGING AREAS AND OTHER AREAS USED BY THE CONTRACTOR IN A NEAT AND CLEAN CONDITION, AND FREE FROM ANY ACCUMULATION OF TRASH. THE CONTRACTOR SHALL DISPOSE OF ALL TRASH, RUBBISH AND WASTE MATERIALS OF ANY KIND GENERATED BY THE CONTRACTOR, SUBCONTRACTOR OR ANY COMPANY HIRED BY THE CONTRACTOR ON A DAILY BASIS. THE CONTRACTOR SHALL ALSO KEEP HAUL ROADS FREE FROM DIRT, RUBBISH, AND UNNECESSARY OBSTRUCTIONS RESULTING FROM SITE OPERATION. DISPOSAL OF ALL TRASH, RUBBISH AND DEBRIS MATERIALS SHALL BE IN A COVERED WASTE RECEPTACLE OR HAULED OFF SITE, IN ACCORDANCE WITH LOCAL CODES AND ORDINANCES GOVERNING LOCATIONS AND METHODS OF DISPOSAL, AND IN CONFORMANCE WITH ALL APPLICABLE LAWS AND REGULATIONS. WASTE RECEPTACLES SHALL BE COVERED AT THE END OF EVERY DAY AND DURING RAIN EVENTS.

ENSURE THE CONTAINMENT OF SANITATION FACILITIES (E.G., PORTABLE TOILETS) TO PREVENT DISCHARGES OF POLLUTANTS TO THE STORM WATER DRAINAGE SYSTEM, ROADS OR RECEIVING WATERS. SANITATION FACILITIES MUST BE MAINTAINED PERIODICALLY BY A LICENSED SERVICE COMPANY TO KEEP THEM IN GOOD WORKING ORDER AND PREVENT OVERFLOWS. PORTABLE TOILETS ARE REQUIRED TO HAVE SECONDARY CONTAINMENT.

EQUIPMENT AND MATERIALS NECESSARY FOR CONTROL OF SPILLS SHALL BE AVAILABLE ON SITE AT ALL TIMES. SPILLS AND LEAKS SHALL BE STOPPED AND THE MATERIAL CLEANED UP IMMEDIATELY AND DISPOSED OF PROPERLY. USE PROPER BEST MANAGEMENT PRACTICES (BMPs) TO PREVENT OIL, GREASE, OR FUEL FROM LEAKING ON THE GROUND, INTO THE STORM DRAINS OR SURFACE WATERS.

CONTAIN CONCRETE WASHOUT AREAS AND SIMILAR AREAS THAT MAY CONTAIN POLLUTANTS TO PREVENT DISCHARGE INTO THE UNDERLYING SOIL OR ONTO THE SURROUNDING AREAS.

ESTABLISH AND MAINTAIN EFFECTIVE SITE PERIMETER CONTROLS AND STABILIZE ALL CONSTRUCTION ENTRANCES AND EXITS TO SUFFICIENTLY CONTROL EROSION AND SEDIMENT DISCHARGES AND TRACKED MATERIALS FROM LEAVING THE SITE. AT A MINIMUM DAILY AND PRIOR TO ANY RAIN EVENT, THE CONTRACTOR SHALL REMOVE ANY SEDIMENT OR OTHER CONSTRUCTION ACTIVITY RELATED MATERIALS THAT ARE DEPOSITED ON THE ROADS (BY VACUUMING OR SWEEPING).

PLACE EQUIPMENT OR VEHICLES WHICH ARE BEING FUELED, MAINTAINED AND STORED, IN A DESIGNATED AREA FITTED WITH APPROPRIATE BMPs.

PROVIDE DUST CONTROL THROUGHOUT THE DURATION OF THE CONSTRUCTION PROJECT TO MINIMIZE AIRBORNE POLLUTANTS.

AT A MINIMUM, ALL BMPs SHALL BE INSPECTED EACH WORKING DAY AND BEFORE ALL RAIN EVENTS. BMPs THAT REQUIRE MAINTENANCE OR REPLACEMENT TO FUNCTION PROPERLY SHALL BE COMPLETED BEFORE THE NEXT FORECASTED RAIN, OR WITHIN THE NEXT THREE (3) WORKING DAYS IF NO RAIN IS PREDICTED. MAINTENANCE INCLUDES REMOVAL OF ACCUMULATED SEDIMENT AND TRASH.

AT A MINIMUM, THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN ALL APPLICABLE BMPs LISTED ON THESE DRAWINGS AND/OR THE STORM WATER POLLUTION PREVENTION PLAN.

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MASTER GENERAL NOTES

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130 MAIN STREET CROSS SECTIONS - STA 22+25 TO STA 25+00
131 MAIN STREET CROSS SECTIONS - STA 25+25 TO STA 28+00
132 MAIN STREET CROSS SECTIONS - STA 28+25 TO STA 31+00
133 MAIN STREET CROSS SECTIONS - STA 31+25 TO STA 34+00
134 MAIN STREET CROSS SECTIONS - STA 34+25 TO STA 37+00
135 MAIN STREET CROSS SECTIONS - STA 37+25 TO STA 40+00
136 MAIN STREET CROSS SECTIONS - STA 40+25 TO STA 43+00
137 MAIN STREET CROSS SECTIONS - STA 43+25 TO STA 46+00
138 MAIN STREET CROSS SECTIONS - STA 46+25 TO STA 49+00
139 STRIPING & SIGNAL PLAN - STA 10+00 TO STA 29+50
140 STRIPING & SIGNAL PLAN - STA 29+50 TO STA 49+50
141 DETAILS - 1
142 DETAILS - 2
143 DETAILS - 3

REGISTERED PROFESSIONAL ENGINEER REBECCA DOWER No. C 80868 CIVIL STATE OF CALIFORNIA

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URBAN CORE REHABILITATION
PERKINS STREET, GOBBI STREET, AND MAIN STREET
CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

MASTER SHEET INDEX

No.	Revisions

Date: OCT 2023
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Design: BD
Drawn: BTL
Approved: BD
Job No: 20212351

Drawing Number:

3 OF 143

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Plot Oct 19, 2023 at 8:37am

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IMPROVEMENT DRAWINGS FOR

EAST PERKINS STREET

PAVEMENT REHABILITATION AND ROADWAY WIDENING
NORTH MAIN STREET TO POMEROY STREET
CITY OF UKIAH, CALIFORNIA

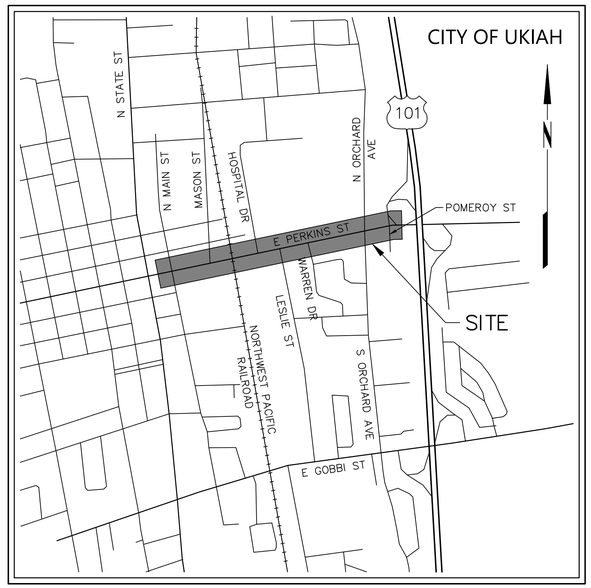
CITY CONTRACT NUMBER: 2122-190

OCTOBER 2023

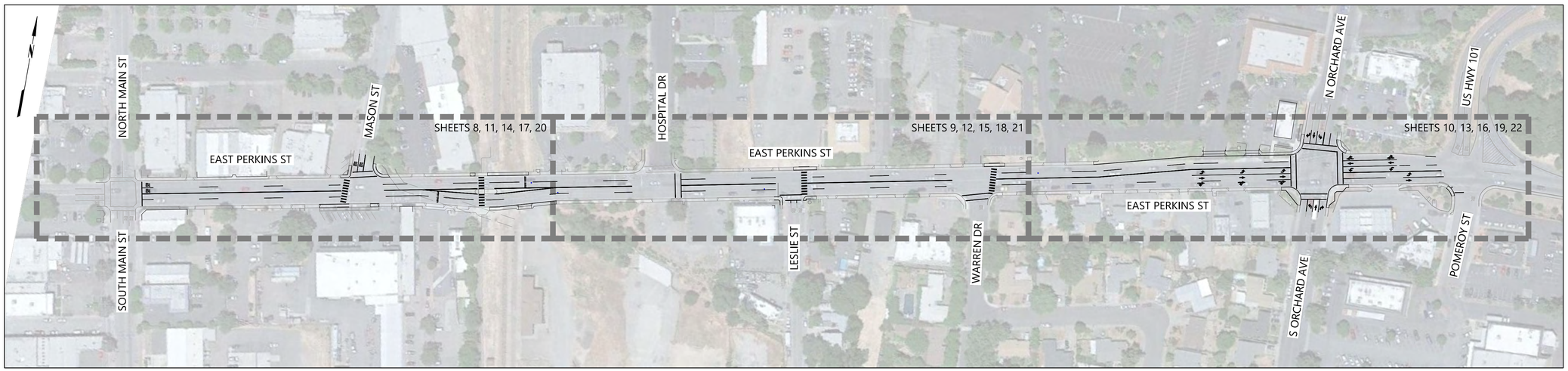
City of Ukiah

PROJECT SCOPE:

WORK TO BE PERFORMED ON EAST PERKINS STREET IS LOCATED BETWEEN MAIN STREET AND ORCHARD AVENUE, WITHIN THE CITY OF UKIAH. WORK GENERALLY CONSISTS OF CURB RAMP REPLACEMENT, ROADWAY GRIND AND OVERLAY, ROADWAY WIDENING, STORM DRAINAGE IMPROVEMENTS, TRAFFIC SIGNAL IMPROVEMENTS, MINOR LANDSCAPING IMPROVEMENTS, AND THE DEMOLITION AND EXCAVATION OF HARDSCAPE TO SUPPORT THESE IMPROVEMENTS.



VICINITY MAP
NOT TO SCALE



KEY MAP

THIS DRAWING SET IS SUPPLEMENTED BY THE "EAST PERKINS STREET PAVEMENT REHABILITATION AND ROADWAY WIDENING" CALTRANS ENCROACHMENT DRAWINGS PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION, DATED JUNE 2023. REFER TO THOSE DRAWINGS FOR ADDITIONAL INFORMATION ON PROJECT IMPROVEMENTS WITHIN THE STATE RIGHT OF WAY.

CITY OF UKIAH

APPROVED DATE

TIM ERICKSEN
DIRECTOR OF PUBLIC WORKS/CITY ENGINEER

DATE	REVISION	

REGISTERED PROFESSIONAL ENGINEER * REBECCA DOWER * No. C 80868 * CIVIL * STATE OF CALIFORNIA

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CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

COVER SHEET

Revisions

No.	

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GRADING NOTES

PERFORM GRADING UNDER THE OBSERVATION OF THE GEOTECHNICAL ENGINEER AND IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT PREPARED BY LACO ASSOCIATES, DATED JULY 1, 2022.

UTILITY NOTES

PROVIDE UTILITY TRENCH BACKFILL AND REPAVE TRENCHED AREAS IN ACCORDANCE WITH THE RECOMMENDATIONS OF SECTIONS 6.3 AND 6.4 OF THE GEOTECHNICAL REPORT.

UTILITY TRENCH BACKFILL MATERIAL SHALL CONFORM TO THE LATEST LOCAL CITY, COUNTY AND/OR STATE STANDARDS. UTILITY TRENCH BACKFILL MATERIAL SHALL BE OBSERVED AND TESTED BY THE GEOTECHNICAL ENGINEER PRIOR TO USE. BACKFILL SHOULD BE PLACED IN LIFTS NO THICKER THAN 8-INCHES OF LOOSE THICKNESS, MOISTURE CONDITIONED TO WITHIN 2-PERCENT OF OPTIMUM MOISTURE CONTENT, AND COMPACTED TO AT LEAST 90-PERCENT RELATIVE COMPACTION. THE UPPER 6-INCHES OF SOIL SUBGRADE SHOULD BE COMPACTED TO AT LEAST 95-PERCENT RELATIVE COMPACTION AND BE FIRM AND UNYIELDING.

UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL PROVIDE REINFORCED CONCRETE PIPE (RCP) WHERE ANNOTATED AS STORM DRAIN (SD) ON THE CONSTRUCTION DRAWINGS.

MAPPING NOTES

TOPOGRAPHIC INFORMATION SHOWN HEREON WAS OBTAINED FROM A FIELD SURVEY CONDUCTED BY BKF ENGINEERS IN APRIL 2022 AND SUPPLEMENTED WITH AVAILABLE INFORMATION.

BASIS OF BEARING: BEARINGS ARE BASED UPON THE NORTH AMERICAN DATUM OF 1983 (NAD 83) (2011), EPOCH 2017.50, AS PUBLISHED BY THE CALIFORNIA SPATIAL REFERENCE CENTER, CALIFORNIA STATE PLAN COORDINATE SYSTEM, ZONE 2. DISTANCES ARE GROUND BASED. MULTIPLY BY A COMBINED SCALE FACTOR OF 0.9998908456 TO OBTAIN GRID DISTANCES.

BENCHMARK: MAG NAIL WITH WASHER ON SIDEWALK, LOCATION SHOWN HEREON (SHEET 6), ELEVATION 630.64'. ELEVATIONS ARE BASED UPON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) ESTABLISHED BY EPOCH 2017.50 ELLIPSOID HEIGHTS AS PUBLISHED BY THE CALIFORNIA SPATIAL REFERENCE CENTER AND NGS GEOID 18.

DRAINAGE STRUCTURE TABLE

STRUCTURE	NO.	MODEL	SIZE	DETAIL
GRATE INLET	2–5	OLDCASTLE INFRASTRUCTURE MODEL CB–1818 OR EQUIVALENT	18"x18"	9 / –
GRATE INLET	1	OLDCASTLE INFRASTRUCTURE MODEL CB–1212 OR EQUIVALENT	12"x12"	9 / –
CATCH BASIN	1–4	CITY OF UKIAH STD 404, CURB DEPRESSION PER CITY STD 403	36"x42"	–
SDMH	1–8	COUNTY OF MENDOCINO STDs D40A, D40B, & D41	48"	–

SYMBOLS & LEGEND

EXISTING / PROPOSED

- BENCHMARK
- IRON PIPE
- CENTERLINE MONUMENT
- BLOW OFF
- VALVE
- CHECK VALVE
- BACKFLOW PREVENTION DEVICE
- FIRE DEPARTMENT CONNECTION
- FIRE HYDRANT
- POST INDICATOR VALVE
- REDUCER
- RISER
- LIGHT POLE
- STREET SIGN
- TRAFFIC SIGNAL
- STREET LIGHT
- UTILITY POLE
- GUY ANCHOR
- CATCH BASIN
- TREE
- TREE CLUSTER
- TREE TO BE REMOVED
- EXISTING FEATURE OR UTILITY TO BE REMOVED
- PROPERTY LINE
- BUILDING SETBACK
- EASEMENT
- CENTERLINE
- GRADE BREAK
- FLOW LINE
- FENCE
- TREE PROTECTION FENCE
- SANITARY SEWER
- STORM DRAIN
- WATER
- OVERHEAD UTILITY LINE
- UNDERGROUND UTILITY LINE
- UNDERGROUND ELECTRIC LINE
- UNDERGROUND GAS LINE
- UNDERGROUND TELECOM LINE
- DEMOLITION
- ASPHALT PLUG
- ASPHALT NEW ROADWAY SECTION
- ASPHALT GRIND & OVERLAY (2-INCH)
- ASPHALT GRIND & OVERLAY (3-INCH) WITH PAVING GRID
- ASPHALT CONFORM GRIND
- ASPHALT DIG-OUT
- ASPHALT CONCRETE (TYPICAL SECTIONS ONLY)
- AGGREGATE BASE (TYPICAL SECTIONS ONLY)
- CONCRETE
- VEHICULAR CONCRETE
- DETECTABLE WARNING
- VALLEY GUTTER
- BIORETENTION AREA
- INVERT AT CLEANOUT
- KEYNOTE
- DETAIL IDENTIFICATION
- SHEET WHERE DETAIL IS SHOWN
- CROSS SECTION IDENTIFICATION
- SHEET WHERE CROSS SECTION IS SHOWN

ABBREVIATIONS

±	MORE OR LESS
AB	AGGREGATE BASE
AC	ASPHALT CONCRETE
APN	ASSESSOR'S PARCEL NUMBER
BLDG	BUILDING
BLRD	BOLLARD
BM	BENCHMARK
CB	CATCH BASIN
CL	CENTERLINE
CL2	CLASS II
CO	CLEAN OUT
CONC	CONCRETE
DI	DROP INLET
DW	DRIVEWAY
DYL	DOUBLE YELLOW LINE
E	ELECTRIC
EG	EXISTING GROUND
ELEV	ELEVATION
EP	EDGE OF PAVEMENT
ESMT	EASEMENT
EX	EXISTING
FG	FINISHED GRADE
FH	FIRE HYDRANT
FL	SURFACE FLOWLINE
FT	FOOT
G	GAS
GB	GRADE BREAK
GI	GRATE INLET
HDRL	HANDRAIL
INV	BOTTOM INSIDE OF PIPE
IRR	IRRIGATION
L	LENGTH
LT	LEFT
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
NWPR	NORTHWEST PACIFIC RAILROAD
OVH	OVERHEAD UTILITY LINE
PG&E	PACIFIC GAS & ELECTRIC
PL	PROPERTY LINE
PUE	PUBLIC UTILITY EASEMENT
R	RADIUS
RT	RIGHT
RTWL	RETAINING WALL
R/W	RIGHT OF WAY
S=	SLOPE
SD	STORM DRAIN
SDCO	STORM DRAIN CLEAN OUT
SDMH	STORM DRAIN MANHOLE
SL	STREET LIGHT
SS	SANITARY SEWER
SSCO	SANITARY SEWER CLEAN OUT
SSMH	SANITARY SEWER MANHOLE
STA	STATION
STD	STANDARD
TB	TOP OF BOX
TC	TOP FACE OF CURB
TEL	TELECOMMUNICATION LINE
TF	TRANSFORMER
TG	TOP OF GRATE
TS	TRAFFIC SIGNAL
TV	TELEVISION
TW	TOP OF WALL
TYP	TYPICAL
UB	UTILITY BOX
VLT	VAULT
W	WATER
WL	WHITE LINE
WM	WATER METER

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CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

GENERAL NOTES

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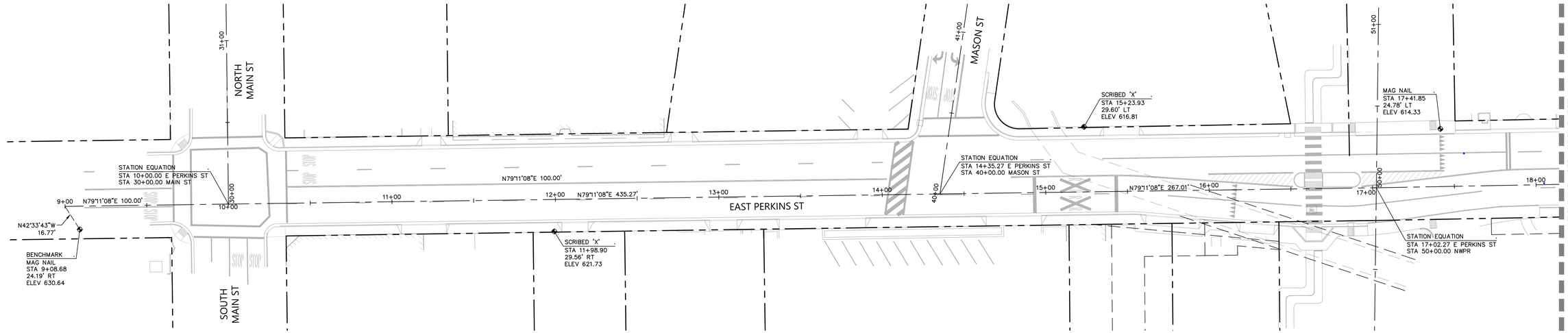

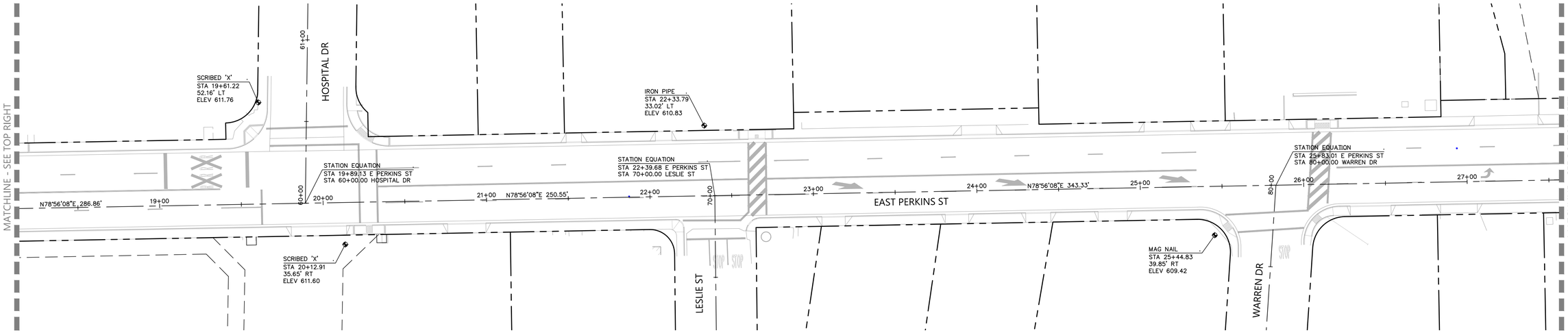

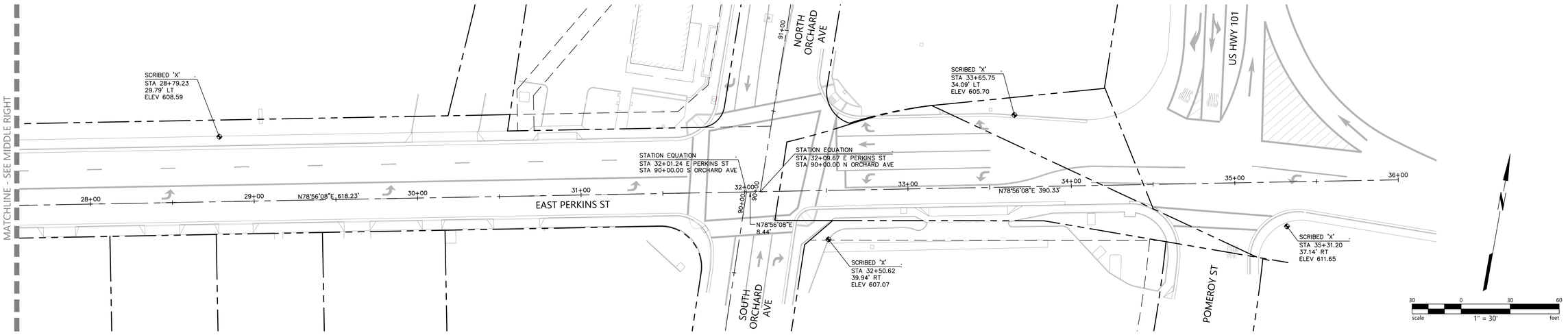

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URBAN CORE REHABILITATION
PERKINS STREET PAVEMENT REHABILITATION AND ROADWAY WIDENING
CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

HORIZONTAL CONTROL PLAN

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6 OF 143

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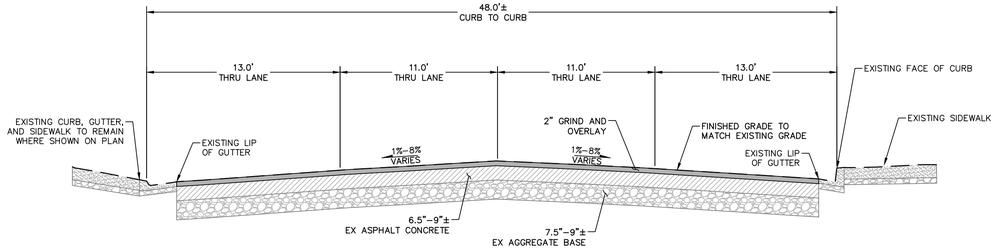
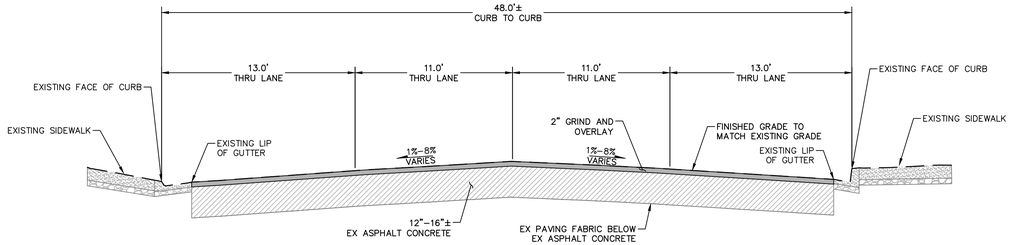


*NOTE: EXISTING ROADWAY SECTION THICKNESS VARIES, REFER TO THE GEOTECHNICAL REPORT

A — TYPICAL SECTION A

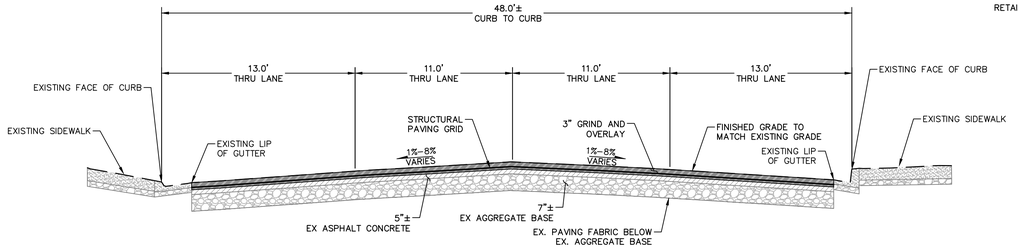
EAST PERKINS STREET
FROM MAIN STREET TO NWPR
STA 10+50 TO STA 17+00
NO SCALE



*NOTE: EXISTING ROADWAY SECTION THICKNESS VARIES, REFER TO THE GEOTECHNICAL REPORT

B — TYPICAL SECTION B

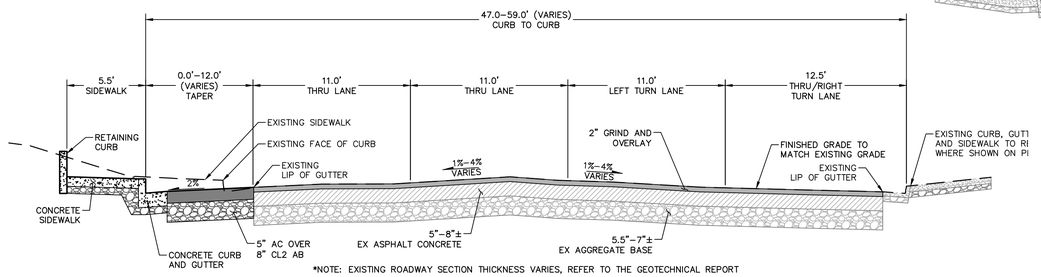
EAST PERKINS STREET
FROM NWPR TO WARREN DRIVE
STA 17+00 TO STA 25+50
NO SCALE



*NOTE: EXISTING ROADWAY SECTION THICKNESS VARIES, REFER TO THE GEOTECHNICAL REPORT

C — TYPICAL SECTION C

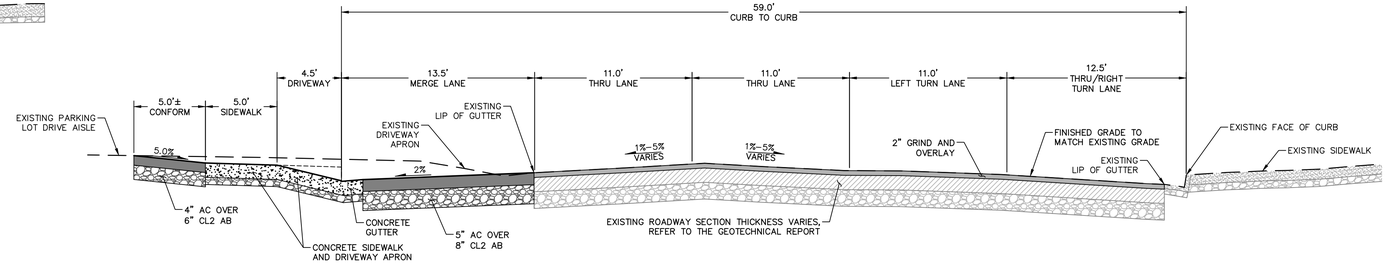
EAST PERKINS STREET
IN THE VICINITY OF WARREN DRIVE (BOREHOLE B3)
STA 25+50 TO STA 28+00
NO SCALE



*NOTE: EXISTING ROADWAY SECTION THICKNESS VARIES, REFER TO THE GEOTECHNICAL REPORT

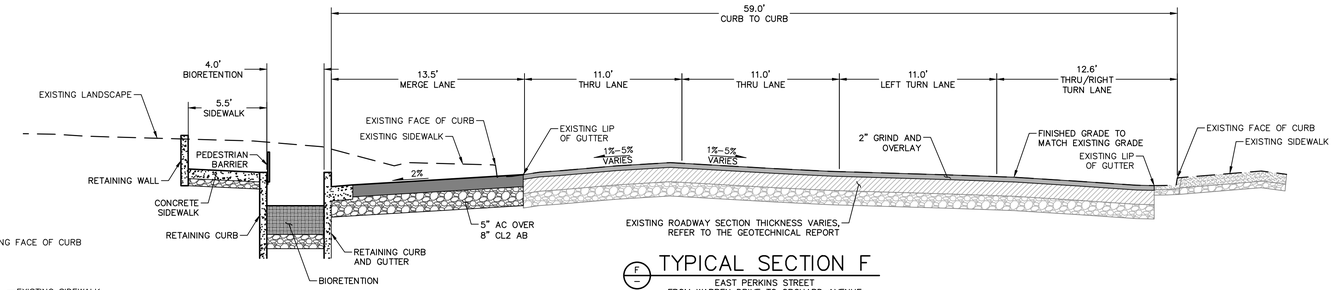
D — TYPICAL SECTION D

EAST PERKINS STREET
FROM WARREN DRIVE TO ORCHARD AVENUE
TAPERED SECTION
STA 28+00 TO STA 29+75
NO SCALE



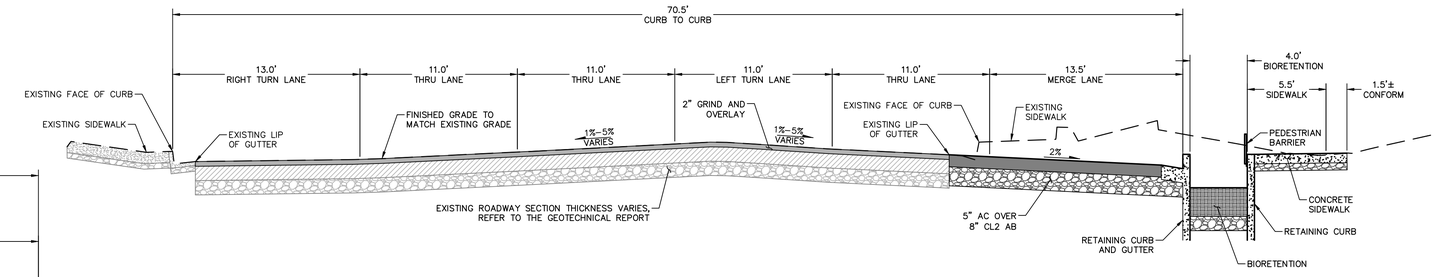
E — TYPICAL SECTION E

EAST PERKINS STREET
FROM WARREN DRIVE TO ORCHARD AVENUE
WIDENED SECTION WITH DRIVEWAY
STA 30+00 TO STA 30+50
STA 30+75 TO STA 31+00
NO SCALE



F — TYPICAL SECTION F

EAST PERKINS STREET
FROM WARREN DRIVE TO ORCHARD AVENUE
WIDENED SECTION WITH BIORETENTION
STA 28+00 TO STA 28+50
STA 29+25 TO STA 29+50
STA 30+50 TO STA 30+60



G — TYPICAL SECTION G

EAST PERKINS STREET
FROM ORCHARD AVENUE TO POMEROY AVENUE
WIDENED SECTION WITH BIORETENTION
STA 32+50 TO STA 33+00

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CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

TYPICAL ROADWAY SECTIONS

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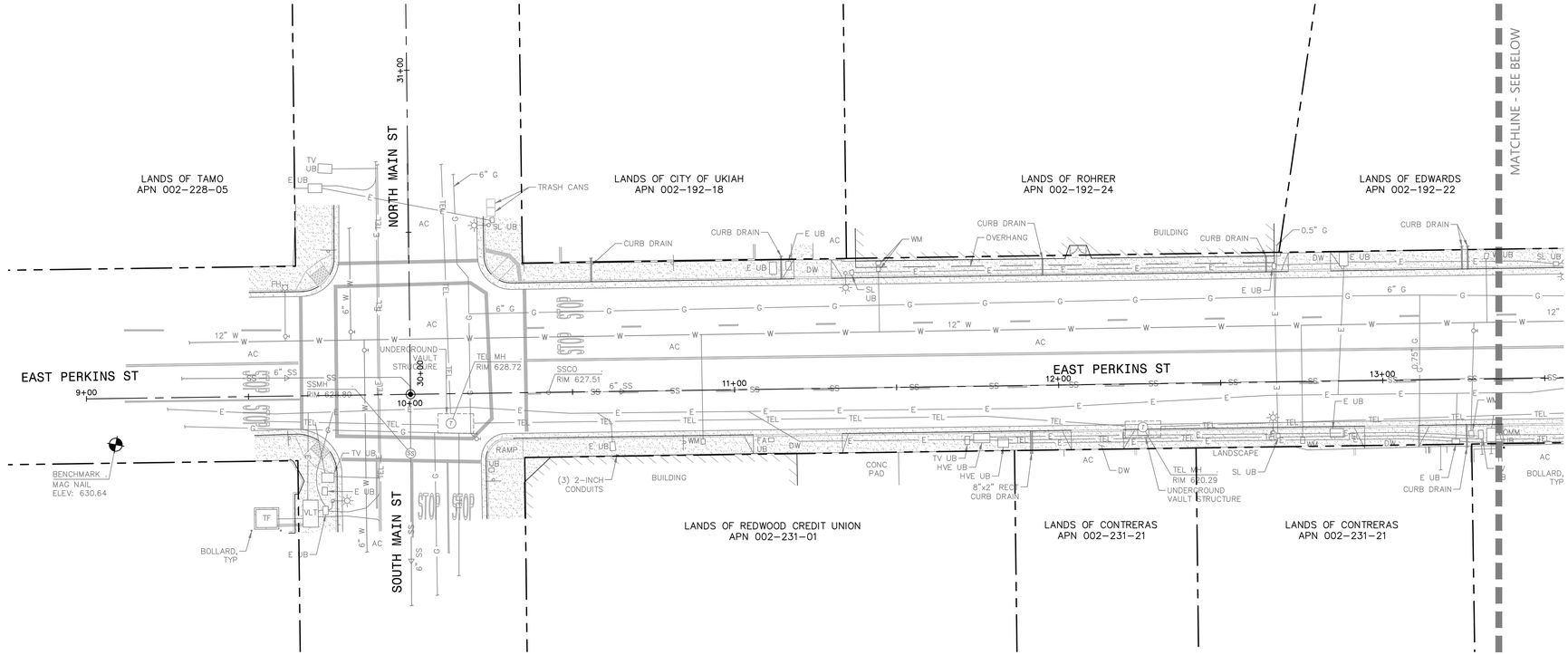
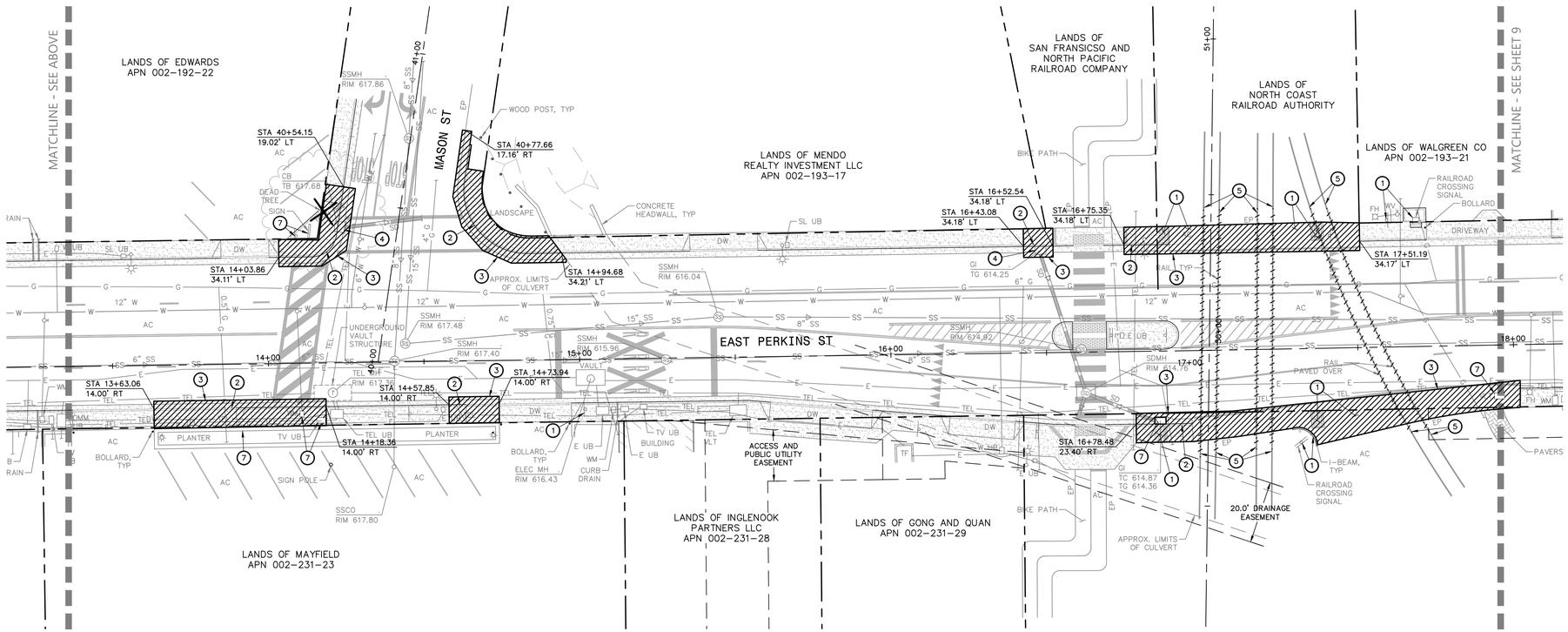
KEYNOTES:

1. REMOVE EXISTING MATERIAL OR FEATURE TO FACILITATE THE PROPOSED IMPROVEMENTS AND DISPOSE OF UNUSED MATERIAL IN ACCORDANCE WITH LOCAL REGULATIONS.
2. REMOVE EXISTING SIDEWALK, CURB AND GUTTER TO THE NEAREST CONTROL JOINT TO FACILITATE THE PROPOSED IMPROVEMENTS AND DISPOSE OF UNUSED MATERIAL IN ACCORDANCE WITH LOCAL REGULATIONS.
3. SAWCUT AND CLEANLY REMOVE EXISTING MATERIAL, OR REMOVE EXISTING MATERIAL TO THE NEAREST CONTROL JOINT WHERE APPLICABLE, TO FACILITATE THE PROPOSED IMPROVEMENTS AND DISPOSE OF UNUSED MATERIAL IN ACCORDANCE WITH LOCAL REGULATIONS.
4. REMOVE EXISTING UTILITY TO FACILITATE THE PROPOSED IMPROVEMENTS AND DISPOSE OF UNUSED MATERIAL IN ACCORDANCE WITH LOCAL REGULATIONS.
5. REMOVE RAIL TO NEAREST JOINT, SALVAGE AND RETURN RAILS TO CITY OF UKIAH PUBLIC WORKS DEPARTMENT. CONTRACTOR TO COORDINATE RAIL REMOVAL AND RETURN WITH CITY.
7. EXISTING FEATURE OR UTILITY TO REMAIN. PROTECT IN PLACE.





20 0 20 40
scale 1" = 20' feet

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PERKINS STREET PAVEMENT REHABILITATION AND ROADWAY WIDENING
CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

DEMOLITION PLAN

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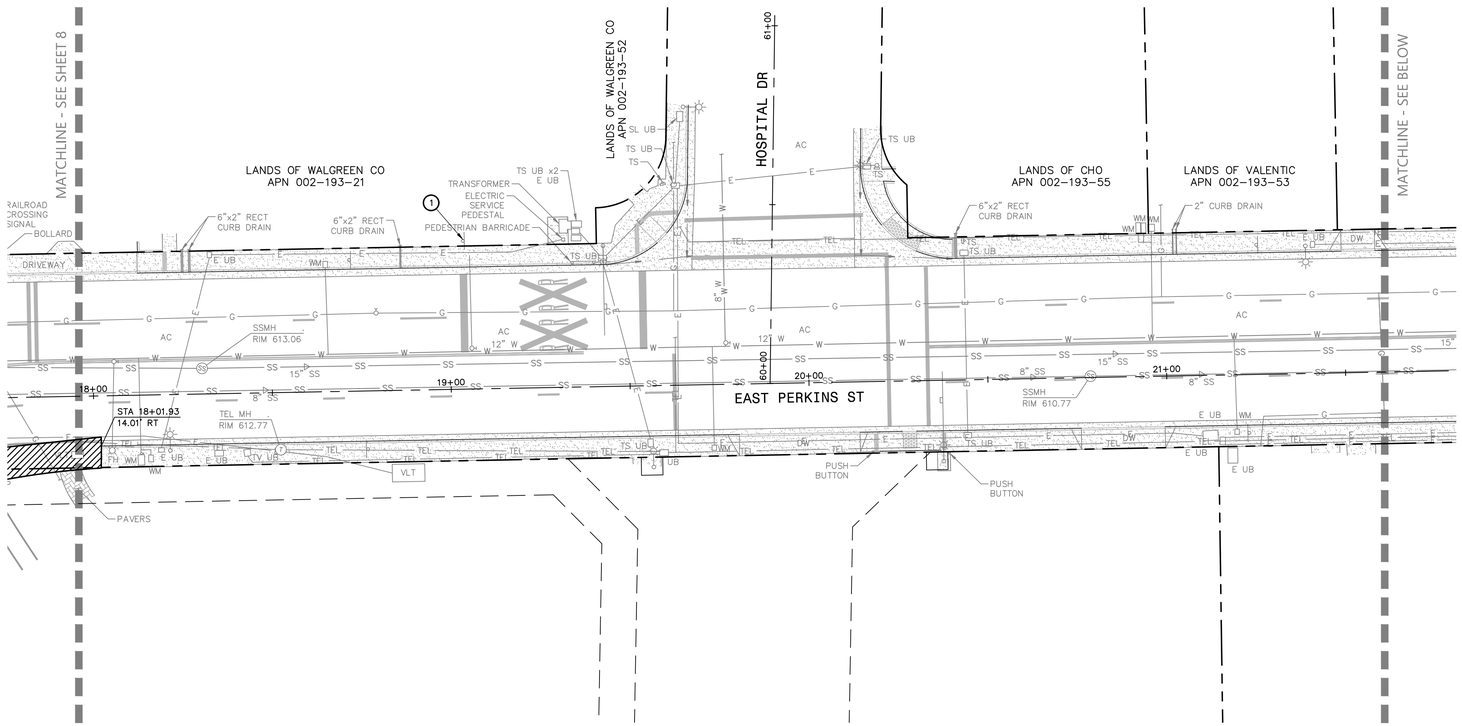
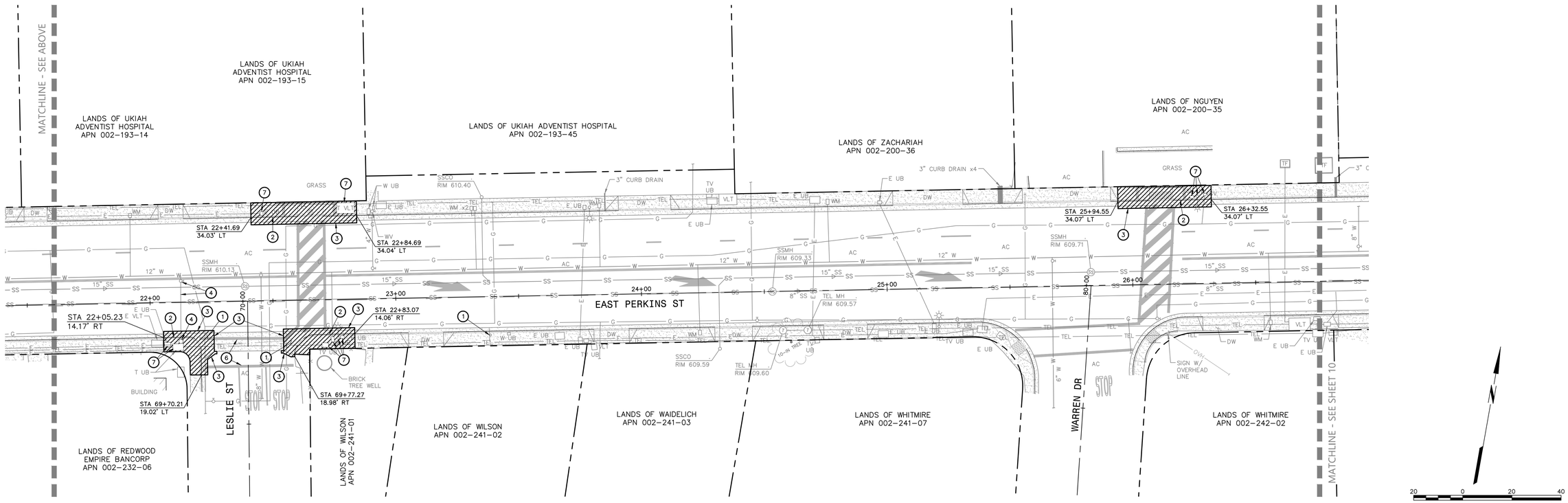
1. REMOVE EXISTING MATERIAL OR FEATURE TO FACILITATE THE PROPOSED IMPROVEMENTS AND DISPOSE OF UNUSED MATERIAL IN ACCORDANCE WITH LOCAL REGULATIONS.
2. REMOVE EXISTING SIDEWALK, CURB AND GUTTER TO THE NEAREST CONTROL JOINT TO FACILITATE THE PROPOSED IMPROVEMENTS AND DISPOSE OF UNUSED MATERIAL IN ACCORDANCE WITH LOCAL REGULATIONS.
3. SAWCUT AND CLEANLY REMOVE EXISTING MATERIAL, OR REMOVE EXISTING MATERIAL TO THE NEAREST CONTROL JOINT WHERE APPLICABLE, TO FACILITATE THE PROPOSED IMPROVEMENTS AND DISPOSE OF UNUSED MATERIAL IN ACCORDANCE WITH LOCAL REGULATIONS.
4. REMOVE EXISTING UTILITY TO FACILITATE THE PROPOSED IMPROVEMENTS AND DISPOSE OF UNUSED MATERIAL IN ACCORDANCE WITH LOCAL REGULATIONS.
6. REMOVE EXISTING STRIPING BY SAND BLASTING OR AN EQUIVALENT METHOD WHICH PERMANENTLY REMOVES THE STRIPING WITHOUT JEOPARDIZING THE INTEGRITY OF THE EXISTING PAVEMENT.
7. EXISTING FEATURE OR UTILITY TO REMAIN. PROTECT IN PLACE.





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scale 1" = 20' feet

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REGISTERED PROFESSIONAL ENGINEER REBECCA DOWER No. C 80868 CIVIL STATE OF CALIFORNIA

REBECCA DOWER C 80868 10/20/2023

URBAN CORE REHABILITATION
PERKINS STREET PAVEMENT REHABILITATION AND ROADWAY WIDENING
CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

DEMOLITION PLAN

No.	Revisions

Date: OCT 2023
Scale: AS SHOWN
Design: BD
Drawn: BTL
Approved: BD
Job No: 20212351

Drawing Number:

9 OF 143

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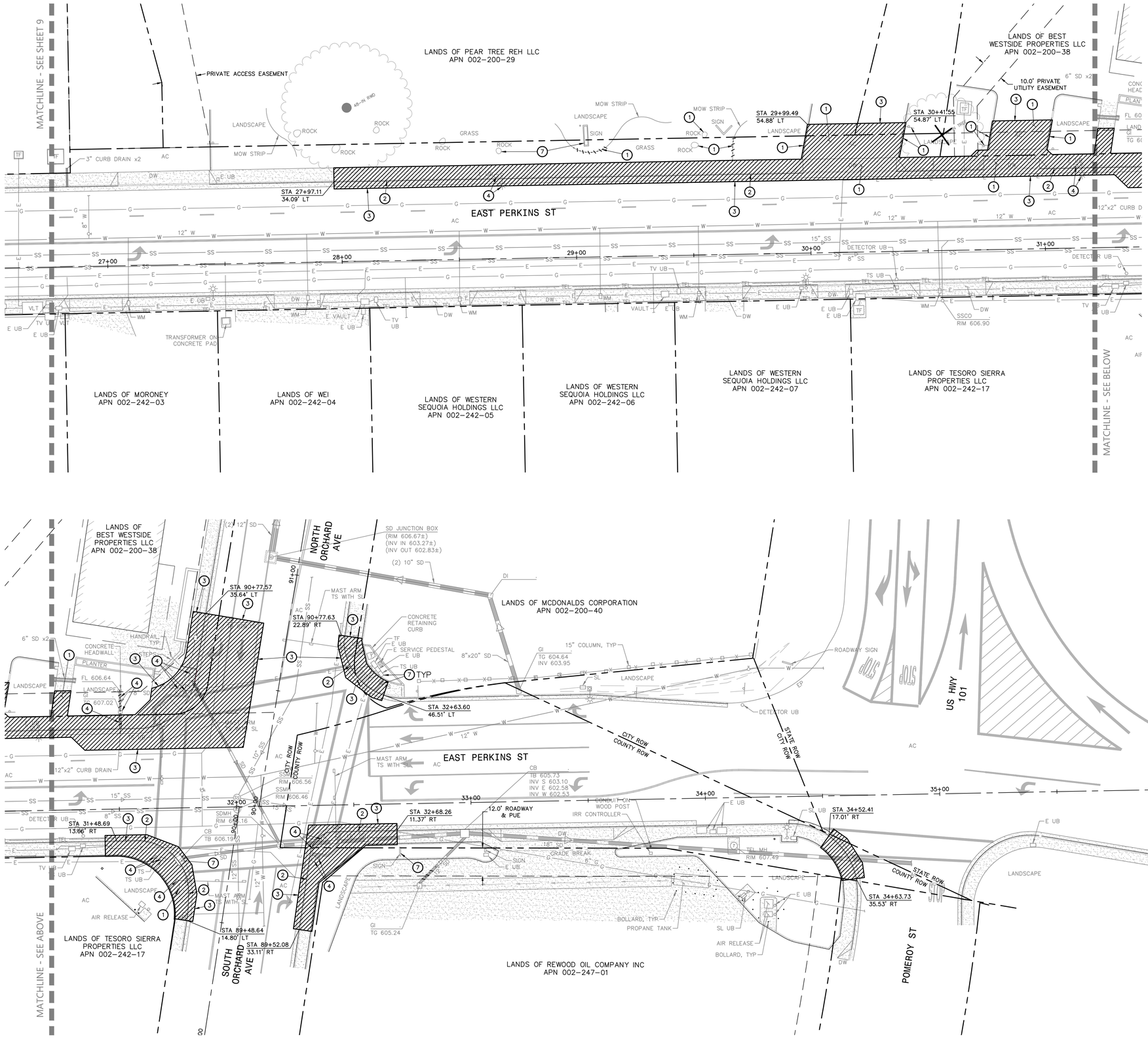
Plot Oct 19, 2023 at 8:41am



KEYNOTES:

1. REMOVE EXISTING MATERIAL OR FEATURE TO FACILITATE THE PROPOSED IMPROVEMENTS AND DISPOSE OF UNUSED MATERIAL IN ACCORDANCE WITH LOCAL REGULATIONS.
2. REMOVE EXISTING SIDEWALK, CURB AND GUTTER TO THE NEAREST CONTROL JOINT TO FACILITATE THE PROPOSED IMPROVEMENTS AND DISPOSE OF UNUSED MATERIAL IN ACCORDANCE WITH LOCAL REGULATIONS.
3. SAWCUT AND CLEANLY REMOVE EXISTING MATERIAL, OR REMOVE EXISTING MATERIAL TO THE NEAREST CONTROL JOINT WHERE APPLICABLE, TO FACILITATE THE PROPOSED IMPROVEMENTS AND DISPOSE OF UNUSED MATERIAL IN ACCORDANCE WITH LOCAL REGULATIONS.
4. REMOVE EXISTING UTILITY TO FACILITATE THE PROPOSED IMPROVEMENTS AND DISPOSE OF UNUSED MATERIAL IN ACCORDANCE WITH LOCAL REGULATIONS.
7. EXISTING FEATURE OR UTILITY TO REMAIN. PROTECT IN PLACE.

REGISTERED PROFESSIONAL ENGINEER REBECCA DOWER No. C 80868 CIVIL STATE OF CALIFORNIA

C 80868

10/20/2023

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PERKINS STREET PAVEMENT REHABILITATION AND ROADWAY WIDENING
CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

DEMOLITION PLAN

No.	Revisions

Date: OCT 2023
Scale: AS SHOWN
Design: BD
Drawn: BTL
Approved: BD
Job No: 20212351

Drawing Number:

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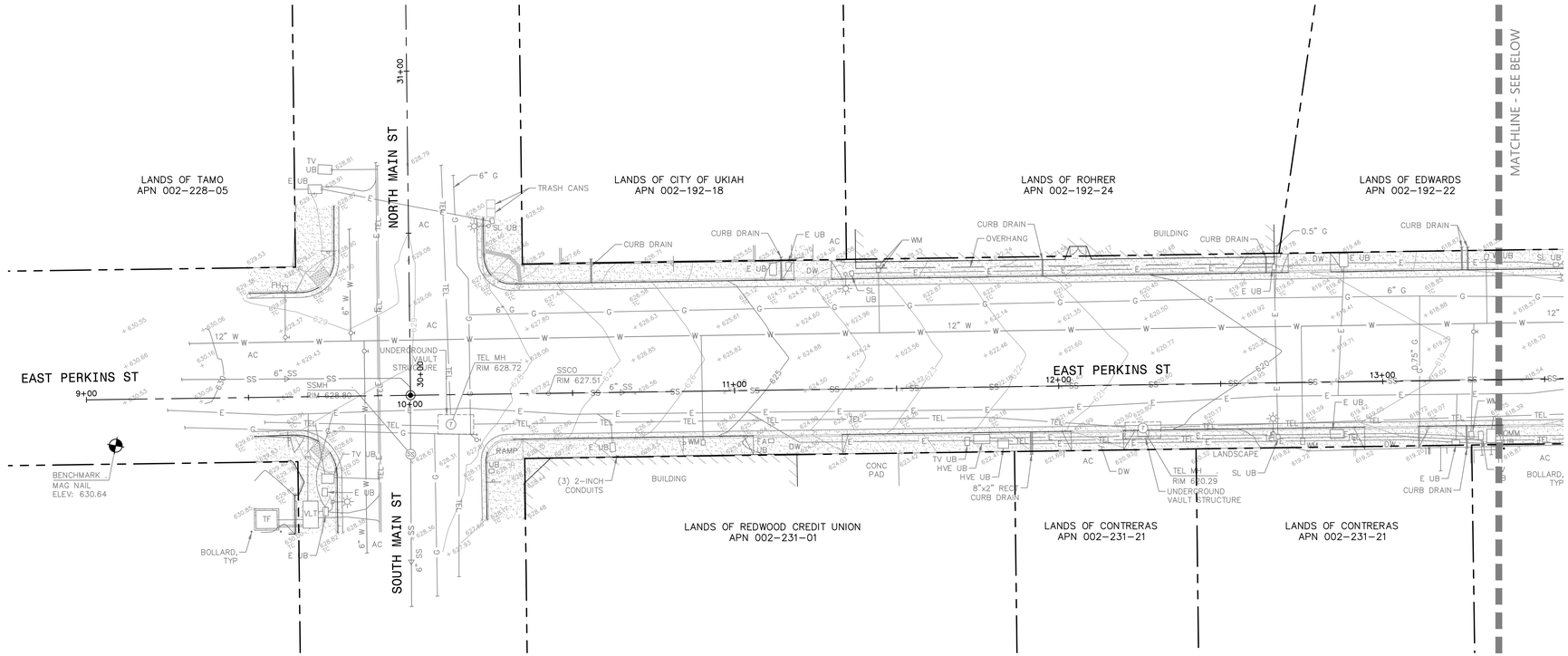

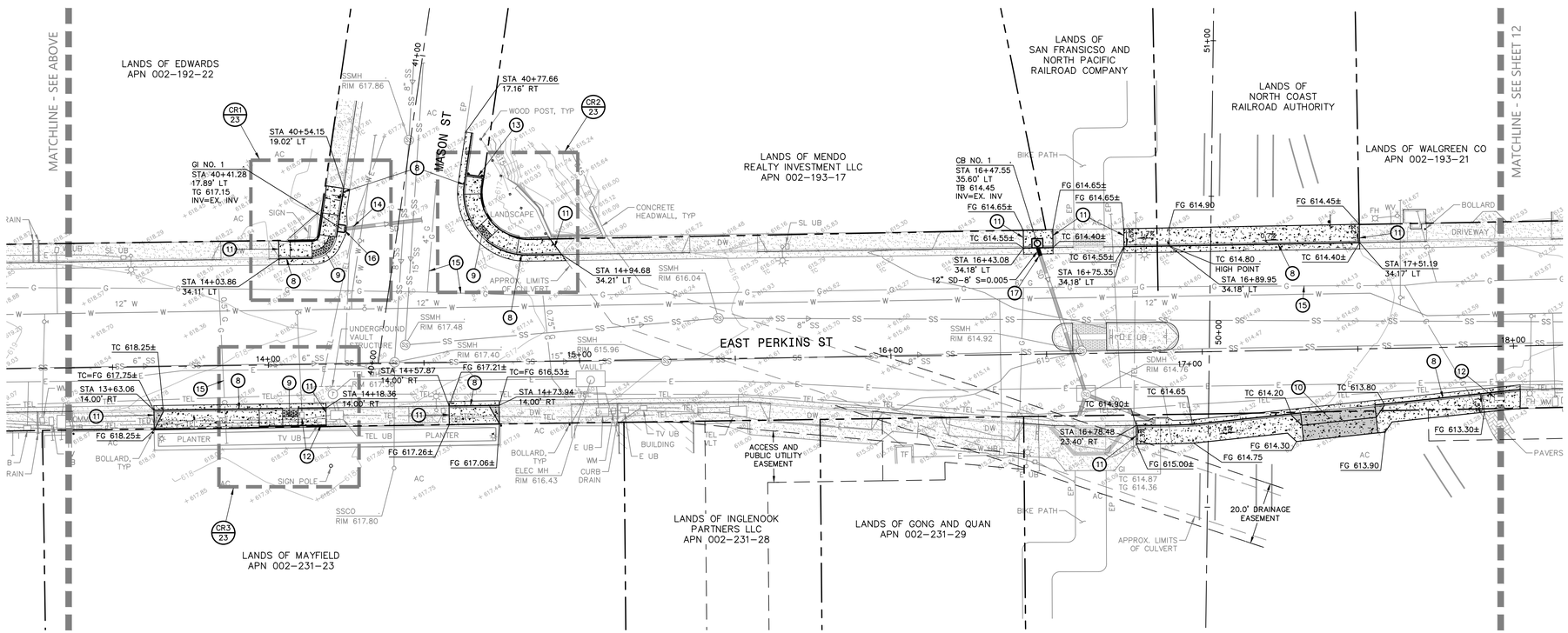

KEYNOTES:

8. CONCRETE SIDEWALK, CURB AND GUTTER IN ACCORDANCE WITH CITY OF UKIAH STANDARD DRAWING 102. SIDEWALK SLOPE SHALL NOT EXCEED 1.5-PERCENT (1.5%).
9. CURB RAMP AND DETECTABLE WARNING SURFACE IN ACCORDANCE WITH SECTIONS 11B-406 AND 11B-705 OF THE 2022 CALIFORNIA BUILDING CODE.
10. DRIVEWAY APRON WITH CONTINUOUS SIDEWALK IN ACCORDANCE WITH CITY OF UKIAH STANDARD DRAWING 103. SIDEWALK SLOPE SHALL NOT EXCEED 1.5-PERCENT (1.5%).
11. CONFORM TO EXISTING SURFACE ELEVATION IN A MANNER WHICH GENERATES A UNIFORM TRANSITION BETWEEN SURFACES AND DOES NOT IMPEDE DRAINAGE.
12. ADJUST EXISTING UTILITY TO FINISHED GROUND SURFACE ELEVATION.
13. PEDESTRIAN BARRICADE.
14. POTHOLE TO DETERMINE THE ACTUAL LOCATION, TYPE, SIZE, DEPTH AND CONFIGURATION OF THE EXISTING UTILITY AND PROVIDE THIS INFORMATION IN WRITING TO THE ENGINEER PRIOR TO PERFORMING WORK IN THIS AREA.
15. VERIFY THE LOCATION(S) OF GAS FACILITIES IN THIS AREA AND COORDINATE WITH THE OWNER OF THE UTILITY AND THE DRY UTILITY CONSULTANT TO RELOCATE GAS FACILITIES AS REQUIRED TO FACILITATE THE PROPOSED IMPROVEMENTS.
16. REMOVE PORTIONS OF EXISTING STORM DRAIN PIPE TO FACILITATE THE PROPOSED IMPROVEMENTS AND CONNECT TO THE NEW STRUCTURE. FORM AND FILL AREA BETWEEN PIPE AND STRUCTURE WITH CONCRETE IN A MANNER WHICH PROVIDES A PERMANENT WATER TIGHT SEAL.
17. CONNECT TO EXISTING UTILITY IN A MANNER WHICH PROVIDES A PERMANENT WATER TIGHT SEAL.

20 0 20 40
scale 1" = 20' feet

REGISTERED PROFESSIONAL ENGINEER REBECCA DOWER No. C 80868 CIVIL STATE OF CALIFORNIA

10/20/2023

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URBAN CORE REHABILITATION
PERKINS STREET PAVEMENT REHABILITATION AND ROADWAY WIDENING
CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

GRADING AND UTILITY PLAN

No.	Revisions

Date: OCT 2023
Scale: AS SHOWN
Design: BD
Drawn: BTL
Approved: BD
Job No: 20212351

Drawing Number:
11 OF 143

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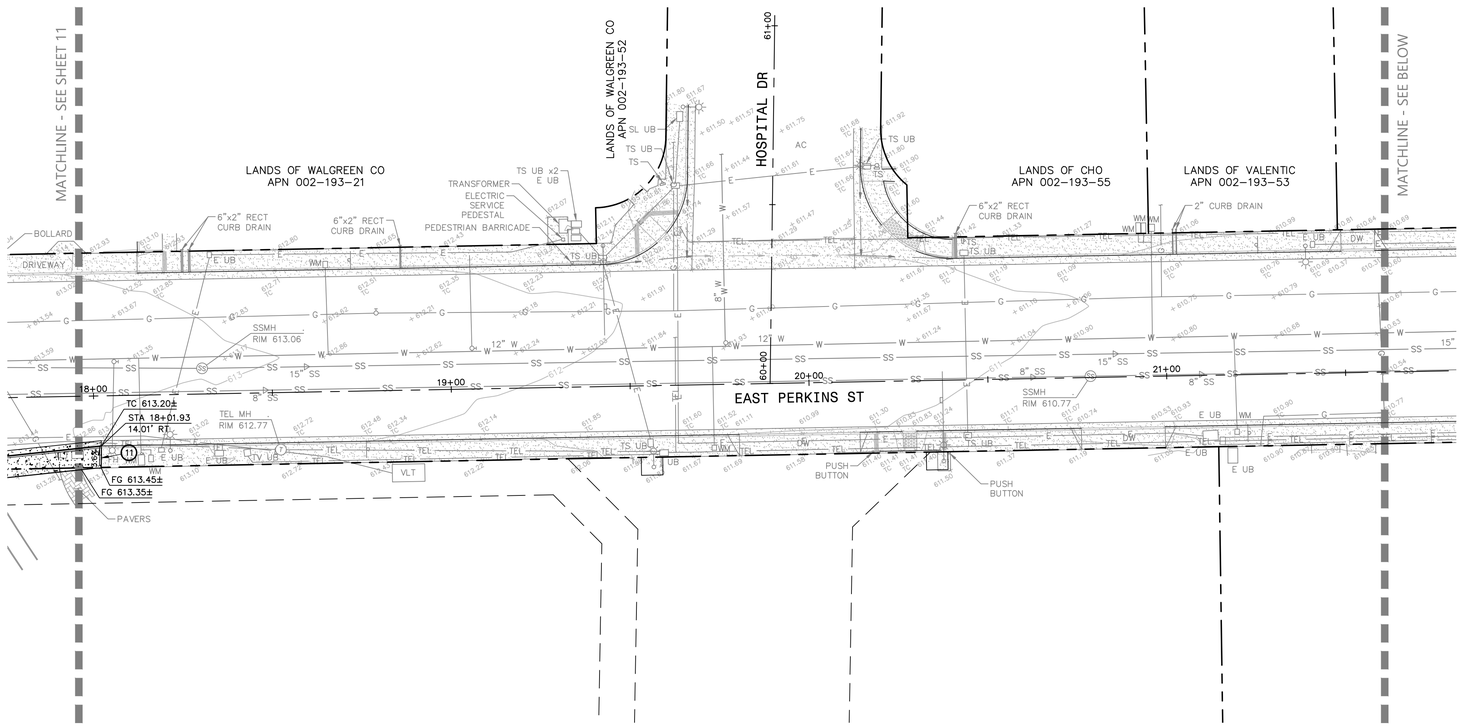
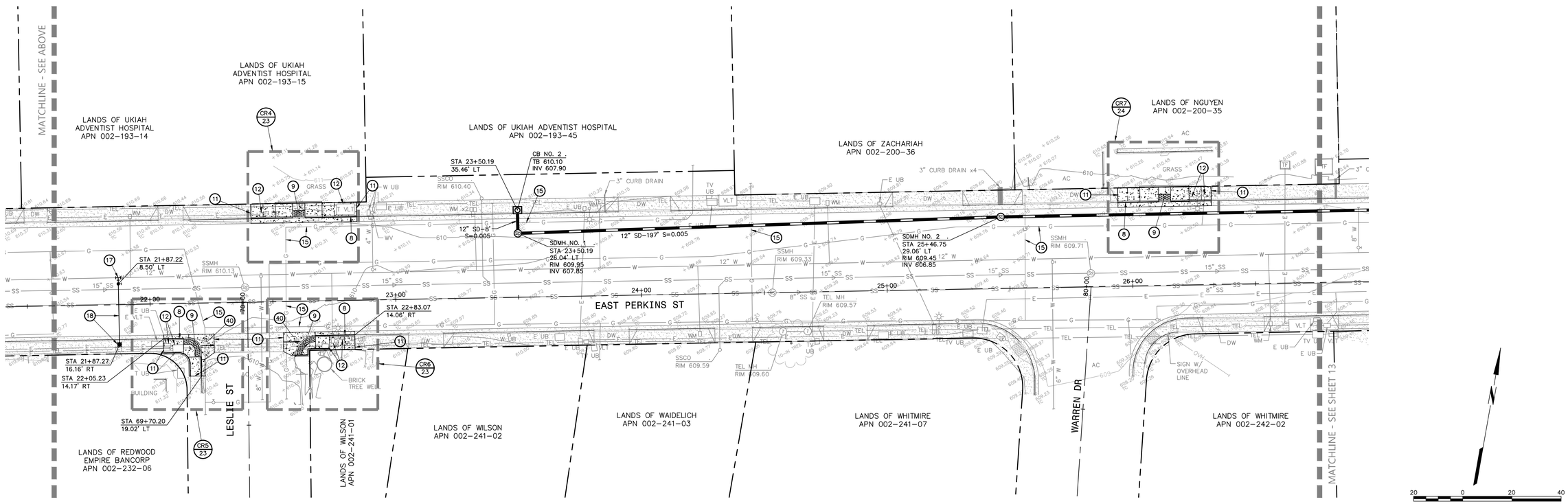
Plot: Oct 19, 2023 at 8:43am





KEYNOTES:

(8) CONCRETE SIDEWALK, CURB AND GUTTER IN ACCORDANCE WITH CITY OF UKIAH STANDARD DRAWING 102. SIDEWALK SLOPE SHALL NOT EXCEED 1.5-PERCENT (1.5%).

(9) CURB RAMP AND DETECTABLE WARNING SURFACE IN ACCORDANCE WITH SECTIONS 11B-406 AND 11B-705 OF THE 2022 CALIFORNIA BUILDING CODE.

(11) CONFORM TO EXISTING SURFACE ELEVATION IN A MANNER WHICH GENERATES A UNIFORM TRANSITION BETWEEN SURFACES AND DOES NOT IMPEDE DRAINAGE.

(12) ADJUST EXISTING UTILITY TO FINISHED GROUND SURFACE ELEVATION.

(15) VERIFY THE LOCATION(S) OF GAS FACILITIES IN THIS AREA AND COORDINATE WITH THE OWNER OF THE UTILITY AND THE DRY UTILITY CONSULTANT TO RELOCATE GAS FACILITIES AS REQUIRED TO FACILITATE THE PROPOSED IMPROVEMENTS.

(17) CONNECT TO EXISTING UTILITY IN A MANNER WHICH PROVIDES A PERMANENT WATER TIGHT SEAL.

(18) FIRE HYDRANT AND LATERAL ASSEMBLY IN ACCORDANCE WITH CITY OF UKIAH STANDARD DRAWING 305.

(40) VALLEY GUTTER IN ACCORDANCE WITH CITY OF UKIAH STANDARD DRAWING 104.

REGISTERED PROFESSIONAL ENGINEER REBECCA DOWER No. C 80868 CIVIL STATE OF CALIFORNIA

C 80868

10/20/2023

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URBAN CORE REHABILITATION
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CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

GRADING AND UTILITY PLAN

No.	Revisions

Date: OCT 2023
Scale: AS SHOWN
Design: BD
Drawn: BTL
Approved: BD
Job No: 20212351

Drawing Number:

12 OF 143

Plot: Oct 19, 2023 at 8:46am
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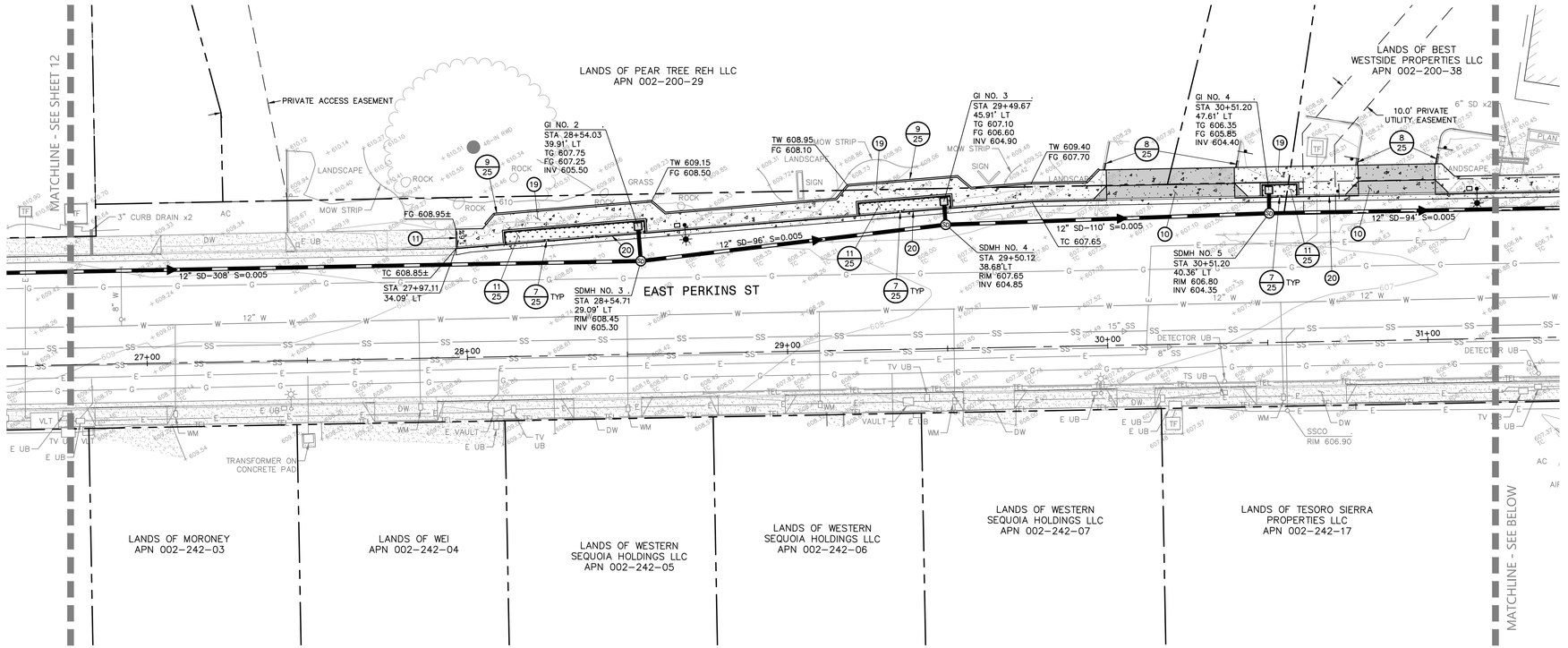

KEYNOTES:

(8) CONCRETE SIDEWALK, CURB AND GUTTER IN ACCORDANCE WITH CITY OF UKIAH STANDARD DRAWING 102. SIDEWALK SLOPE SHALL NOT EXCEED 1.5-PERCENT (1.5%).

(9) CURB RAMP AND DETECTABLE WARNING SURFACE IN ACCORDANCE WITH SECTIONS 11B-406 AND 11B-705 OF THE 2022 CALIFORNIA BUILDING CODE.

(10) DRIVEWAY APRON WITH CONTINUOUS SIDEWALK IN ACCORDANCE WITH CITY OF UKIAH STANDARD DRAWING 103. SIDEWALK SLOPE SHALL NOT EXCEED 1.5-PERCENT (1.5%).

(11) CONFORM TO EXISTING SURFACE ELEVATION IN A MANNER WHICH GENERATES A UNIFORM TRANSITION BETWEEN SURFACES AND DOES NOT IMPEDE DRAINAGE.

(14) POTHOLE TO DETERMINE THE ACTUAL LOCATION, TYPE, SIZE, DEPTH AND CONFIGURATION OF THE EXISTING UTILITY AND PROVIDE THIS INFORMATION IN WRITING TO THE ENGINEER PRIOR TO PERFORMING WORK IN THIS AREA.

(15) VERIFY THE LOCATION(S) OF GAS FACILITIES IN THIS AREA AND COORDINATE WITH THE OWNER OF THE UTILITY AND THE DRY UTILITY CONSULTANT TO RELOCATE GAS FACILITIES AS REQUIRED TO FACILITATE THE PROPOSED IMPROVEMENTS.

(16) REMOVE PORTIONS OF EXISTING STORM DRAIN PIPE TO FACILITATE THE PROPOSED IMPROVEMENTS AND CONNECT TO THE NEW STRUCTURE. FORM AND FILL AREA BETWEEN PIPE AND STRUCTURE WITH CONCRETE IN A MANNER WHICH PROVIDES A PERMANENT WATER TIGHT SEAL.

(19) CONCRETE SIDEWALK IN ACCORDANCE WITH CITY OF UKIAH STANDARD DRAWING 102.

(20) CURB AND GUTTER IN ACCORDANCE WITH CITY OF UKIAH STANDARD DRAWING 102.

(21) DETECTABLE WARNING SURFACE IN ACCORDANCE WITH SECTION 11B-705 OF THE 2022 CALIFORNIA BUILDING CODE.

(22) REMOVE PORTIONS OF EXISTING STORM DRAIN STRUCTURE TO FACILITATE THE PROPOSED IMPROVEMENTS AND CONNECT TO THE EXISTING STRUCTURE. FORM AND FILL AREA BETWEEN PIPE AND STRUCTURE WITH CONCRETE IN A MANNER WHICH PROVIDES A PERMANENT WATER TIGHT SEAL.

REGISTERED PROFESSIONAL ENGINEER
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URBAN CORE REHABILITATION
PERKINS STREET PAVEMENT REHABILITATION AND ROADWAY WIDENING
CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

GRADING AND UTILITY PLAN

Revisions

No.	

Date: OCT 2023
Scale: AS SHOWN
Design: BD
Drawn: BTL
Approved: BD
Job No: 20212351

Drawing Number:

13 OF 143

20 0 20 40
scale 1" = 20' feet

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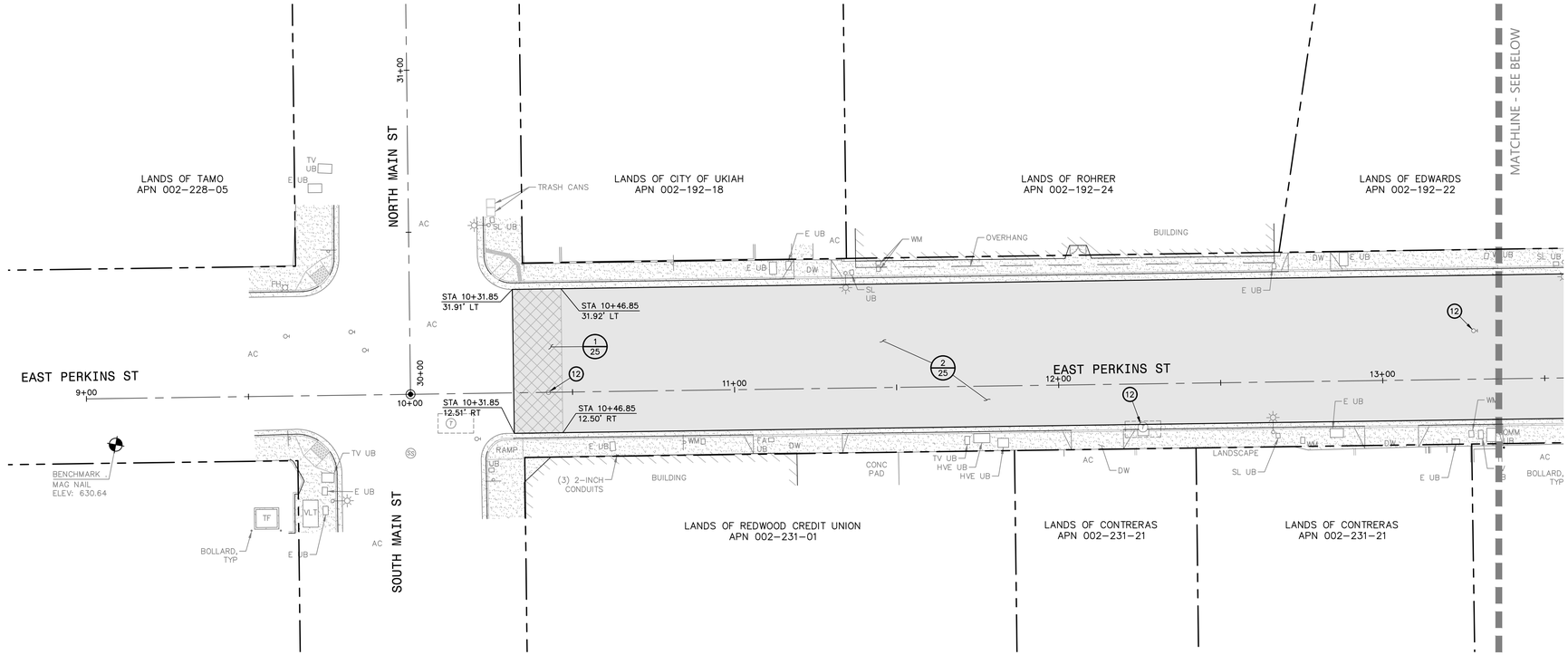
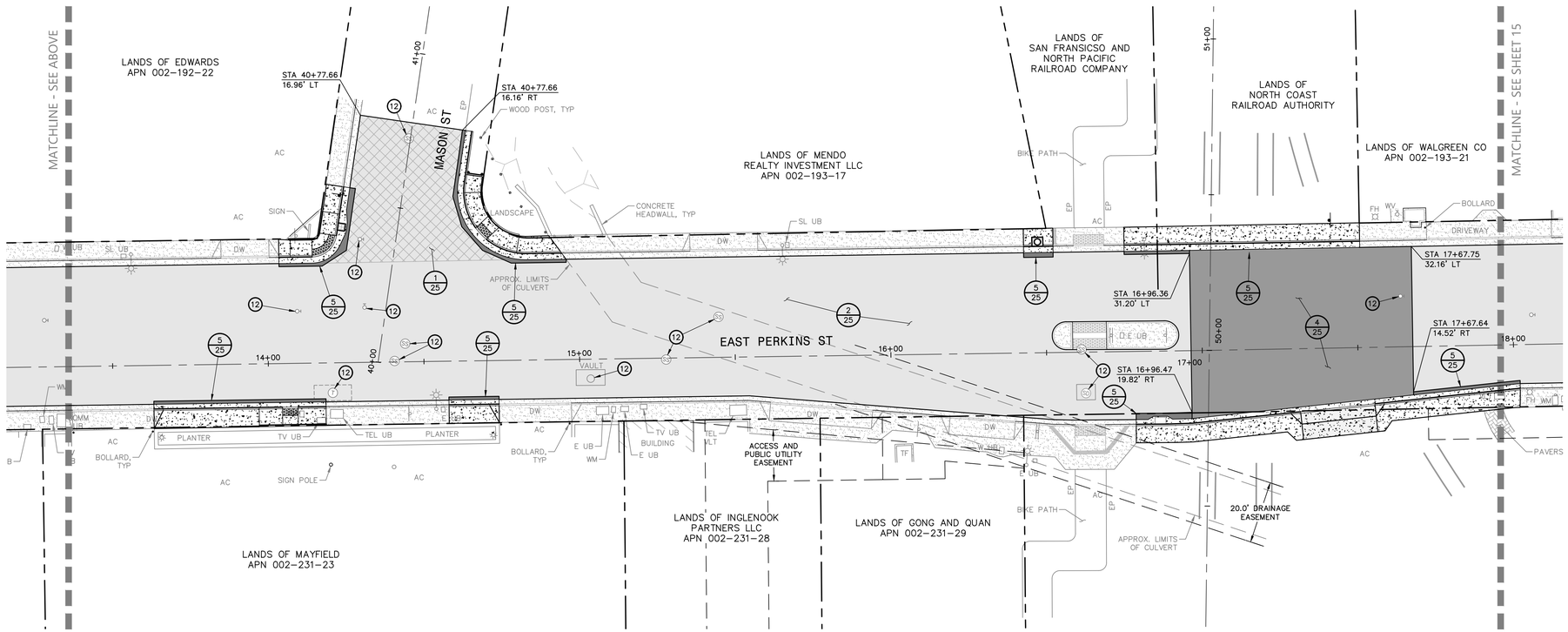
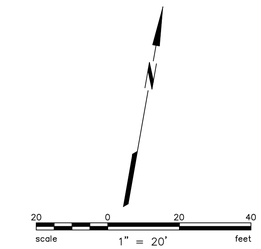
212351_IMPR.dwg
Plot: Oct 19, 2023 at 8:48am

KEYNOTES:

(12) ADJUST EXISTING UTILITY TO FINISHED GROUND SURFACE ELEVATION.







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URBAN CORE REHABILITATION

PERKINS STREET PAVEMENT REHABILITATION AND ROADWAY WIDENING
CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

PAVING PLAN

No.	Revisions

Date: OCT 2023
Scale: AS SHOWN
Design: BD
Drawn: BTL
Approved: BD
Job No: 20212351

Drawing Number:

14 OF 143

Plot Oct 19, 2023 at 8:45am
212351_IMPR.dwg
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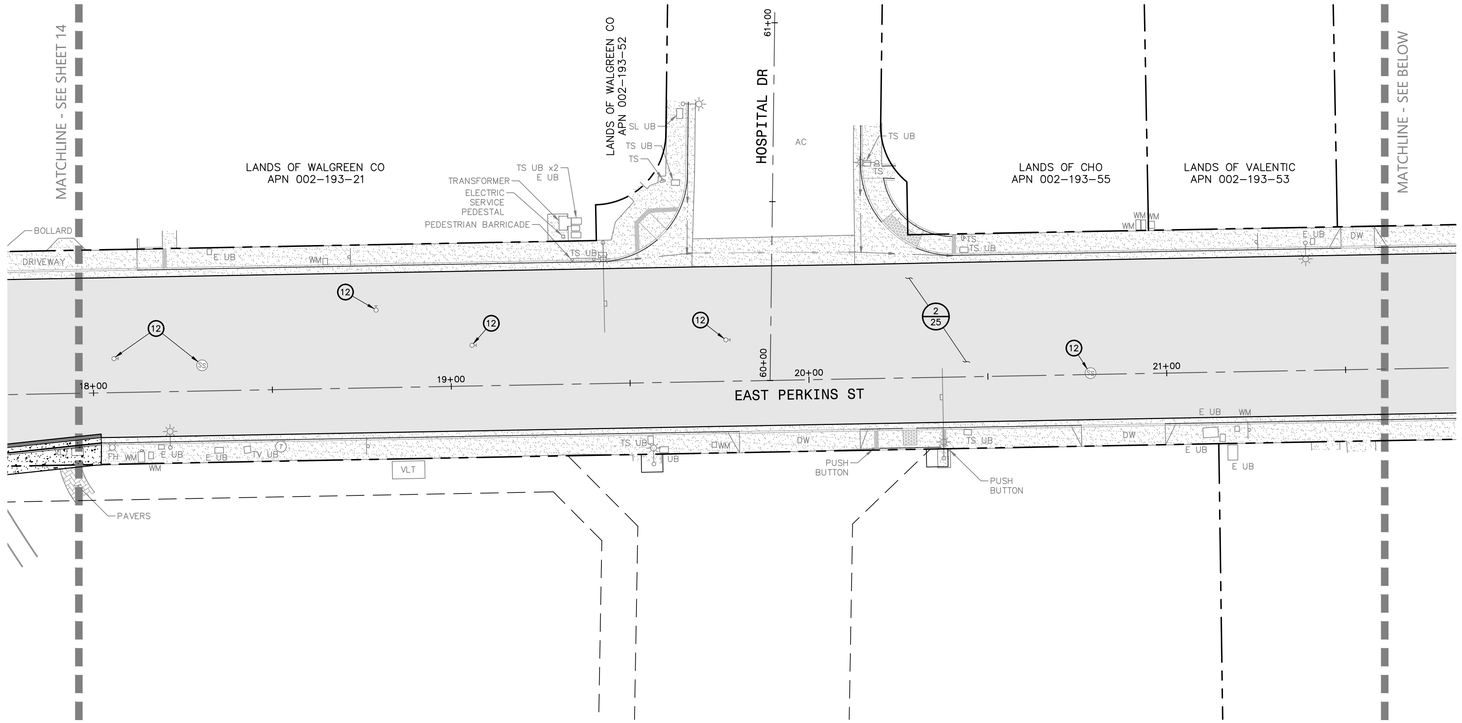
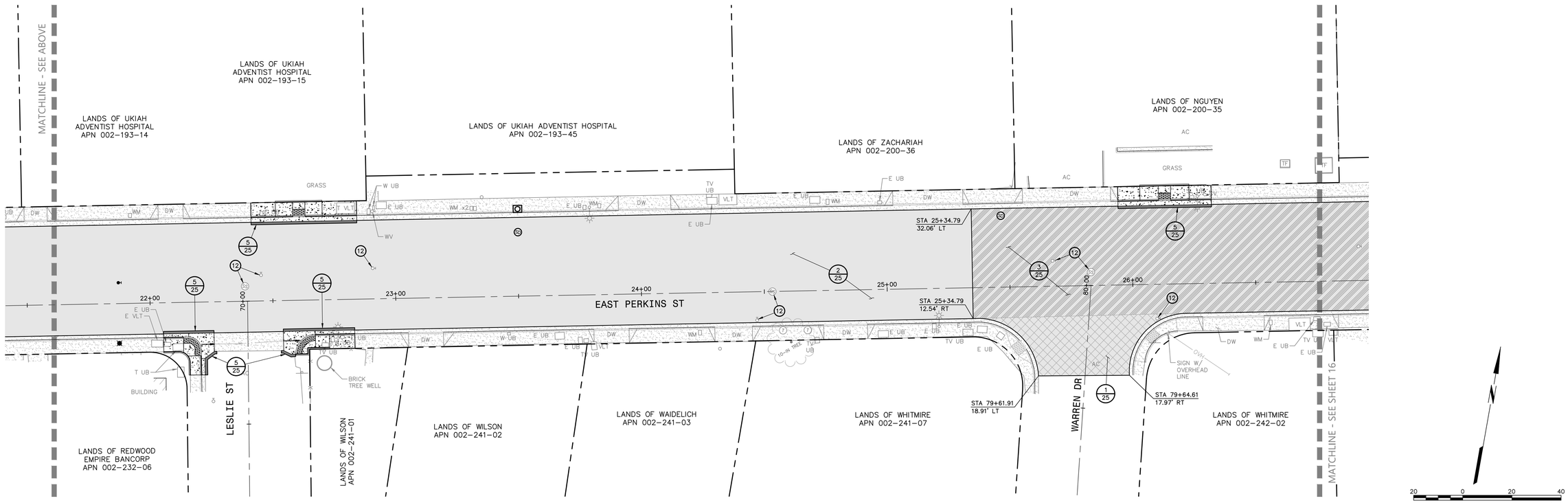
KEYNOTES:

(12) ADJUST EXISTING UTILITY TO FINISHED GROUND SURFACE ELEVATION.





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URBAN CORE REHABILITATION
PERKINS STREET PAVEMENT REHABILITATION AND ROADWAY WIDENING
CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

PAVING PLAN

No.	Revisions

Date: OCT 2023
Scale: AS SHOWN
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Drawn: BTL
Approved: BD
Job No: 20212351

Drawing Number:

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Plot Oct 19, 2023 at 8:45am
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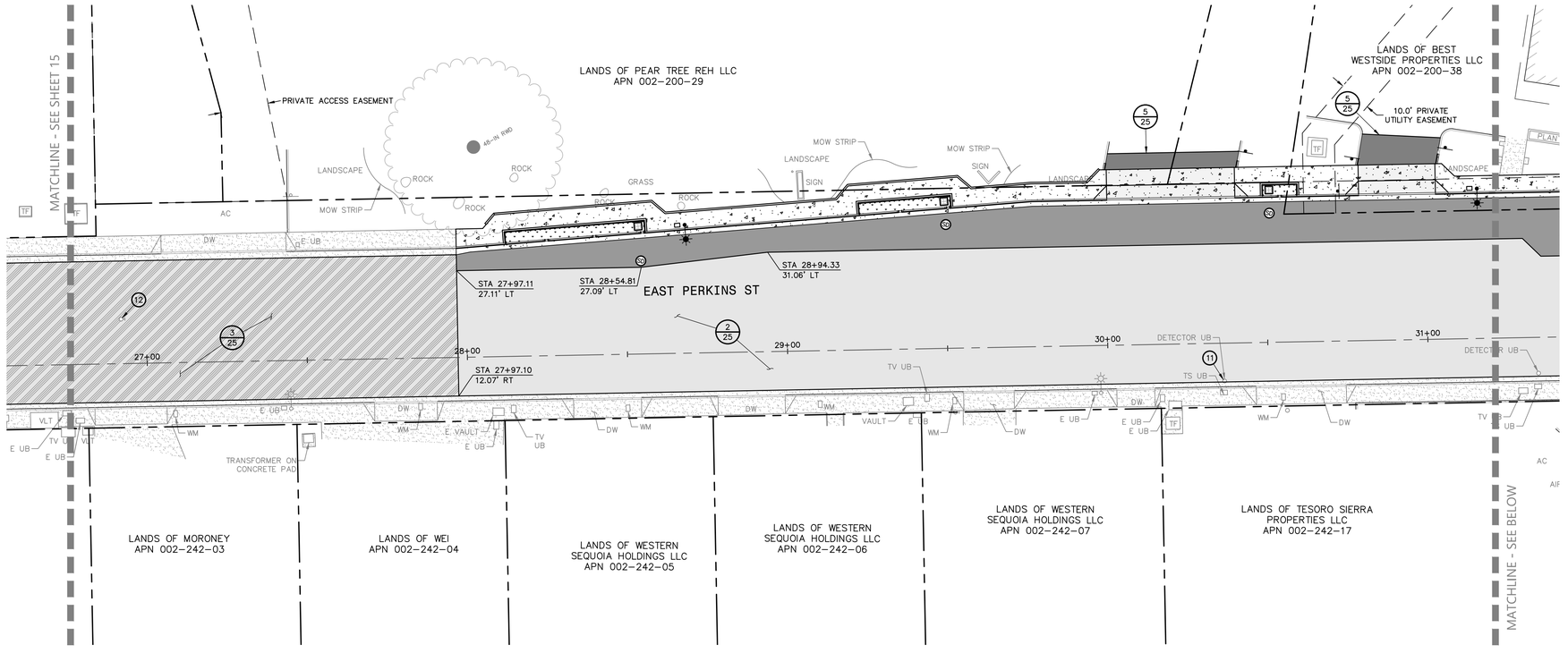
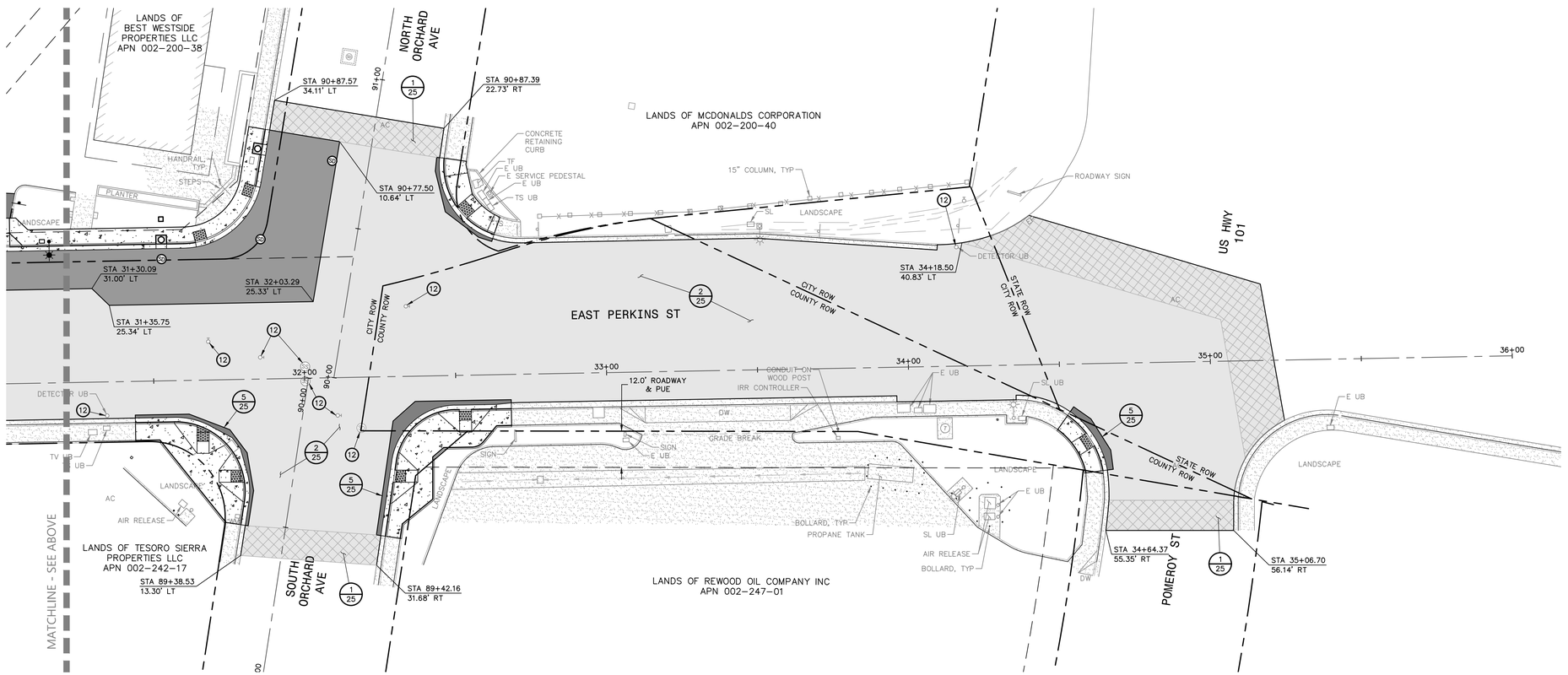
KEYNOTES:

(12) ADJUST EXISTING UTILITY TO FINISHED GROUND SURFACE ELEVATION.





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10/20/2023

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URBAN CORE REHABILITATION
PERKINS STREET PAVEMENT REHABILITATION AND ROADWAY WIDENING
CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

PAVING PLAN

No.	Revisions

Date: OCT 2023
Scale: AS SHOWN
Design: BD
Drawn: BTL
Approved: BD
Job No: 20212351

Drawing Number:

16 OF 143

Plot Oct 19, 2023 at 8:50am
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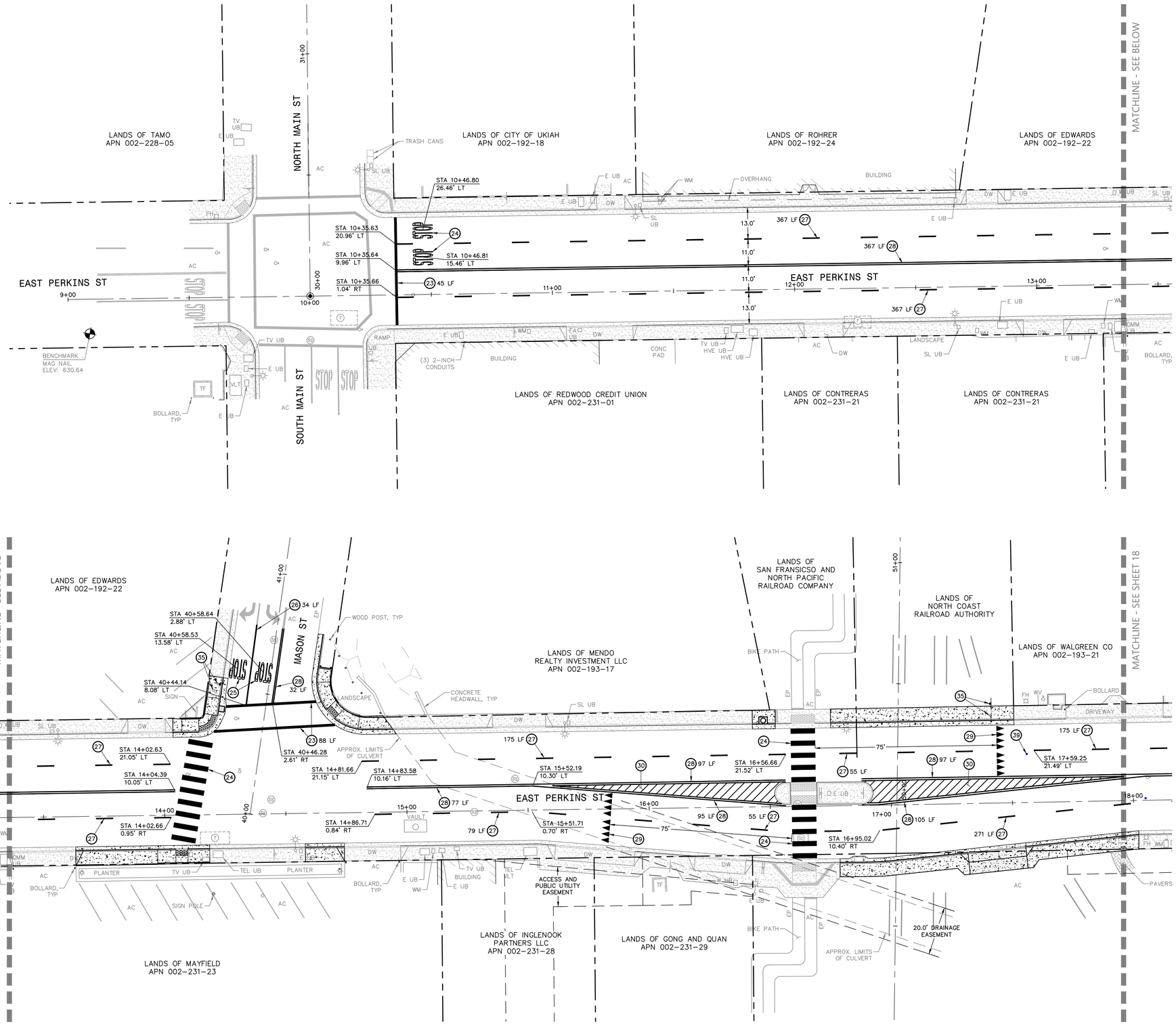

KEYNOTES:

23. 'BASIC' STYLE CROSSWALK (2018 CALTRANS STANDARD PLAN A24F).
24. 'CONTINENTAL' STYLE CROSSWALK (2018 CALTRANS STANDARD PLAN A24F).
25. 'STOP' LEGEND (2018 CALTRANS STANDARD PLAN A24D).
26. SOLID LANELINE (CALTRANS STANDARD DETAIL 38/38A).
27. DASHED LANELINE (CALTRANS STANDARD DETAIL 8).
28. DOUBLE YELLOW CENTERLINE (CALTRANS STANDARD DETAIL 21).
29. 'SHARK TEETH' PAVEMENT MARKINGS (2018 CALTRANS STANDARD PLAN 24E).
30. MEDIAN STRIPING IN ACCORDANCE WITH FIGURE 3B-15 OF THE 2014 CALIFORNIA MUTCD.
35. RELOCATE EXISTING STREET SIGN.
39. BLUE RETROREFLECTIVE FIRE HYDRANT PAVEMENT MARKER.

20 0 20 40
scale 1" = 20' feet

REGISTERED PROFESSIONAL ENGINEER REBECCA DOWER No. C 80868 CIVIL STATE OF CALIFORNIA

10/20/2023

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CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

STRIPING AND SIGNAGE PLAN

Revisions

No.	

Date: OCT 2023
Scale: AS SHOWN
Design: BD
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Approved: BD
Job No: 20212351

Drawing Number:

17 OF 143

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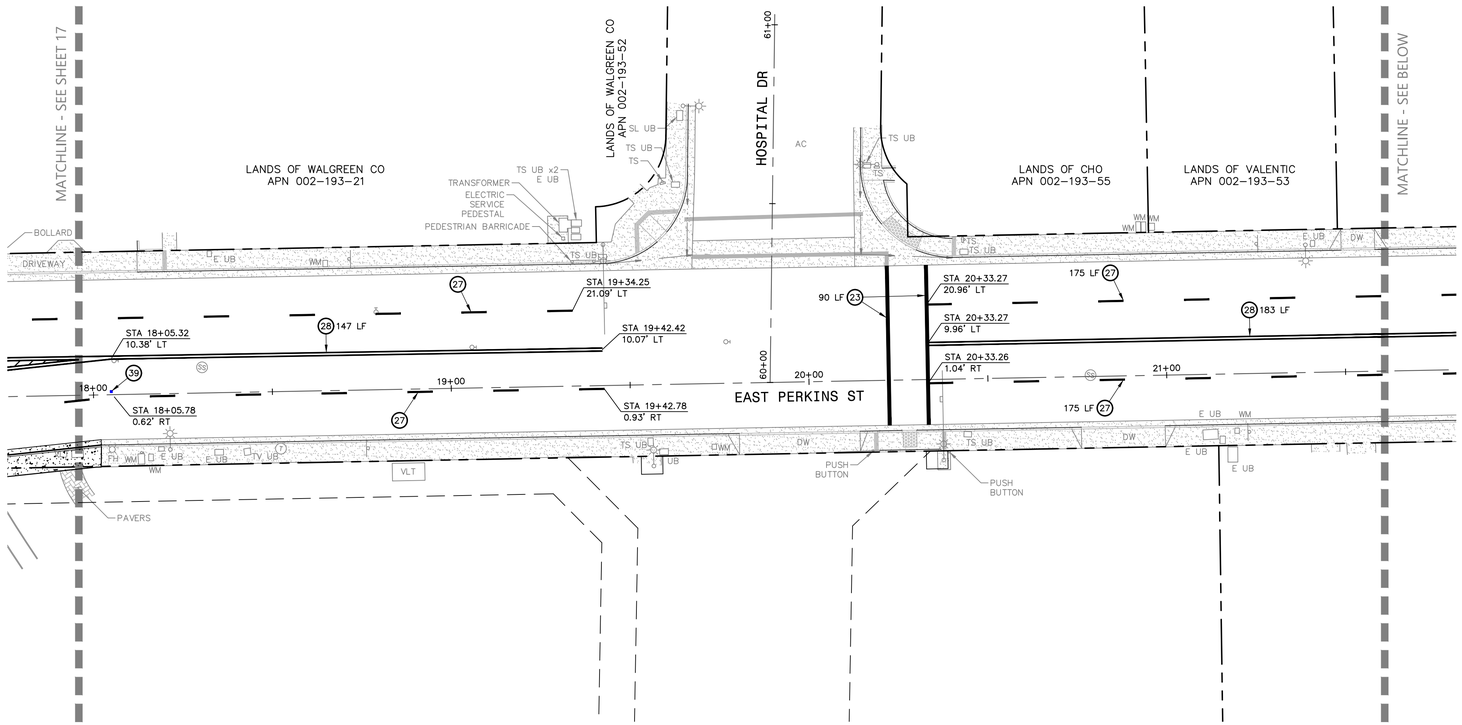

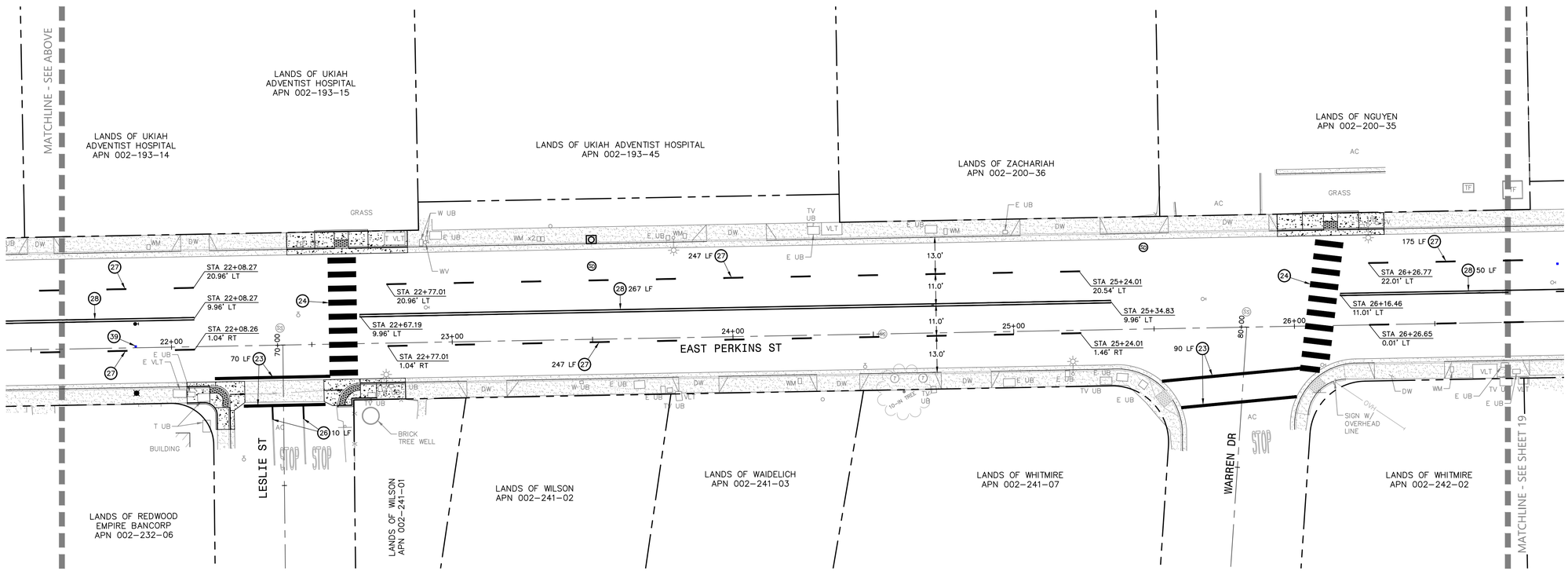

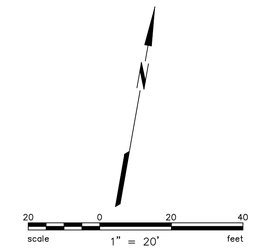

KEYNOTES:

(23) 'BASIC' STYLE CROSSWALK (2018 CALTRANS STANDARD PLAN A24F).

(24) 'CONTINENTAL' STYLE CROSSWALK (2018 CALTRANS STANDARD PLAN A24F).

(26) SOLID LANELINE (CALTRANS STANDARD DETAIL 38/38A).

(27) DASHED LANELINE (CALTRANS STANDARD DETAIL 8).

(28) DOUBLE YELLOW CENTERLINE (CALTRANS STANDARD DETAIL 21).

(39) BLUE RETROREFLECTIVE FIRE HYDRANT PAVEMENT MARKER.

REGISTERED PROFESSIONAL ENGINEER REBECCA DOWER No. C 80868 CIVIL STATE OF CALIFORNIA

10/20/2023

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CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

STRIPING AND SIGNAGE PLAN

No.	Revisions

Date: OCT 2023
Scale: AS SHOWN
Design: BD
Drawn: BTL
Approved: BD
Job No: 20212351

Drawing Number:

18 OF 143

Plot Oct 19, 2023 at 8:52am
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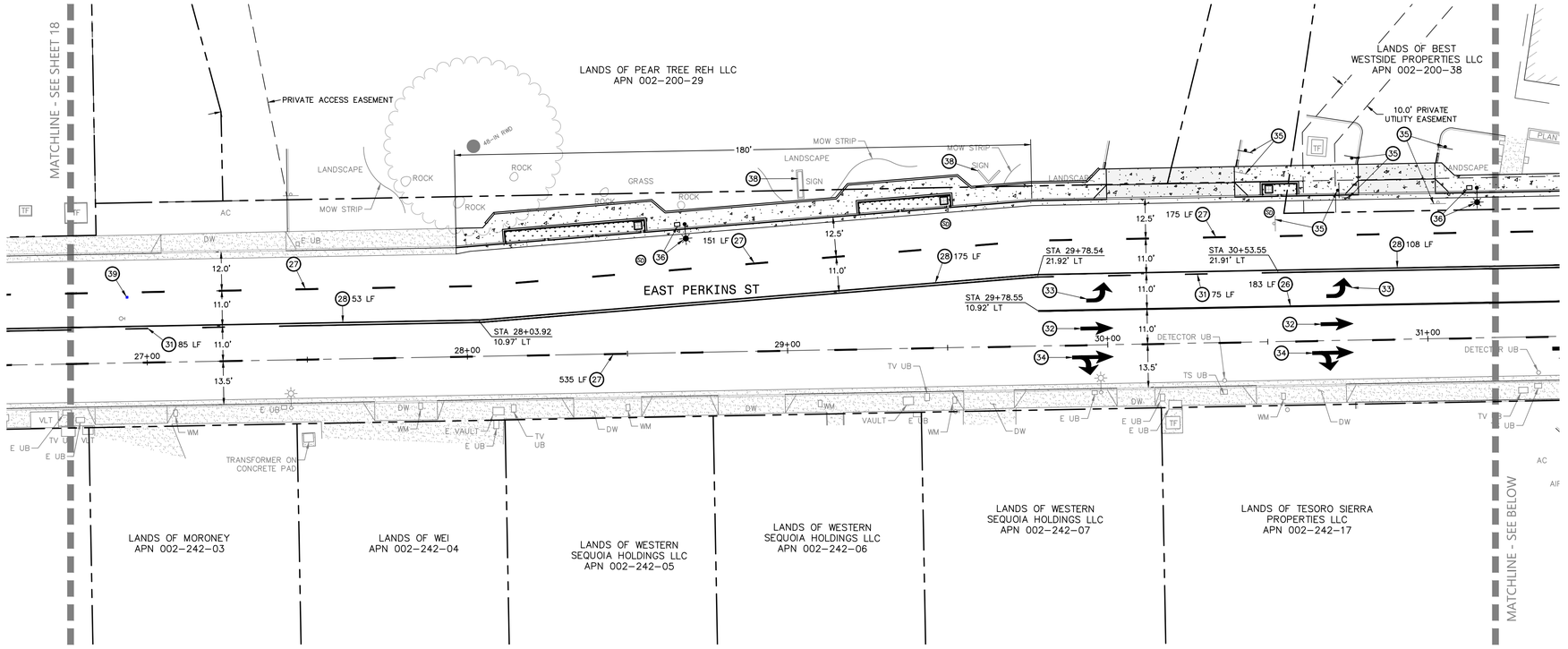

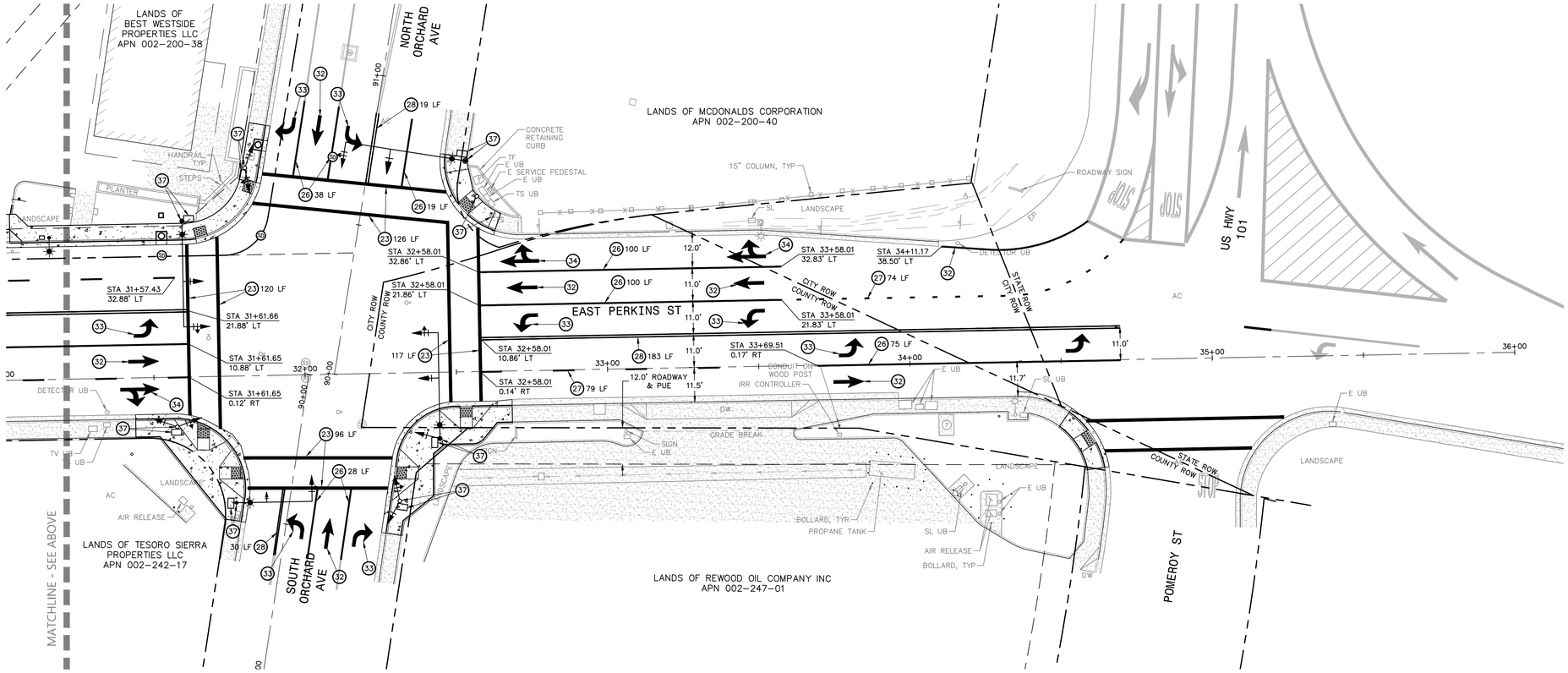

KEYNOTES:

(23) 'BASIC' STYLE CROSSWALK (2018 CALTRANS STANDARD PLAN A24F).

(26) SOLID LANELINE (CALTRANS STANDARD DETAIL 38/38A).

(27) DASHED LANELINE (CALTRANS STANDARD DETAIL 8).

(28) DOUBLE YELLOW CENTERLINE (CALTRANS STANDARD DETAIL 21).

(31) SOLID-DASHED YELLOW CENTERLINE (CALTRANS STANDARD DETAIL 32).

(32) TYPE I 10-FOOT ARROW (2018 CALTRANS STANDARD PLAN A24A).

(33) TYPE IV ARROW (2018 CALTRANS STANDARD PLAN A24A).

(34) TYPE VII ARROW (2018 CALTRANS STANDARD PLAN A24A).

(35) RELOCATE EXISTING STREET SIGN.

(36) STREET LIGHT AND PULL BOX RELOCATION. REFER TO THE TRANSPORTATION DRAWINGS.

(37) TRAFFIC SIGNAL, PUSH BUTTON, AND/OR PULL BOX. REFER TO THE TRANSPORTATION DRAWINGS.

(38) COORDINATE WITH THE OWNER OF THIS SIGN TO HAVE THEM HOLD THE SIGN IN PLACE WHILE CONDUCTING IMPROVEMENTS IN THIS AREA.

(39) BLUE RETROREFLECTIVE FIRE HYDRANT PAVEMENT MARKER.

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URBAN CORE REHABILITATION
PERKINS STREET PAVEMENT REHABILITATION AND ROADWAY WIDENING
CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

STRIPING AND SIGNAGE PLAN

No.	Revisions

Date: OCT 2023
Scale: AS SHOWN
Design: BD
Drawn: BTL
Approved: BD
Job No: 20212351

Drawing Number:

19 OF 143

scale 1" = 20' feet (20 0 20 40)

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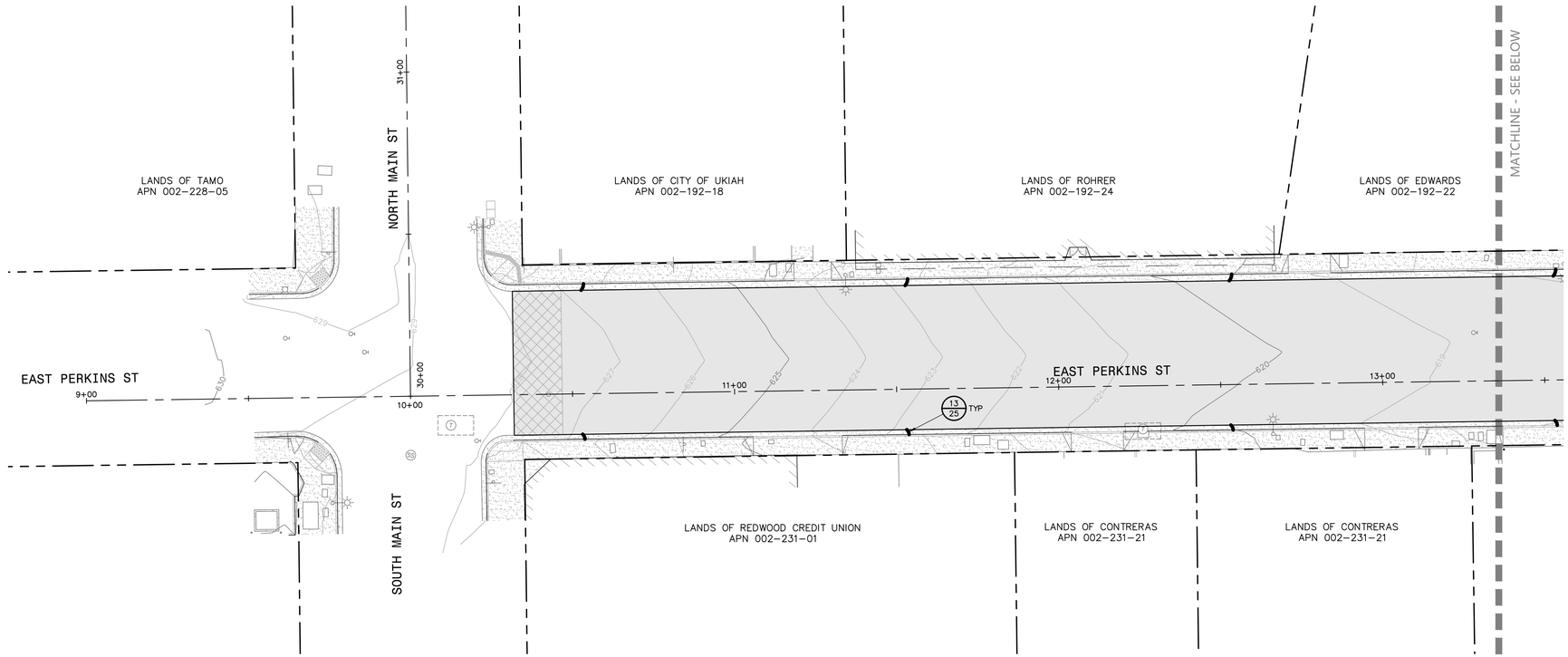
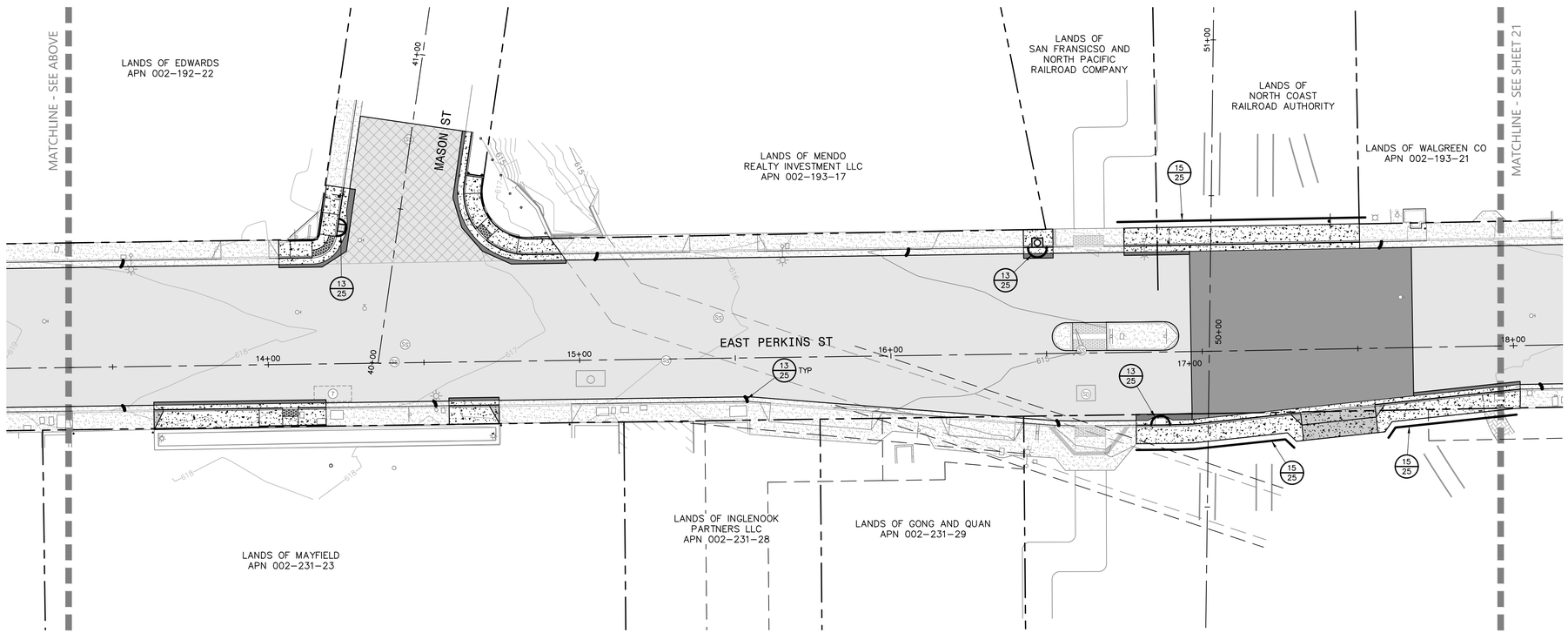
212351_IMPR.dwg
Plot: Oct 19, 2023 at 8:53am





20 0 20 40
scale 1" = 20' feet

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10/20/2023

REBECCA DOWER C 80868

URBAN CORE REHABILITATION
PERKINS STREET PAVEMENT REHABILITATION AND ROADWAY WIDENING
CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

EROSION AND SEDIMENT CONTROL PLAN

No.	Revisions

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Drawing Number:

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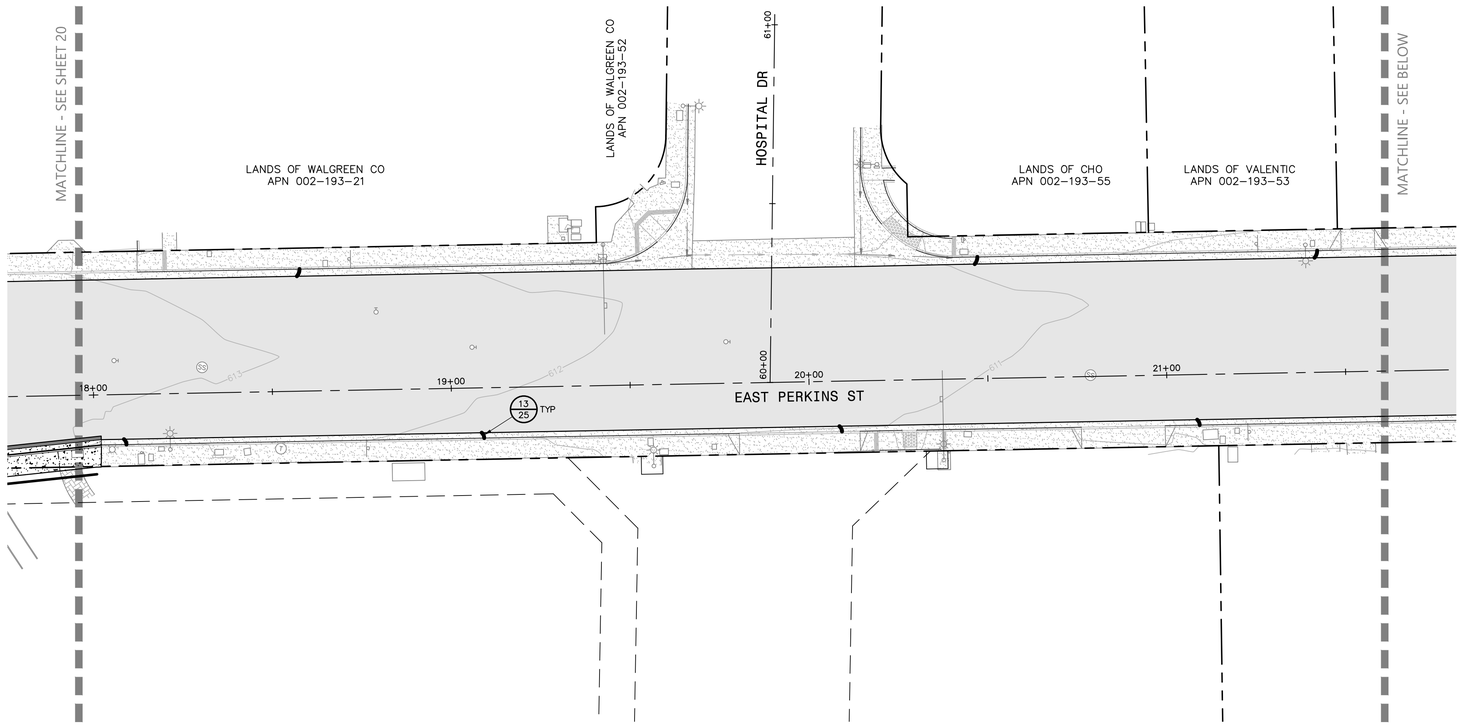
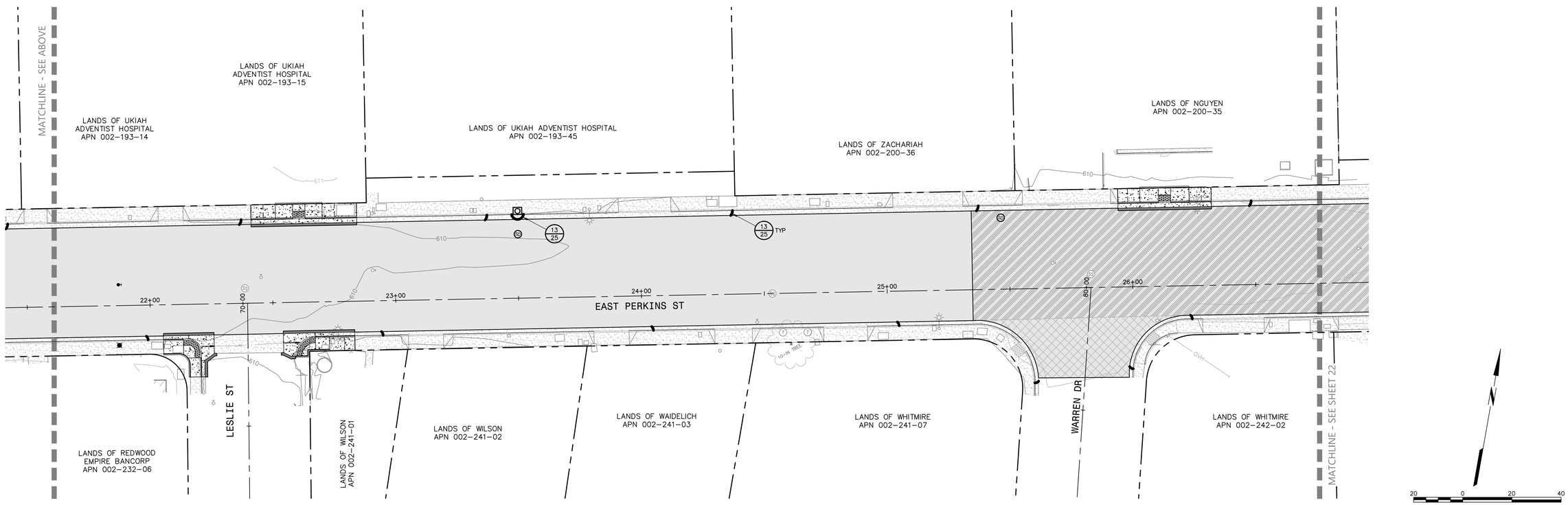
Plot Oct 19, 2023 at 8:53am
212351_IMPR.dwg





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Plot Oct 19, 2023 at 8:54am

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CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

EROSION AND SEDIMENT CONTROL PLAN

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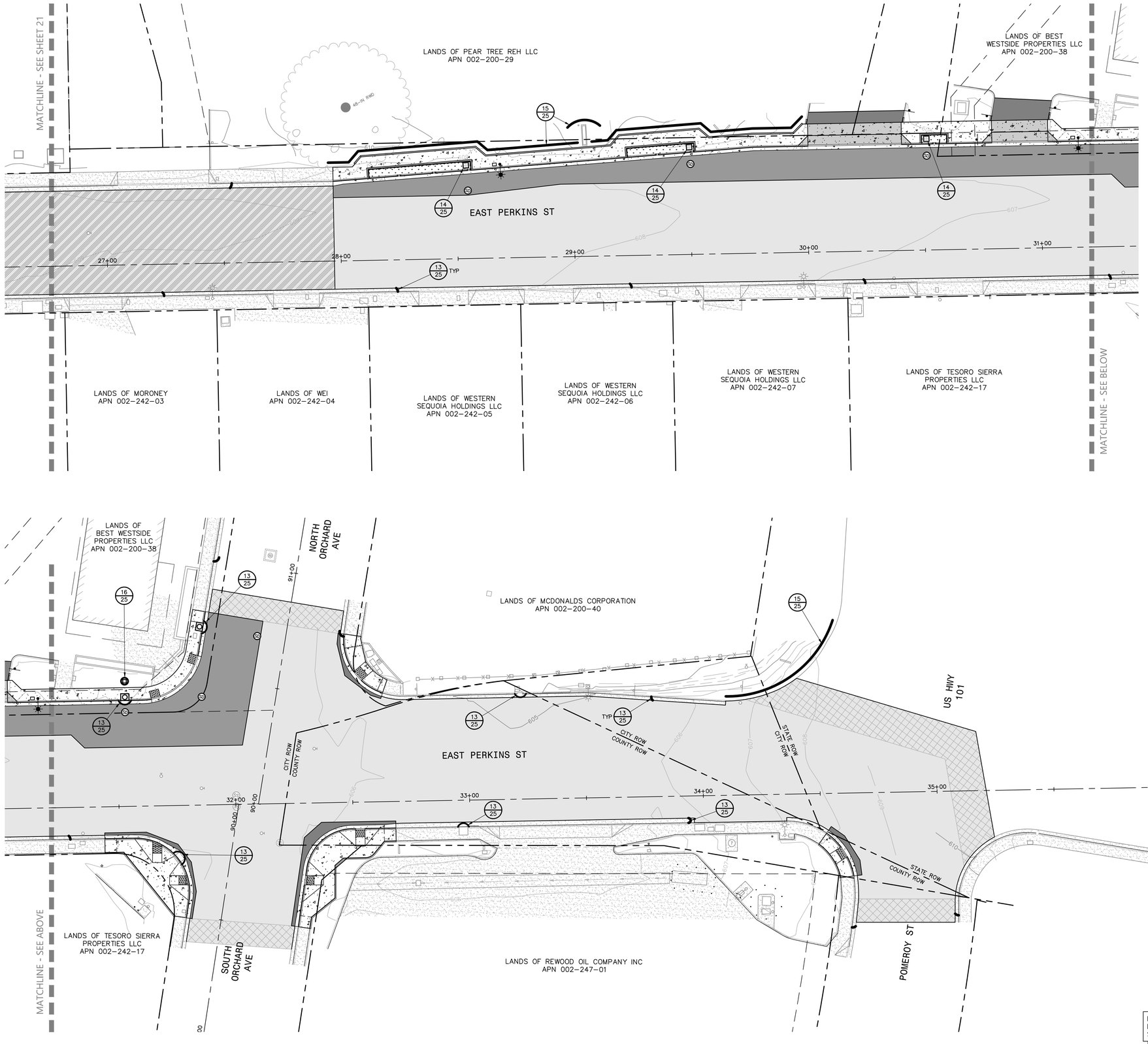

REFER TO THE CALTRANS ENCROACHMENT PERMIT DRAWINGS FOR WORK WITHIN THE STATE RIGHT OF WAY.

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22 OF 143

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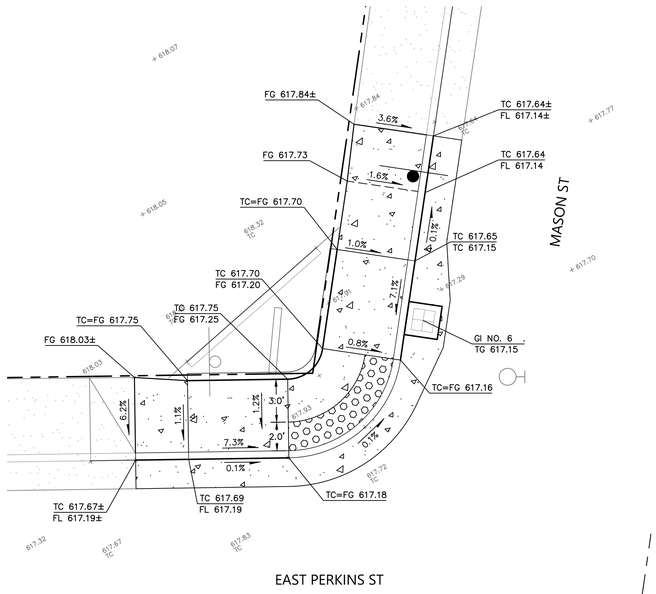

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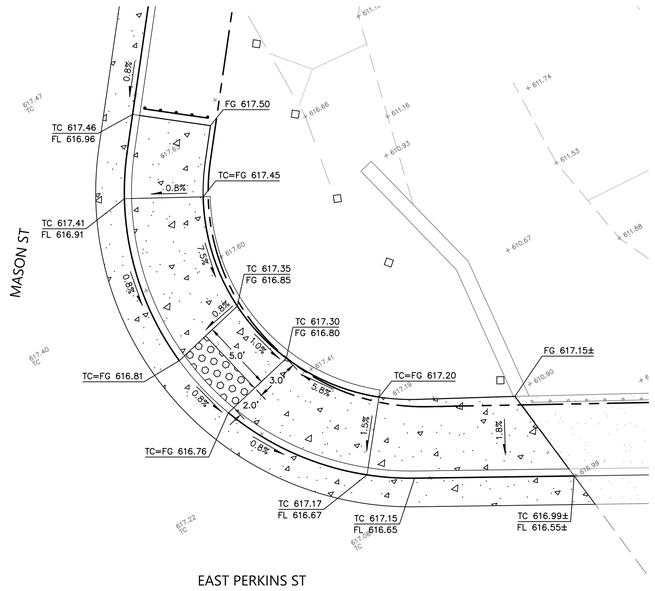

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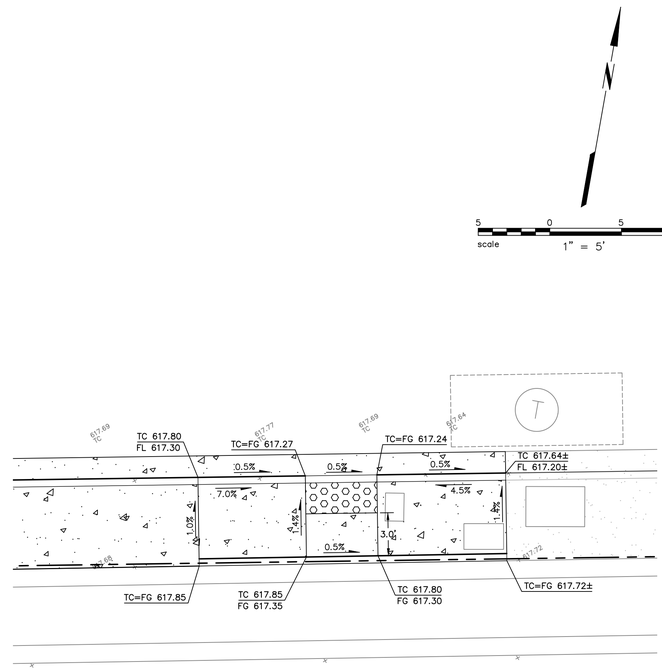

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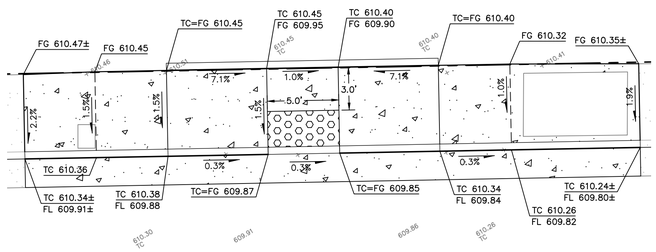

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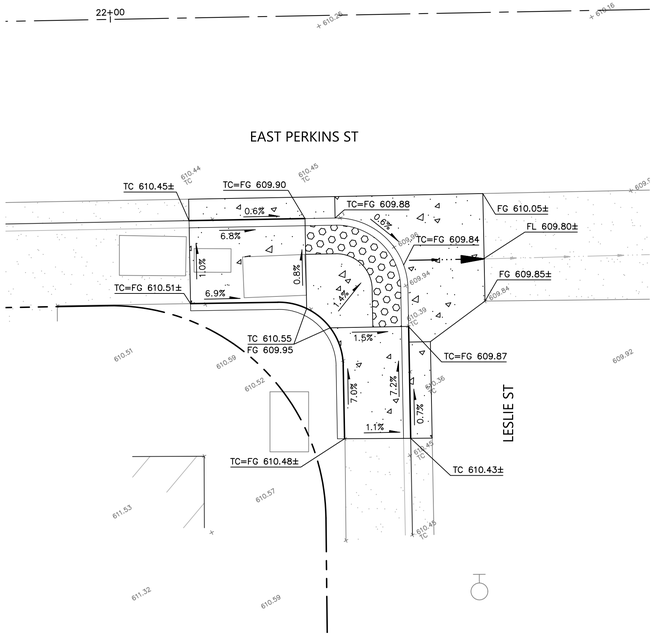

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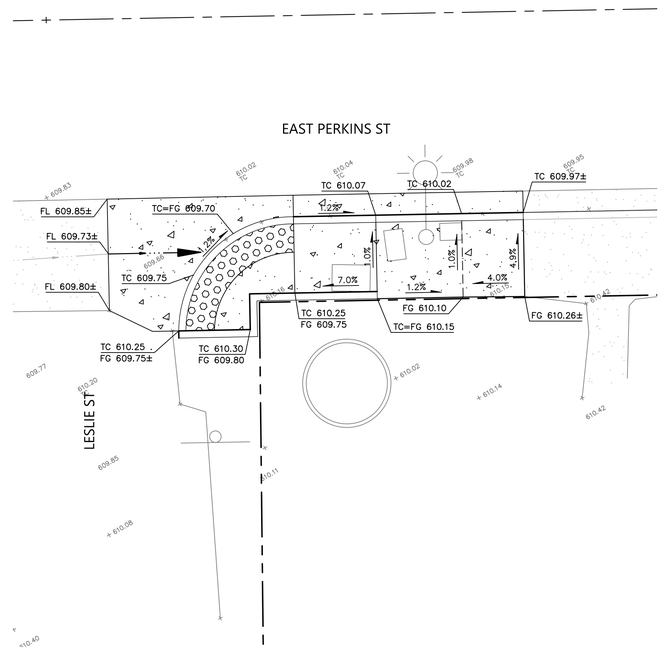

CR6 **CURB RAMP SIX**

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URBAN CORE REHABILITATION
PERKINS STREET PAVEMENT REHABILITATION AND ROADWAY WIDENING
CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

CURB RAMP GRADING DETAILS

No.	Revisions

Date: OCT 2023
Scale: AS SHOWN
Design: BD
Drawn: BTL
Approved: BD
Job No: 20212351

Drawing Number:

Mon Oct 19, 2023 at 8:56am
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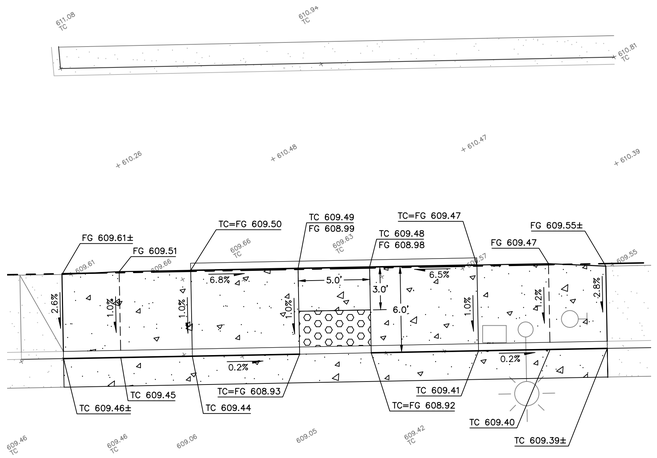

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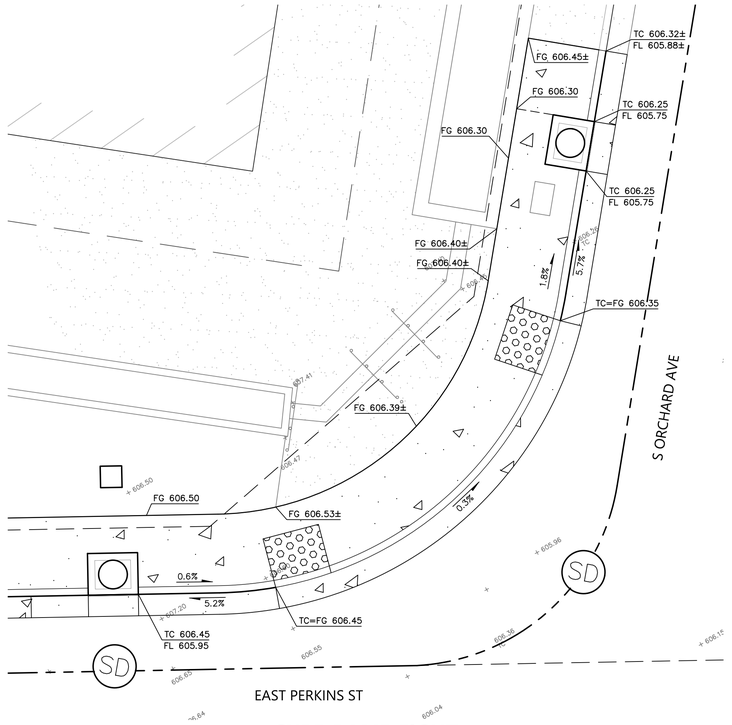

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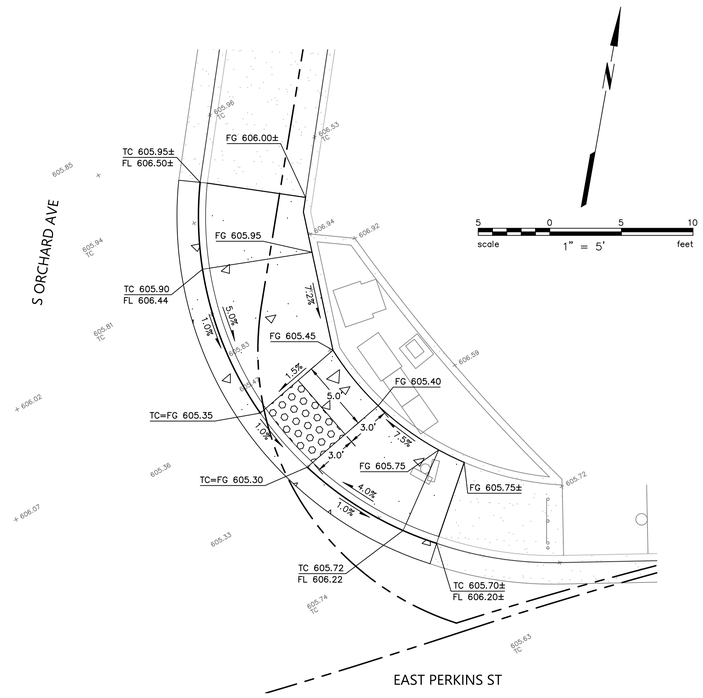

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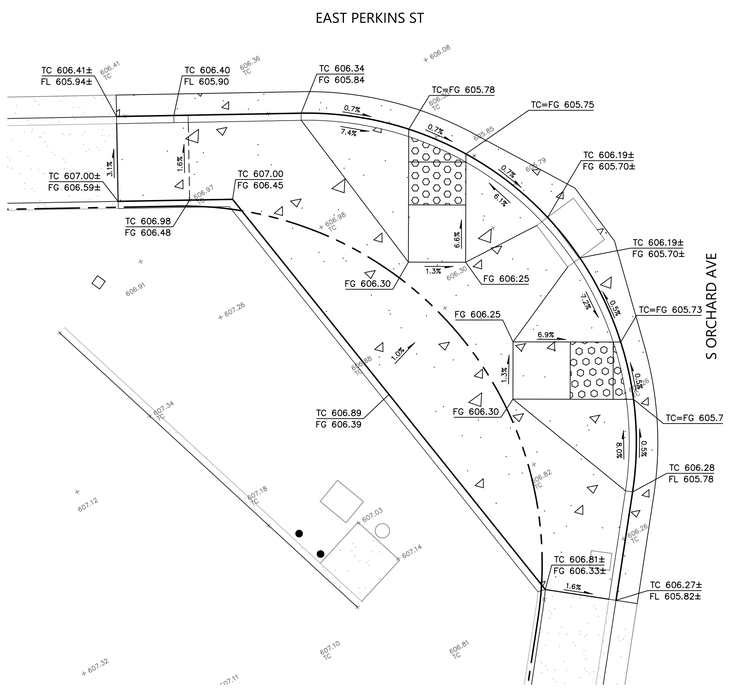

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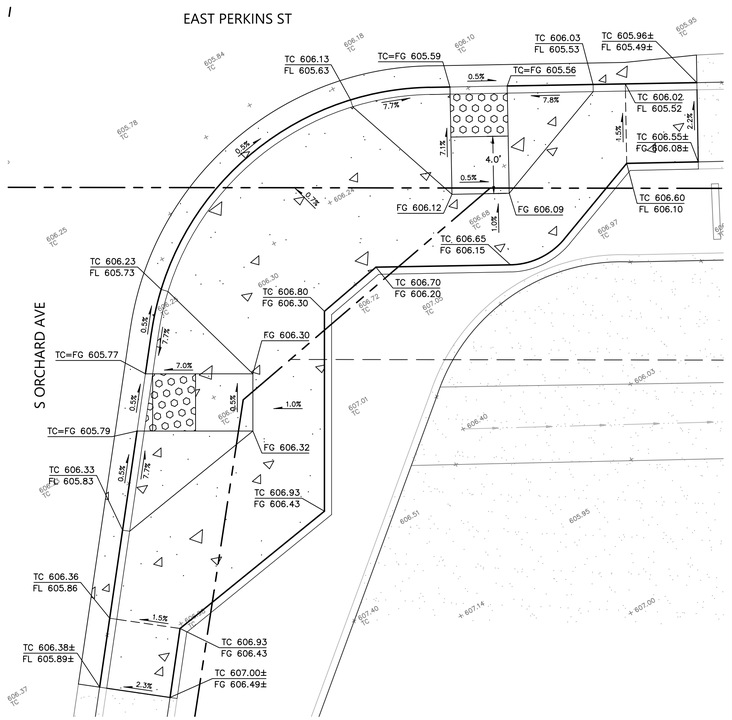

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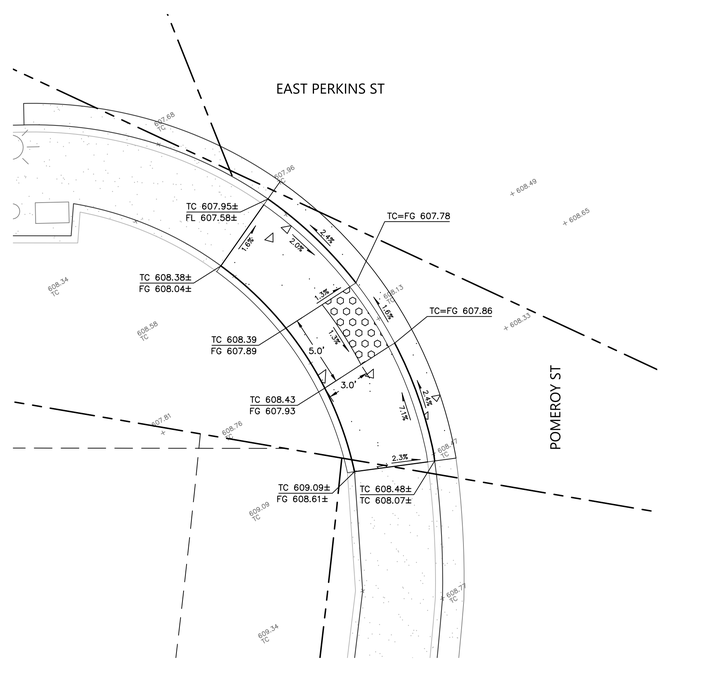

CR12 **CURB RAMP TWELVE**

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CURB RAMP GRADING DETAILS

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Job No: 20212351

Drawing Number:

Plot: Oct 19, 2023 at 8:57am
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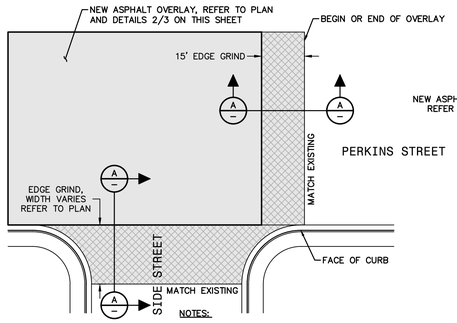
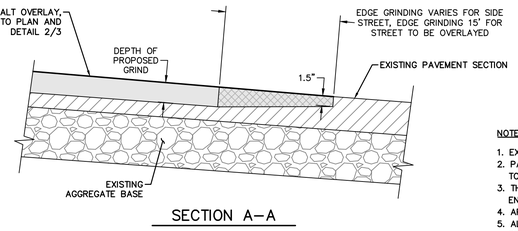


NOTES:

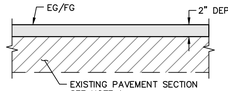
1. EXISTING PAVEMENT SECTION THICKNESSES VARY. REFER TO THE PROJECT GEOTECHNICAL REPORT.

1 – END OF PAVEMENT REHABILITATION CONFORM

NO SCALE



SECTION A–A

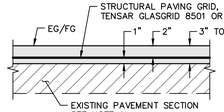


NOTES:

1. EXISTING PAVEMENT SECTION THICKNESSES VARY. REFER TO THE PROJECT GEOTECHNICAL REPORT.
2. PAVEMENT FAILURES MUST BE REPAIRED IN COMPLIANCE WITH THE PROJECT SPECIFICATIONS PRIOR TO EXECUTING GRIND AND OVERLAY WORK.
3. THOROUGHLY SWEEP SURFACE BEFORE APPLICATION OF TACK COAT AND ASPHALT OVERLAY TO ENSURE A GOOD BOND BETWEEN THE EXISTING PAVEMENT AND THE ASPHALT OVERLAY.
4. APPLY TACK COAT TO EXISTING ASPHALT PRIOR TO PLACING NEW ASPHALT OVERLAY.
5. ALL HMA MATERIAL, METHODS, AND TOLERANCES SHALL BE IN COMPLIANCE WITH THE PROJECT SPECIFICATIONS.

2 – 2" GRIND AND OVERLAY

NO SCALE

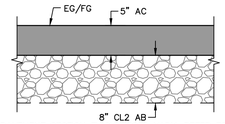


NOTES:

1. EXISTING PAVEMENT SECTION THICKNESSES VARY. REFER TO THE PROJECT GEOTECHNICAL REPORT.
2. PAVEMENT FAILURES MUST BE REPAIRED IN COMPLIANCE WITH THE PROJECT SPECIFICATIONS PRIOR TO EXECUTING GRIND AND OVERLAY WORK.
3. THOROUGHLY SWEEP SURFACE BEFORE APPLICATION OF TACK COAT AND ASPHALT OVERLAY TO ENSURE A GOOD BOND BETWEEN THE EXISTING PAVEMENT AND THE ASPHALT OVERLAY.
4. APPLY TACK COAT TO EXISTING ASPHALT PRIOR TO PLACING NEW ASPHALT OVERLAY.
5. ALL HMA MATERIAL, METHODS, AND TOLERANCES SHALL BE IN COMPLIANCE WITH THE PROJECT SPECIFICATIONS.

3 – 3" GRIND AND OVERLAY

NO SCALE

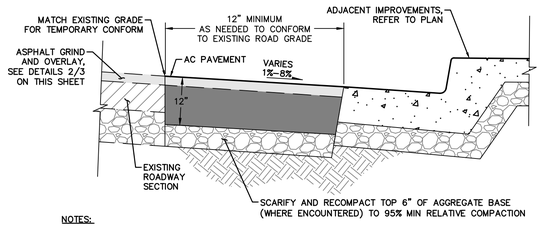


NOTES:

1. EXISTING PAVEMENT SECTION THICKNESSES VARY. REFER TO THE PROJECT GEOTECHNICAL REPORT.
2. REFER TO SECTION 6.5 OF THE PROJECT GEOTECHNICAL REPORT FOR SUBGRADE PREPARATION AND COMPACTION REQUIREMENTS.

4 – FULL DEPTH RECLAMATION

NO SCALE

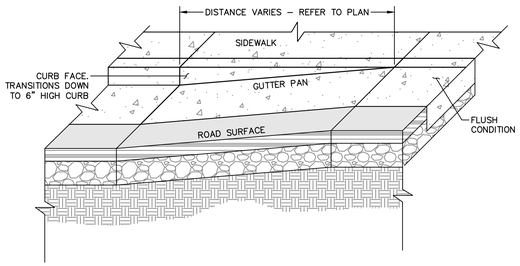


NOTES:

1. EXISTING PAVEMENT SECTION THICKNESSES VARY. REFER TO THE PROJECT GEOTECHNICAL REPORT.
2. ENTIRE SURFACE OF ASPHALT CONCRETE PLUG TO BE RESURFACED WITH FINAL TREATMENT. SEE DETAILS 2 AND 3 ON THIS SHEET.

5 – ASPHALT CONCRETE PLUG

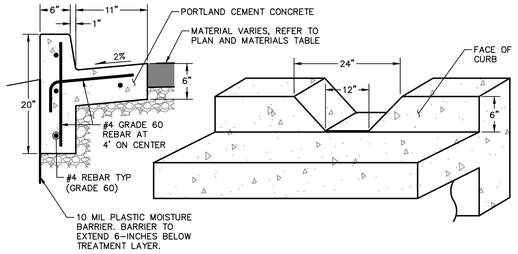
NO SCALE



6 – TRANSITION CURB

NO SCALE

LOCATE CURB DEPRESSIONS WHERE SHOWN ON THESE DRAWINGS AT INTERVALS NOT EXCEEDING 15–FEET ON CENTER.

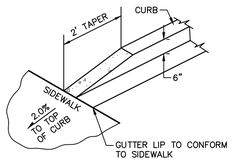


NOTE

PROVIDE WEAKENED PLANE JOINTS 1/8" WIDE AND 1.5" DEEP EVERY 15–FEET. PROVIDE EXPANSION JOINTS EVERY 60–FEET AND AT CHANGES IN DIRECTION. USE 1/4" THICK PREMOLDED JOINT FILLER FULL THICKNESS OF CONCRETE.

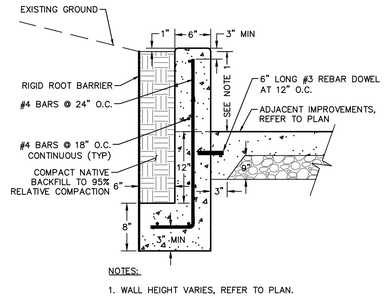
7 – CURB DEPRESSION

NO SCALE



8 – CURB TAPER

NO SCALE

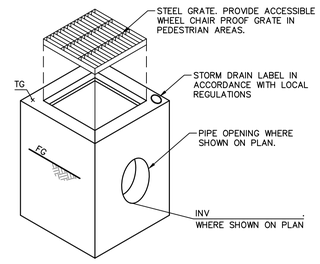


NOTES:

1. WALL HEIGHT VARIES, REFER TO PLAN.

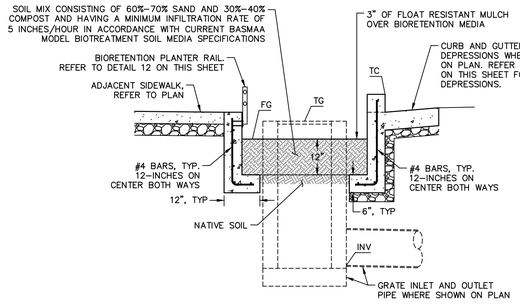
9 – RETAINING CURB

NO SCALE



10 – GRATE INLET

NO SCALE

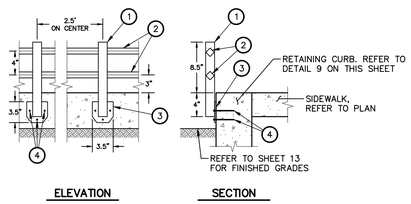


11 – BIORETENTION FACILITY

NO SCALE

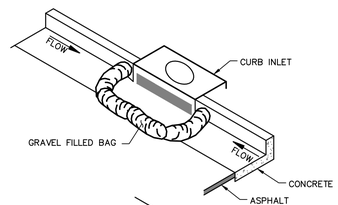
KEYNOTES:

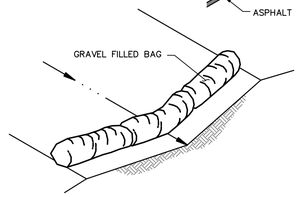
1. POST 1–1/2" SQUARE HSS, POWDER COAT BLACK
2. RAIL, 1" SQUARE HSS, POWDER COAT BLACK. INSTALL AT 45° TO HORIZONTAL, WELD TO POST
3. FLANGE, 1/4" THICK STEEL PLATE, WELD TO POST
4. EXPANSION BOLT, 3/8" DIA, 3" EMBEDMENT, 3 BOLTS PER POST AS SHOWN ON SECTION VIEW

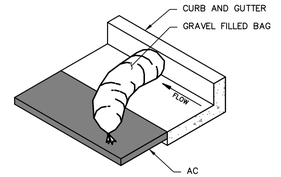


12 – BIORETENTION PLANTER RAIL

NO SCALE

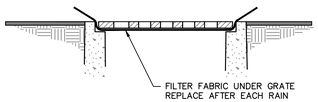






13 – GRAVEL BAGS

NO SCALE



14 – FILTER FABRIC

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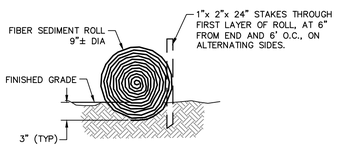
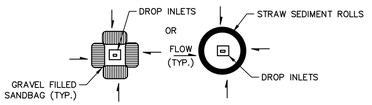


15 – FIBER ROLL

NO SCALE



16 – TYPICAL SEDIMENT DEVICES

NO SCALE

BKF ENGINEERS
200 4th STREET
SUITE 300
SANTA ROSA, CA 95401
(707) 583-8500
www.bkf.com

REGISTERED PROFESSIONAL ENGINEER – REBECCA DOWER – No. C 80868 – CIVIL – STATE OF CALIFORNIA

10/20/2023

REBECCA DOWER C 80868

URBAN CORE REHABILITATION
PERKINS STREET PAVEMENT REHABILITATION AND ROADWAY WIDENING
CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

CONSTRUCTION DETAILS

Revisions

No.

Date: OCT 2023
Scale: AS SHOWN
Design: BD
Drawn: BTL
Approved: BD
Job No: 20212351

Drawing Number:

25 OF 143

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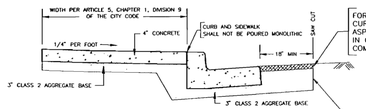
212351_IMPR.dwg

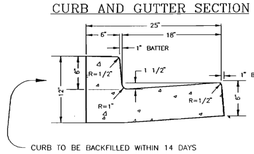
Plot: Oct 19, 2023 at 9:03am

SIDEWALK AND CURB AND GUTTER SECTION



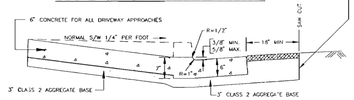
FOR REPAIR OR REPLACEMENT OF CURB AND GUTTER, SAW CUT EXISTING ASPHALT MIN. 18" FROM LIP OF GUTTER IN ORDER TO ALLOW FOR ADEQUATE COMPACTION OF AGGREGATE BASE.

CURB AND GUTTER SECTION

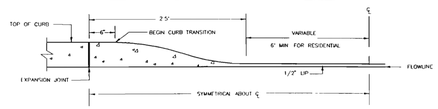


PAVEMENT: TYPE B-- 1/2 MEDIUM ASPHALT CONCRETE, THICKNESS = THE EXISTING AC SECTION PLUS 1" OR 3" WHICHEVER IS GREATER. BASE ROCK: CLASS 2 AGGREGATE BASE, THICKNESS TO MATCH EXISTING OR 6" WHICHEVER IS GREATER.

DRIVEWAY APPROACH SECTION



DRIVEWAY APPROACH ELEVATION

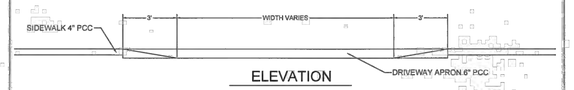


NOTES:
- EXPANSION JOINTS AT EACH SIDE OF DRIVEWAY APPROACH. SEE STD. DRWG. NO. 101.
- USE CLASS B CONCRETE (5 SACK MIX) MINIMUM.
- CURB AND GUTTER SHALL NOT BE POURED MONOLITHIC WITH SIDEWALK
- FOR DRIVEWAY APPROACH OR CURB AND GUTTER CONSTRUCTION ADJACENT TO STREET AREAS WITH EXISTING ASPHALT, CONTRACTOR SHALL SAW CUT EXISTING A.C. 18" FROM LIP OF GUTTER.
- DRIVEWAY APPROACH AND GUTTER SECTION MAY BE POURED MONOLITHIC.
- AGGREGATE BASE SHALL BE COMPACTED TO A MINIMUM OF 95% RELATIVE COMPACTION.

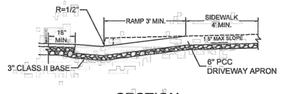
CITY OF UKIAH			
SIDEWALK, CURB AND GUTTER, AND DRIVEWAY APPROACH DETAILS			2/25/99
SCALE: NONE	DRAWN BY: PJA	APPROVED:	DRAWING NO.
DATE: 1/98	REVISED: LW		102

1/2" EXPANSION JOINT — DRIVEWAY PLAN — 1/2" EXPANSION JOINT

DRIVEWAY PLAN



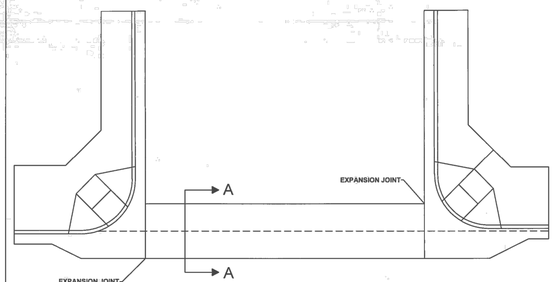
ELEVATION



SECTION

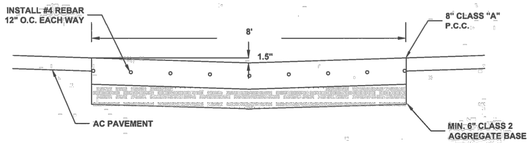
NOTES:
1. EXPANSION JOINTS AT EACH SIDE OF DRIVEWAY APPROACH. SEE STD. DRWG. NO. 101.
2. USE CLASS B CONCRETE (5 SACK MIX) MINIMUM.
3. CURB AND GUTTER SHALL NOT BE POURED MONOLITHIC WITH SIDEWALK.
4. DRIVEWAY APPROACH AND GUTTER SECTION MAY BE POURED MONOLITHIC.
5. AGGREGATE BASE SHALL BE COMPACTED TO A MINIMUM OF 95% RELATIVE COMPACTION.

DESIGN AND CONSTRUCTION STANDARDS	DRAWING NO.
DRIVEWAY APRON WITH CONTINUOUS SIDEWALK	103
TIM ERIKSEN, PUBLIC WORKS DIRECTOR / CITY ENGINEER	DRAWN BY: A.S.
	JAN. 2019 - NTS



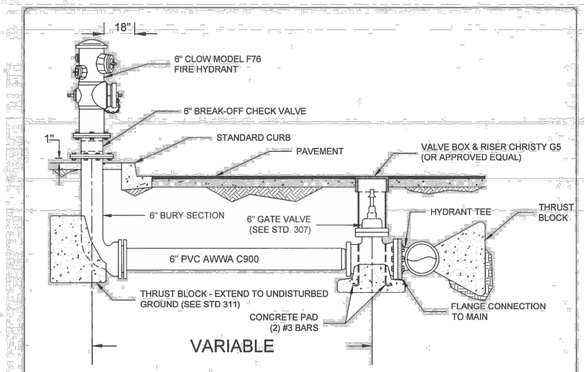
PLAN

NOTES:
1. VALLEY GUTTER DIMENSIONS AND SPACING OF REBAR MAY BE ADJUSTED AT THE DIRECTION OF THE CITY ENGINEER.
2. CONCRETE VALLEY GUTTER SHALL BE INSTALLED PRIOR TO PAVING.



SECTION A-A

DESIGN AND CONSTRUCTION STANDARDS	DRAWING NO.
STANDARD VALLEY GUTTER	104
TIM ERIKSEN, PUBLIC WORKS DIRECTOR / CITY ENGINEER	DRAWN BY: A.S.
	NOV. 2019 - NTS



VARIABLE

NOTES:
1. ON MAINS WHERE VALVES ARE TO BE INSTALLED ADJACENT TO TEES OR CROSSES, THE VALVES SHALL BE FLANGED X MJ WITH FLANGED END BOLTED DIRECTLY TO THE TEE OR CROSS.
2. WHEN HYDRANT IS AT STREET CORNER, PLACE 14"–18" INSIDE CURB RETURN.
3. FOR LOCATION IN PLANTER STRIP, CENTER OF FH IN 4' CONCRETE SLAB, 48"L X WIDTH OF STRIP.
4. APPLY SINGLE, FULL–STRENGTH COAT OF PAINT TO ENTIRE HYDRANT; PREVENT PAINT FROM ENTERING THREADS AT OUTLET CAPS. USE GLOSS WHITE OIL BASE PAINT; FULLER OBRIENT (STOCK #312–91), RUST–O–LEUM (STOCK #7692), STYLETONE (STOCK #819–01P) OR APPROVED EQUAL.
5. PROVIDE HYDRANT LOCATION MARKER SPECIFICATION 6–0.34 OF TRAFFIC MANUAL, STATE OF CALIFORNIA DOT. DEADEND RUNS UP TO 200 FT. MAY BE 6" PIPE WITH APPROVAL OF FIRE DEPARTMENT; RUNS IN EXCESS 200 FT. TO BE 8" PIPE.

DESIGN AND CONSTRUCTION STANDARDS	DRAWING NO.
FIRE HYDRANT LATERAL	305
TIM ERIKSEN, PUBLIC WORKS DIRECTOR / CITY ENGINEER	DRAWN BY: A.S.
	DEC. 2019 - NTS

BKF ENGINEERS
200 4th STREET
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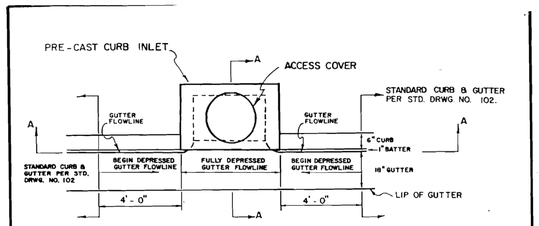
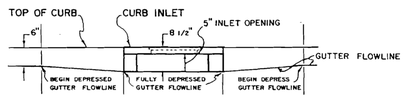
REBECCA DOWER
C 80868
10/20/2023

URBAN CORE REHABILITATION
PERKINS STREET PAVEMENT REHABILITATION AND ROADWAY WIDENING
CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

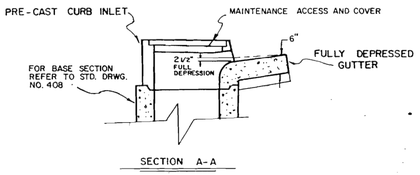
CITY OF UKIAH AND COUNTY OF MENDOCINO STANDARD DETAILS



PLAN VIEW

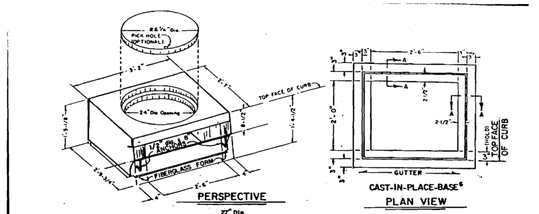


ELEVATION VIEW



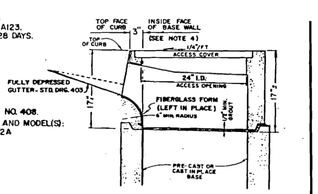
SECTION A-A

CITY OF UKIAH			
CURB INLET GUTTER DEPRESSION			
SCALE: NO SCALE	DRAWN BY: ML	APPROVED: R. Pachovelli	DRAWING NO.
DATE: 3/12/87	REVISED:		403



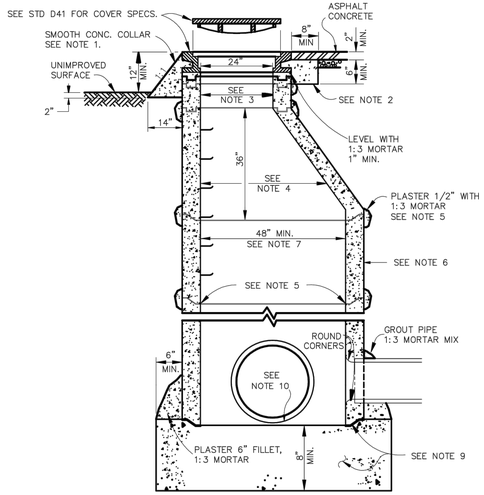
PERSPECTIVE — CAST-IN-PLACE-BASE — PLAN VIEW — TYPICAL BASE KEY — SECTION A-A

NOTES:
1. ALL METAL PARTS SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION, ASTM - A123.
2. CONCRETE SHALL TEST TO 3000 p.s.i. AT 28 DAYS.
3. ALL REINFORCING SHALL BE 4 x 4 - 6 - 6 MESH.
4. REGARDLESS OF BASE WALL THICKNESS, HOLD THE INSIDE FACE OF BASE WALL 3" FROM TOP FACE OF CURB.
5. MAXIMUM GUTTER SLOPE WITHOUT UPSTREAM GALLEY IS 6%.
6. FOR BASE SECTION REFER TO STD. DRWG. NO. 408.
7. APPROVED CURB INLET MANUFACTURER(S) AND MODEL(S): SANTA ROSA CAST PRODUCT MODEL 2-1/2A



INSTALLATION DETAILS

CITY OF UKIAH			
PRE-CAST CONCRETE CURB INLET — MODEL 2½A DETAILS			
SCALE: NO SCALE	DRAWN BY: ML	APPROVED: R. Pachovelli	DRAWING NO.
DATE: 3/17/87	REVISED: 12/98		404



NOTE: SEE MANHOLE NOTES ON STANDARD D40B

MENDOCINO COUNTY	STORM DRAIN MANHOLE	MENDOT STD. NO.
	SCALE: NONE | DESIGN: RCW | DRAWN: LMM | OCT. 2000	D40A
		PAGE: A-66

NOTES:

1. WHEN MANHOLES ARE INSTALLED IN UNIMPROVED AREAS, THE TOP OF THE COVER SHALL BE A MINIMUM OF 1 FOOT ABOVE ADJACENT GRADE AND CONCRETE COLLAR SHALL BE PROVIDED. CONCRETE COLLAR SHALL BE CLASS 1 CONCRETE (6–SACK MIX). SEE DETAIL.
2. WHEN MANHOLES ARE INSTALLED IN PAVED AREAS, CONCRETE COLLAR SHALL BE PROVIDED. SEE DETAIL.
3. PROVIDE A MINIMUM OF ONE 3" AND ONE 6" GRADE ADJUSTMENT RING AT TOP OF MANHOLE. MAXIMUM HEIGHT OF GRADE ADJUSTMENT RINGS SHALL NOT EXCEED 20".
4. CONE SECTION SHALL BE ECCENTRIC, WITH STEPS ON THE VERTICAL SIDE. STEPS SHALL BE PER CALTRANS STD. PLAN D74C. WHERE DEPTH IS NOT SUFFICIENT TO PROVIDE CONE SECTION, REDUCER SLAB PER MENDOT STD. D42 SHALL BE USED.
5. ALL JOINTS SHALL BE SEALED WITH RAM–NEK JOINT COMPOUND, 1:3 MORTAR MIX, OR APPROVED EQUAL. WET BOTH TONGUE AND RING BEFORE APPLYING MORTAR AND SETTING RING. WIPE INSIDE EDGE OF JOINTS SMOOTH AND PROVIDE POINTED JOINT. PLASTER OUTSIDE OF JOINT WITH ½" LAYER OF MORTAR.
6. PRECAST MANHOLE MATERIAL SHALL BE MANUFACTURED TO ASTM SPECIFICATION C–478. ALL SECTIONS OF MANHOLE SHALL BE IDENTICAL MAKE AND MANUFACTURER. PRECAST MANHOLE SHALL BE SANTA ROSA PRECAST MODEL M48E OR APPROVED EQUAL.
7. DEPTH SHALL BE MEASURED FROM RIM TO FLOWLINE OF OUTLET PIPE. MANHOLES OVER 7 FEET IN DEPTH, OR WITH A PIPE GREATER THAN 36" INSIDE DIAMETER, SHALL BE 5 FEET INSIDE DIAMETER.
8. MENDOT STD. NO. D40 SHALL NOT BE USED FOR MANHOLES LESS THAN 3 FEET IN DEPTH, PIPES GREATER THAN 60" INSIDE DIAMETER, OR FOR MANHOLES WITH MORE THAN 3 PIPE CONNECTIONS.
9. BASE SHALL BE CAST IN PLACE TO FULL THICKNESS SHOWN. BASE SHALL BE CONSTRUCTED OF CLASS 1 CONCRETE (6–SACK MIX) AND SHALL BE PLACED AGAINST UNDISTURBED EARTH. JOINT BETWEEN BASE AND FIRST WALL SECTION SHALL BE FORMED BY SETTING WALL SECTION ON FRESH CONCRETE OR BY USING TONGUE & GROOVE IMPRESSION RING.
10. CONSTRUCT FLOW CHANNELS TO MATCH PIPE SHAPE USING STEEL TROWEL. ELEVATION CHANGES THROUGH MANHOLE SHALL BE A STRAIGHT GRADE WITH NO ABRUPT CHANGES. DIRECTIONAL CHANGES SHALL BE MADE WITH SMOOTH CURVES.

NOTE: NOTES REFER TO MENDOT STD. D40A.

MENDOCINO COUNTY	STORM DRAIN MANHOLE NOTES	MENDOT STD. NO.
	SCALE: NONE | DESIGN: RCW | DRAWN: LMM | OCT. 2000	D40B
		PAGE: A-67

No.	Revisions

Date: OCT 2023
Scale: AS SHOWN
Design: BD
Drawn: BTL
Approved: BD
Job No: 20212351

Drawing Number:

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Plot Oct 19, 2023 at 8:59am
212351_IMPR.dwg
PLOT DATE: 11-4
FILE: S:\Drawing\IMP\AutoCad\ROAD STANDARDS\dwg\MEN-D40B.DWG
PLOT DATE: 11-
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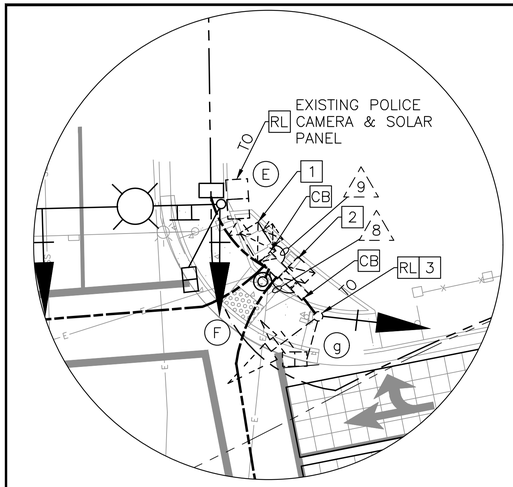
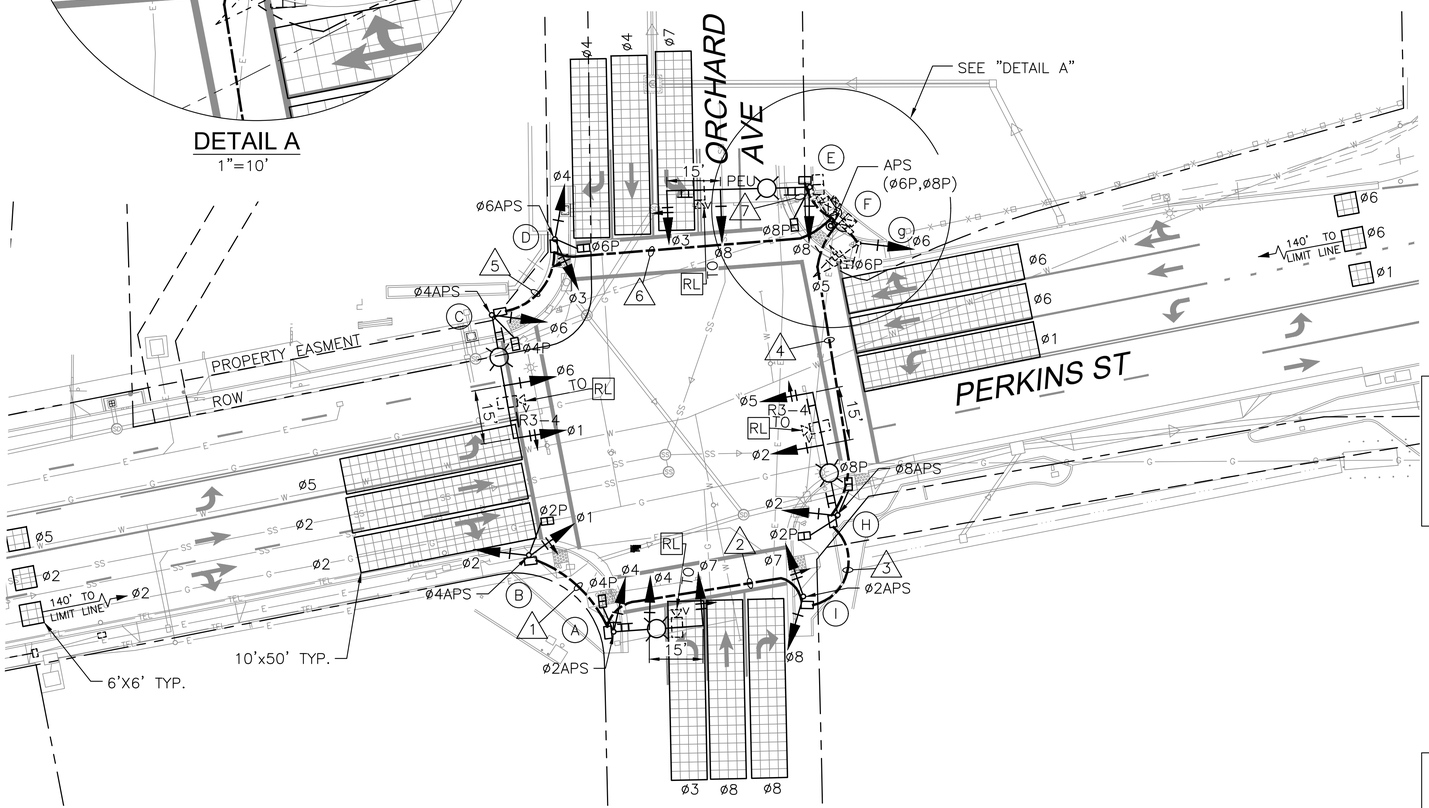


DETAIL A
1"=10'

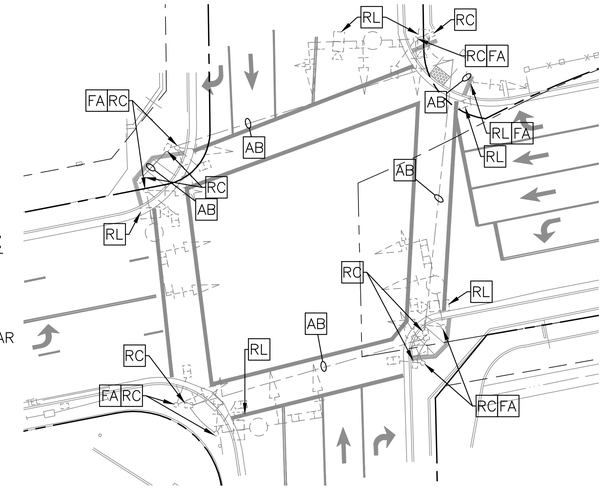


REMOVAL LIST:

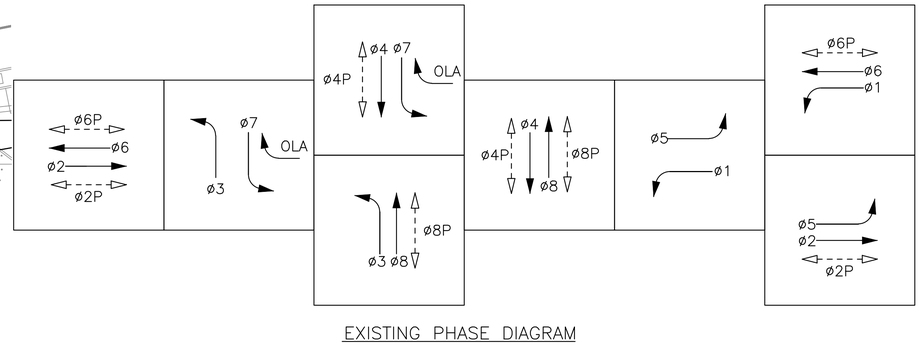
- 1 – 20' MAST ARM POLE
- 1 – 25' MAST ARM POLE
- 1 – 30' MAST ARM POLE
- 1 – 35' MAST ARM POLE
- 3 – TYPE 1B POLE
- 17 – VEHICLE HEAD
- 6 – PULL BOX
- 7 – PEDESTRIAN HEAD
- 8 – SIGN
- 7 – PPB

RELOCATION LIST:

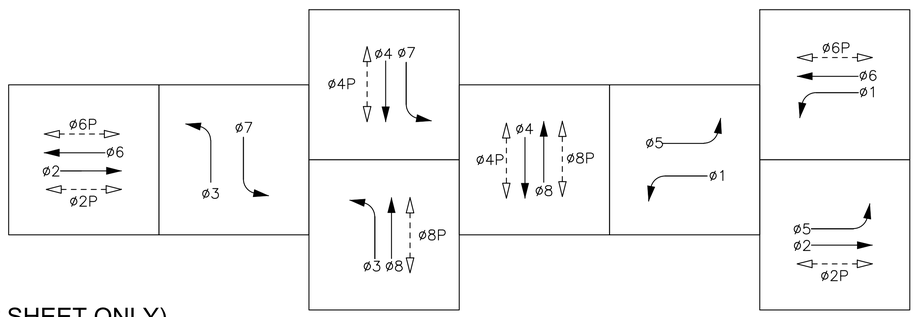
- 4 – VIDS CAMERA
- 1 – TYPE 1B POLE
- 1 – VEHICLE HEAD
- 1 – PEDESTRIAN HEAD
- 1 – POLICE CAMERA& SOLAR PANEL



DEMO PLAN
N.T.S.



EXISTING PHASE DIAGRAM



PROPOSED PHASE DIAGRAM

GENERAL NOTES (THIS SHEET ONLY)

1. ALL WIRING AND EQUIPMENT CONSTRUCTION SHALL CONFORM TO THE CITY OF UKIAH TRAFFIC STANDARDS LATEST EDITIONS AND THE 2023 CALIFORNIA STANDARD PLANS AND SPECIFICATIONS FOR DETAILS NOT COVERED IN THE CITY STANDARDS.
2. A RUN OF CONDUIT SHALL NOT CONTAIN MORE THAN THE EQUIVALENT OF FOUR 1/4 BENDS (360°) TOTAL INCLUDING OFFSETS AND BENDS LOCATED AT THE PULL BOXES AND SERVICE POINTS IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE 347–14.
3. ALL PULL BOXES SHALL BE CALTRANS NO. 5 PER STANDARD PLANS ES–8A UNLESS OTHERWISE NOTED.
4. VIDEO DETECTION SHALL CONSIST OF A GRIDSMART CAMERA DETECTION SYSTEM. CONTRACTOR SHALL COMPLY WITH VENDOR GUIDELINES FOR INSTALLATION OF ALL COMPONENTS. CONTRACTOR SHALL HAVE VENDOR–REPRESENTATIVE COMPLETE CAMERA SET–UP A MINIMUM OF 24 HOURS BEFORE TURN–ON.
5. ALL PUSH BUTTON LOCATIONS SHALL MEET THE MINIMUM ADA OBSTRUCTED HIGH SIDE REACH OF 10 INCHES MAXIMUM.
6. CALL UNDERGROUND SERVICE ALERT (USA) AT 811 OR 1–800–277–2600 AT LEAST TWO (2) WORKING DAYS PRIOR TO STARTING EXCAVATION TO HAVE UTILITIES MARKED.
5. APS SYSTEM TO BE POLARA NAVIGATOR iNZ–TWO WIRE SYSTEM TO INCLUDE:
   - PPB STATION FOR 5X7 SIGN
   - 5"X7" R10–3e SIGN
   - iCCU–C FOR 332 CABINET
   - CUSTOM AUDIBLE MESSAGE WITH STREET NAMES

CONSTRUCTION NOTES (THIS SHEET ONLY)

1. EXISTING MODEL 2070 CONTROLLER UNIT IN TYPE 332 CABINET TO REMAIN. FURNISH AND INSTALL APS CONTROLLER UNIT INSIDE EXISTING TRAFFIC CONTROLLER CABINET.
2. EXISTING SERVICE ENCLOSURE TO REMAIN.
3. REMOVE EXISTING PEDESTRIAN PUSH BUTTON. PLUG AND EPOXY OVER EXISTING PPB HOLE.

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

N

W-Trans
490 Mendocino Ave, Suite 201
Santa Rosa, CA 95401
(707) 542-9500

REGISTERED PROFESSIONAL ENGINEER
NICHOLAS C. MOSER
C094120
ALL LICENSES EXPIRE 11/30/2025
STATE OF CALIFORNIA

URBAN CORE REHABILITATION
PERKINS STREET, GOBBI STREET, AND MAIN STREET
CITY OF UKIAH, CALIFORNIA

EAST PERKINS ST/ORCHARD AVE TRAFFIC SIGNAL MODIFICATION

No.	Revisions

Date: 10/9/2023
Scale: 1"=20'
Design: ACM
Drawn: ACM
Approved: AP
Job No: UKI087

Drawing Number:
E1.0
27 OF 143

CONDUCTOR TABLE

AWG	CIRCUIT	RUNS 1	2	3	4	5	6	7	8	9
NO. 14	ø1	3	3	3	3	3	3			6
	ø2	3	3	3	3					3
	ø3						3	3		6
	ø4		3	3	3		3			6
	ø5				3				3(E)	3,3(E)
	ø6					3	3		3(E)	3,3(E)
	ø7		3	3	3					3
	ø8			3	3			3		6
	ø2P	2	2	2	2					2
	ø4P		2	2	2	2	2			4
	ø6P						2		2(E)	2,2(E)
	ø8P				2			2		4
	APS(ø2P)		1	1	1				1	2
	APS(ø4P)	1	1	1	1	1	1			2
	APS(ø6P)						1			2
	APS(ø8P)				1					2
	APS COMMON	1	2	2	3	1	2			1
	SPARES	3	3	3	3	3	3	3	3(E)	3
	PEC									
	TOTAL No. 14	13	23	26	33	13	23	11	14(E)	52
NO. 10	LIGHTING(240V)		2	2	2	2	2	2	2,2(E)	2,2(E)
	TOTAL No.10		2	2	2	2	2	2	2,2(E)	2,2(E)
NO. 6	SIGNAL POWER									2
	TOTAL No. 6									2
COAX	VIDS		1	1	2	1	1			4
CONDUIT SIZE (INCHES)		2	3	3	3	2	3	2	2(E)	3(E)
CONDUIT FILL (PERCENT)		8	7	8	10	10	7	10	12	18

ALL CONDUCTOR AND CONDUITS ARE NEW UNLESS OTHERWISE NOTED.
(E) = EXISTING

POLE AND EQUIPMENT SCHEDULE

No.	STANDARD TYPE	SMA	LMA	VEHICLE SIGNAL MAST ARM MTG	MAST ARM ø	POLE MTG	POLE ø	PED SIGNAL ø	PED SIGNAL MTG	APS ø	APS ARROW	LED LUMINAIRE	SPECIAL REQUIREMENTS
A	19–3–100 (N)	25	12	MAS MAT	ø4 ø7	SV–1–T	ø4	ø4P	SP–1–T	ø2	<––	100W	R10–12, EX VIDS CAMERA AND RISER, G7 "Perkins Ave", 101 SOUTH THRU ARROW SIGN ON POLE.
B	1–B (N)	–	–	–	–	TV–2–T	ø2 ø1	ø2P	SP–1–T	ø4P	–––>	–	
C	24–4–100 (N)	35	12	MAT MAS	ø1 ø6	SV–1–T	ø6	ø4P	SP–1–T	ø4P	<––	100W	EX VIDS CAMERA AND RISER, G7 "Orchard Ave", R3–4
D	1–B (N)	–	–	–	–	TV–2–T	ø3 ø4	ø6P	SP–1–T	ø6P	–––>	–	
E	26–4–100 (N)	40	12	MAT MAS	ø3 ø8	SV–1–T	ø8	ø8P	SP–1–T	–	–	100W	R10–10(N), R3–8b (N), G7 "PERKINS ST" (N), EX VIDS CAMERA AND RISER, PEU
F	APS POST (N)	–	–	–	–	–	–	–	–	ø6P ø8P	<–– –––>	–	PROVIDE HEIGHT FOR TWO APS
g	1–D–12' (E)	–	–	–	–	TV–2–T	ø6 ø5(E)	ø6P (E)	SP–1–T (E)	–	–	–	
H	26–4–100 (N)	45	12	MAS MAT	ø2 ø5	SV–1–T	ø2	ø2P ø8P	SP–2–T	ø8P	–––>	100W	EX VIDS CAMERA AND RISER, G7 "Orchard Ave", R3–4
I	1–B (N)	–	–	–	–	TV–2–T	ø7 ø8	–	–	ø2P	–––>	–	

ALL EQUIPMENT IS NEW, UNLESS OTHERWISE NOTED.
(E) = EXISTING, (N) = NEW

W-Trans
490 Mendocino Ave, Suite 201
Santa Rosa, CA 95401
(707) 542-9500

REGISTERED PROFESSIONAL ENGINEER CHRISTOPHER C. MOSER C094120 ALL LICENSES EXPIRE 11/30/2023 STATE OF CALIFORNIA

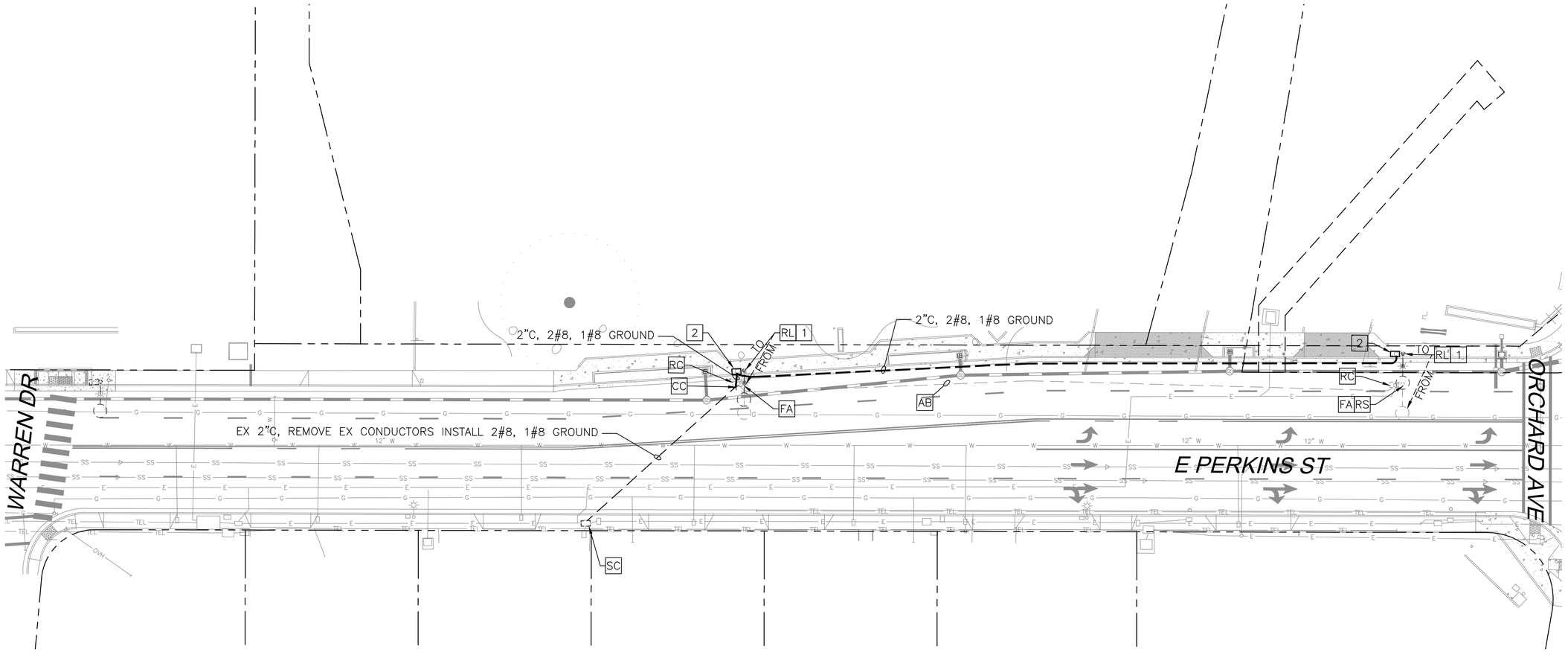
URBAN CORE REHABILITATION
PERKINS STREET, GOBBI STREET, AND MAIN STREET
CITY OF UKIAH, CALIFORNIA

EAST PERKINS ST/ORCHARD AVE
TRAFFIC SIGNAL SCHEDULES

No.	Revisions

Date: 10/9/2023
Scale: 1"=20'
Design: ACM
Drawn: ACM
Approved: AP
Job No: UKI087

Drawing Number:
E1.1



PROJECT NOTES (THIS SHEET ONLY)

1. REMOVE AND RELOCATE EXISTING 108W LIGHT FIXTURE, TYPE 15 POLE, BANNER AND BANNER BRACKET. RC EXISTING "ROAD FLOODS WHEN RAINING" SIGN. FURNISH AND INSTALL NEW FOUNDATION AND EXISTING POLE ASSEMBLY PER STANDARD PLAN ES-6A, ES-7M, ES-7N, ES-7O.

2. FURNISH AND INSTALL NO. 5 PULL BOX. LABEL LID "UKIAH STREET LIGHTING."

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

N

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REGISTERED PROFESSIONAL ENGINEER
ALLISON C. MOSER
C094120
CIVIL
STATE OF CALIFORNIA

URBAN CORE REHABILITATION
PERKINS STREET, GOBBI STREET, AND MAIN STREET
CITY OF UKIAH, CALIFORNIA

EAST PERKINS STREET
STREET LIGHTING PLAN

No.	Revisions

Date: 10/9/2023
Scale: 1"=20'
Design: ACM
Drawn: ACM
Approved: AP
Job No: UKI087

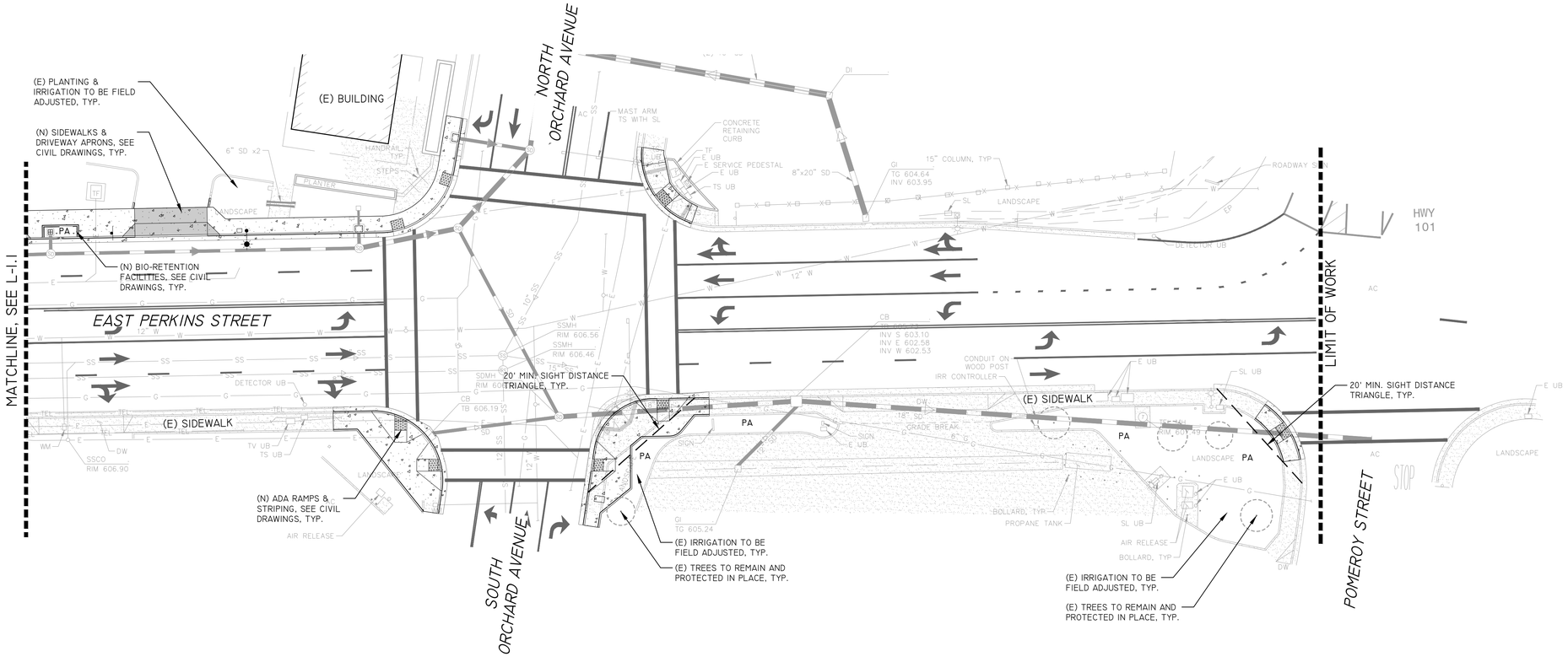
Drawing Number:
E1.2

CONSTRUCTION LEGEND

(E) EXISTING
PA NEW PLANTING AREA
TYP. TYPICAL

NOTES

1. REFER TO CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.



GRAPHIC SCALE
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(IN FEET)
1 INCH = 20 FT

LICENSED LANDSCAPE ARCHITECT
Ric J. Hendricks
P.L.A. 5094
Signature
11/30/24
Renewal Date
10/06/2023
Date
STATE OF CALIFORNIA

INTEGRA
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URBAN CORE REHABILITATION
PERKINS STREET, GOBBI STREET, AND MAIN STREET
CITY OF UKIAH, CALIFORNIA

SITE PLAN

No.	Revisions

Date: OCT. 6, 2023
Scale: AS SHOWN
Design: OMM
Drawn: DCF
Approved: RJH
Job No: 22-003.01

Drawing Number:
L1.0

Oct 04, 2023 - 3:03pm
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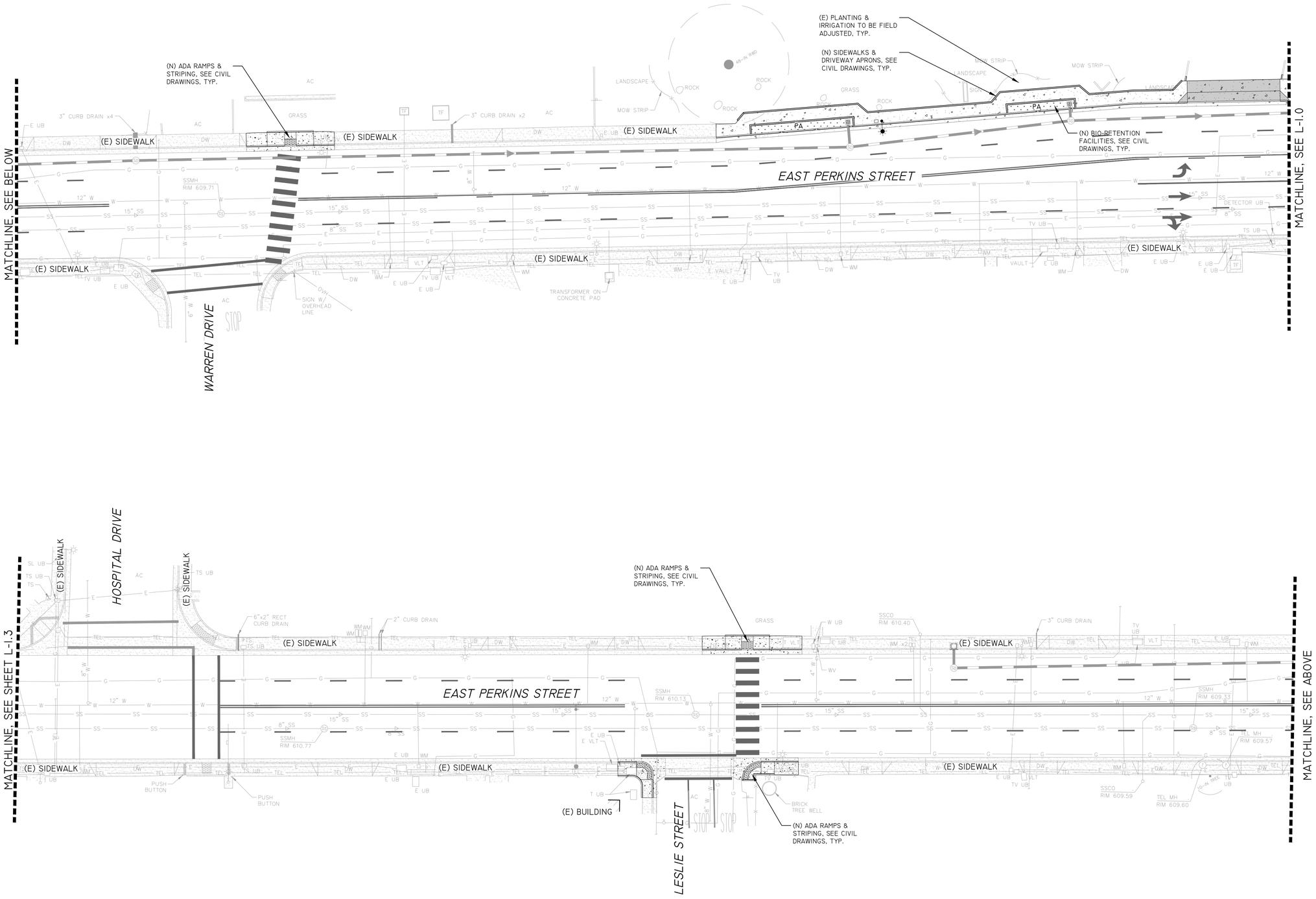
NOTES

1. REFER TO CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.



LICENSED LANDSCAPE ARCHITECT
Richard J. Hendrickson
P.L.A. 5094
Signature
11 / 30 / 24
Renewal Date
10 / 06 / 2023
Date
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URBAN CORE REHABILITATION
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CITY OF UKIAH, CALIFORNIA

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No.	Revisions

Date: OCT. 6, 2023
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Approved: RJH
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Drawing Number:
L1.1
31 OF 143

GRAPHIC SCALE
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(IN FEET)
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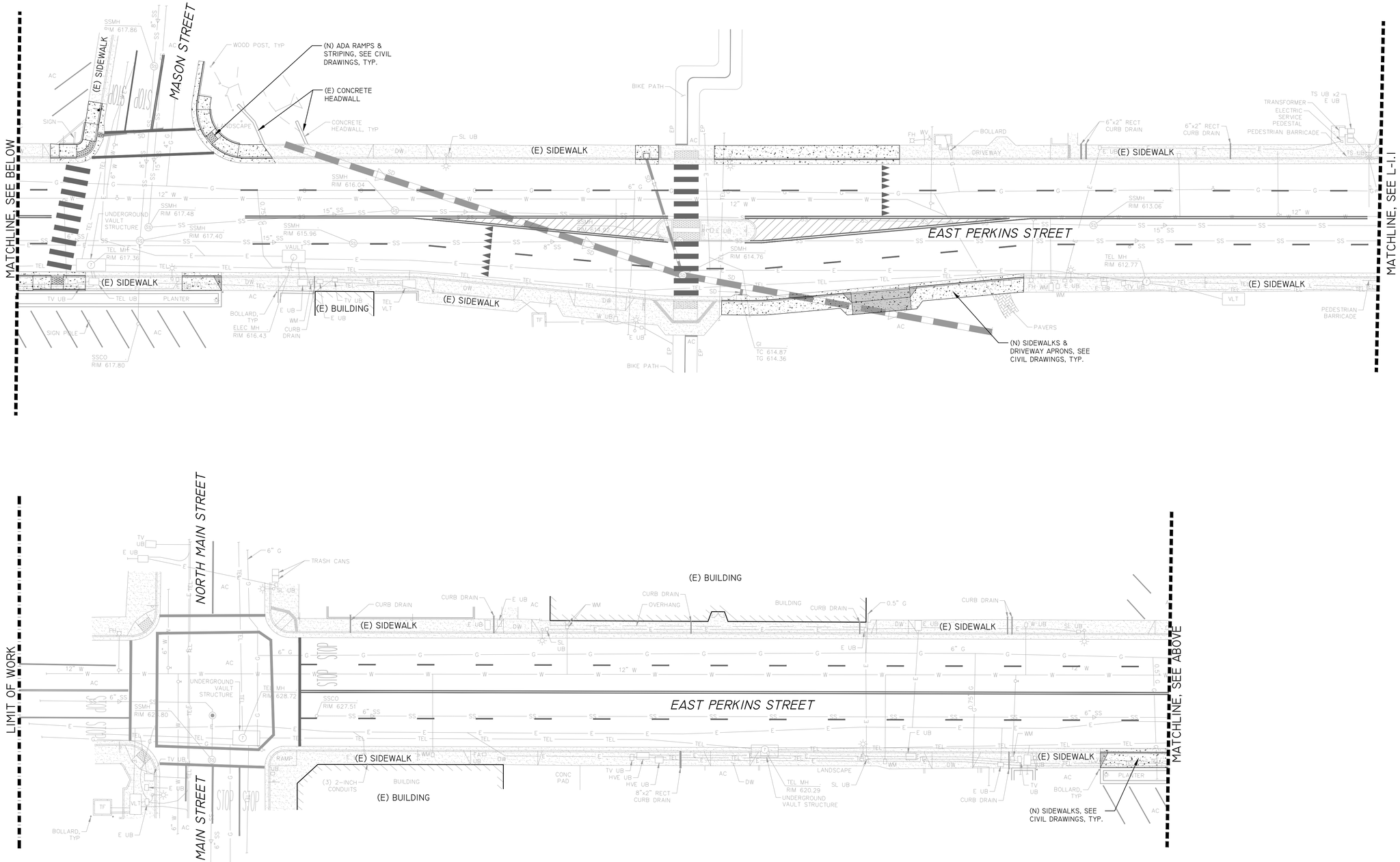
1. REFER TO CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.



LICENSED LANDSCAPE ARCHITECT
Richard J. Hendricks
P.L.A. 5094
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URBAN CORE REHABILITATION
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CITY OF UKIAH, CALIFORNIA

SITE PLAN

No.	Revisions

Date: OCT. 6, 2023
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Approved: RJH
Job No: 22-003.01

Drawing Number:
L1.2
32 OF 143

GRAPHIC SCALE
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(IN FEET)
1 INCH = 20 FT

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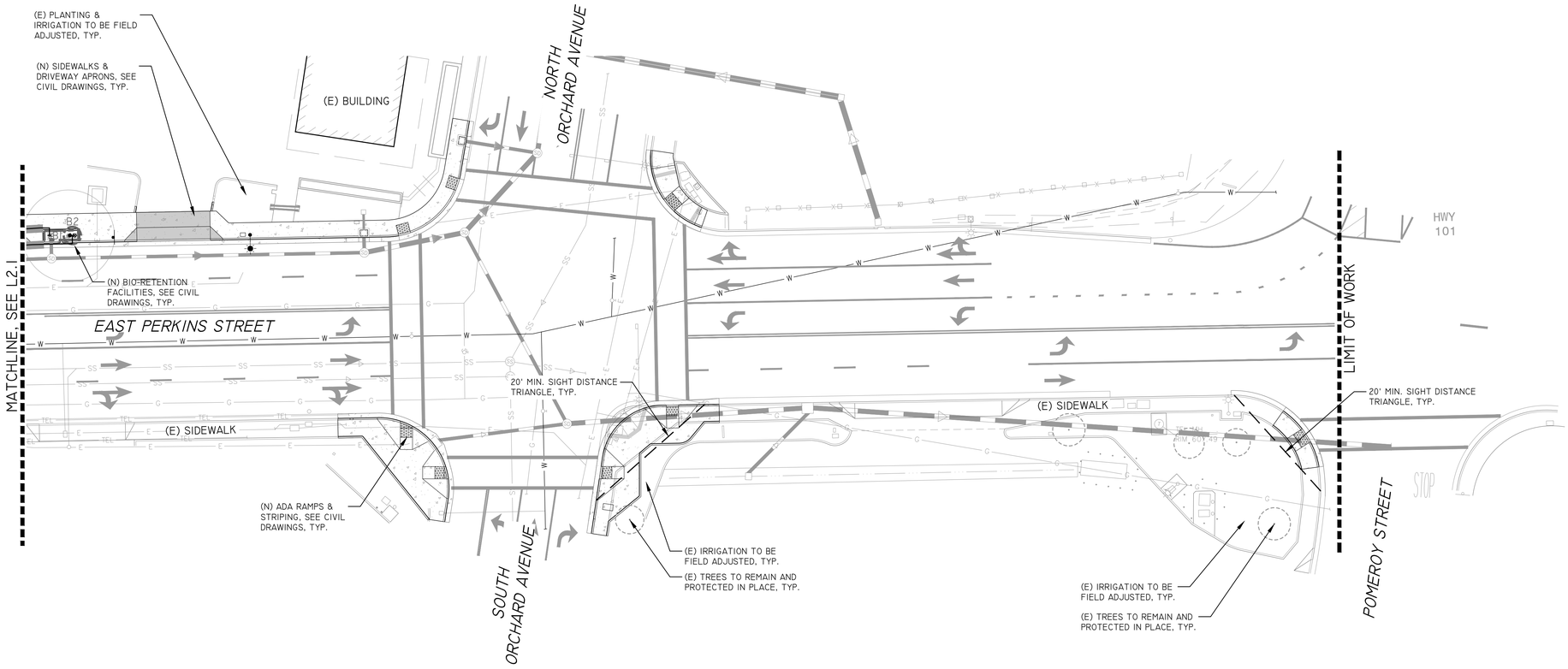

MWELO STATEMENT

"I HAVE COMPLIED WITH THE CRITERIA OF THE ORDINANCE AND APPLIED THEM FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION PLAN"

10/06/2023

RIC J. HENDRICKS — DATE
REGISTERED LANDSCAPE ARCHITECT #5094

IRRIGATION NOTES

1. LANDSCAPE CONTRACTOR (C-27 LICENSE) SHALL BID AND INSTALL IRRIGATION PER THESE PLANS AND SPECIFICATIONS, UNLESS GIVEN FURTHER WRITTEN INSTRUCTIONS, OR REVISED PLANS PER OWNER OR LANDSCAPE ARCHITECT. WORK INCLUDES, BUT IS NOT LIMITED TO ALL LABOR, COVERED LIABILITY INSURANCE, WORKMAN'S COMPENSATIONS, EQUIPMENT AND MATERIALS NECESSARY TO FURNISH, INSTALL AND TEST IRRIGATION SYSTEM, AS SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN.
2. COORDINATE A MINIMUM OF (2) FIELD OBSERVATIONS WITH LANDSCAPE ARCHITECT AND CALL TO PROVIDE 48 HOUR NOTICE:
   A. VERIFY FLAGGED HEAD AND CHALKED MAINLINE LAYOUT PRIOR TO TRENCHING OPERATIONS. ADJUST LAYOUT AS DIRECTED BY LANDSCAPE ARCHITECT.
   B. OBSERVE COMPLETE PLUMBING SYSTEM AND PRESSURE TEST ALL MAINLINE & LATERALS PRIOR TO ANY BACKFILLING OPERATIONS.
3. CONTRACTOR SHALL PROVIDE SUBMITTALS/CUT SHEETS TO LANDSCAPE ARCHITECT OF ALL IRRIGATION MATERIALS INCLUDING, BUT NOT LIMITED TO CONTROLLER, CONTROL WIRE, MAIN LINE PVC, VALVES, PRESSURE REDUCER, ETC. CONTRACTOR SHALL FURNISH TO OWNER KEYS TO CONTROLLER, QUICK COUPLER AND ANY SPECIAL TOOLS REQUIRED FOR MAINTENANCE OF ALL IRRIGATION COMPONENTS.
4. MANUFACTURERS DIRECTIONS AND DETAILED DRAWINGS SHALL BE FOLLOWED IN ALL CASES WHERE THE MANUFACTURERS OF COMPONENTS, USED IN THIS CONTRACT, COVER POINTS NOT SHOWN ON DRAWINGS AND SPECIFICATIONS.
   A. CONTRACTOR SHALL KEEP DETAILED REDLINE PLAN RECORDING INSTALLATION OF IRRIGATION SYSTEM AS IT PROGRESSES. RECORD PLAN SHALL BE DRAFTED ONTO DRAWINGS PROVIDED BY LANDSCAPE ARCHITECT, INTO AS-BUILT DRAWINGS SHOWING LOCATIONS OF POINT OF CONNECTION, LATERALS, MAIN LINES, QUICK COUPLERS, VALVES, HEADS, WIRING, ETC., FOR APPROVAL BY LANDSCAPE ARCHITECT. FOLLOWING APPROVAL, AS-BUILTS SHALL BE REDUCED TO 11X17 SIZE, COLOR CODED BY STATION, AND LAMINATED IN 6 MIL. PLASTIC. 3 REQUIRED FOR EACH CONTROLLER.
   B. THREE LAMINATED DETAILED IRRIGATION SCHEDULES SHOWING STATION PROGRAMMING AND RUN TIMES SHALL BE PROVIDED FOR EACH CONTROLLER AND APPROVED BY LANDSCAPE ARCHITECT; ONE WARM SEASON, ONE COOL SEASON AND ONE FOR ESTABLISHMENT PERIOD. EACH SCHEDULE SHALL BE ACCOMPANIED BY REDUCED "AS-BUILT" PLAN PERMANENTLY MOUNTED IN OR NEAR CONTROLLER. THESE SHALL BE SUBMITTED PRIOR TO ACCEPTANCE TO WORK AND AS A CONDITION OF COMMENCEMENT OF MAINTENANCE PERIOD.
5. ALL IRRIGATION EQUIPMENT TO BE INSTALLED PER COUNTY OF MENDOCINO AND STATE OF CALIFORNIA STANDARDS. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ANY AND ALL PERMITS AND INSPECTIONS AS REQUIRED. THE MATERIAL AND WORK SHALL CONFORM TO ALL APPLICABLE PROVISIONS OF THE LATEST ADDITIONS OF THE UNIFORM PLUMBING CODE AND THE NATIONAL ELECTRIC CODE. CONTRACTOR SHALL FAMILIARIZE HIMSELF/HERSELF WITH ALL STATE AND LOCAL LAWS, CODES, ORDINANCES, RESTRICTIONS BEFORE BEGINNING INSTALLATION.
6. CONTRACTOR SHALL VERIFY GALLONS PER MINUTE (G.P.M.) AT POINT OF CONNECTION DOWNSTREAM OF BACKFLOW DEVICE TO BE A MINIMUM OF 60 G.P.M. AND 30 P.S.I. CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES PRIOR TO COMMENCING WORK. FAILURE TO DO SO WILL MAKE THE CONTRACTOR LIABLE FOR ALL NECESSARY CHANGES.
7. TEST ALL PRESSURE LINES PRIOR TO BACK FILLING, UNDER STATIC PRESSURE OF 150 PSI FOR A PERIOD OF 2 HOURS. IF LEAKS DEVELOP, REPAIR SYSTEM AND REPEAT TEST UNTIL PRESSURE IS HELD.
8. ALL 120V. ELECTRIC POWER SUPPLY FOR IRRIGATION CONTROLLER SHALL BE PROVIDED AND CONNECTED TO CONTROLLER BY A LICENSED ELECTRICIAN. LANDSCAPE CONTRACTOR SHALL MAKE HARDWIRE CONNECTION FOR ALL CONTROL WIRES. CONTRACTOR SHALL INSTALL CONTROL WIRES THAT:
   A. CONNECTIONS BETWEEN THE CONTROLLER AND THE REMOTE CONTROL VALVES SHALL BE MADE CONTINUOUS (NO SPLICES) WITH DIRECT BURIAL COPPER WIRE 14 GA. AWG U.F. 600 VOLT. TAPE WIRES TO THE MAINLINE AT 10 FOOT INTERVALS, EXCEPT WHERE INDEPENDENTLY SLEEVED UNDER PAVING.
   B. PROVIDE THREE CONTINUOUS LOOP WIRES FROM THE CONTROLLER TO EACH VALVE WITH 9' LOOP, LABEL IN VALVE BOX. PROVIDE SEPARATE COLOR WIRES FOR CONTROL, COMMON AND EXTRA LOOP WIRES. CONTROL SHALL BE RED, COMMON SHALL BE WHITE AND EXTRAS SHALL BE BLACK/YELLOW.
   C. AN EXPANSION CURL SHALL BE PROVIDED WITHIN (3) FEET OF EACH WIRE CONNECTION IN VALVE BOX. EXPANSION CURLS SHALL BE 18 INCHES IN LENGTH AT EACH SPLICE CONNECTION AND AT EACH CONTROL VALVE, SO THAT IN CASE OF REPAIR THE VALVE BONNET CAN BE BROUGHT TO THE SURFACE WITHOUT DISCONNECTION OF THE CONTROL WIRES.
   D. ALL SPLICES SHALL BE MADE WATERPROOF WITH RAINBIRD SNAP-TIE WIRE CONNECTIONS OR APPROVED EQUAL.
9. THESE DRAWINGS INCLUDE A DIAGRAMMATIC DISPLAY THAT SHOWS:
   A. BEFORE PROCEEDING WITH ANY WORK, CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND QUANTITIES; CONTACT AND INFORM THE LANDSCAPE ARCHITECT OF ANY DISCREPANCIES BETWEEN DRAWINGS AND ACTUAL CONDITION IMMEDIATELY.
   B. LAYOUT OF PIPING, VALVES, AND HEADS IS DIAGRAMMATIC. THERE MAY BE FIELD ADJUSTED FOR EASE OF INSTALLATION, COMMON TRENCHING, AND OPTIMUM COVERAGE. OBTAIN WRITTEN APPROVAL FOR CHANGES PRIOR TO CONSTRUCTION.
   C. DRIP SYMBOL IS SCHEMATIC, VERIFY PLANT QUALITIES FOR EXACT NUMBER OF EMITTERS AND LENGTH OF PIPE. ALL OFFSET, FITTINGS, SLEEVES, ETC. ARE NOT INDICATED DUE TO SCALE OF DRAWINGS, AND ARE TO BE FURNISHED AS REQUIRED.
   D. CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR WORK INSTALLED IN AREA WHERE WORK HAS BEEN MODIFIED WITHOUT WRITTEN APPROVAL.
   E. PIPE SIZES ON PLANS ARE MINIMUM ALLOWABLE.
10. FINAL LOCATION OF BACKFLOW PREVENTION DEVICE SHALL BE APPROVED BY LANDSCAPE ARCHITECT.
11. THE DRIP PORTION OF THE SYSTEM SHALL BE AUTOMATICALLY OPERATED AND CAPABLE OF OPERATING THE SYSTEM FROM 1/2 HOUR TO SEVERAL HOURS PER DAY AND PER SETTING, AND HAVE AN AUTOMATIC RAIN SHUTOFF UNIT. THE SYSTEM SHALL MEET THE FOLLOWING BASIC PARAMETERS:
   A. FROM THE VALVE ASSEMBLY, A 3/4 INCH SCH 40 PVC PIPE SHALL BE BROUGHT TO A 3/4 INCH PVC TEE. ALL STATIONS SHOULD BE CENTER-LOADED WHEREVER POSSIBLE, AND AT NO TIME SHALL THE WATER FLOW IN ANY PIPE EXCEED A SPEED OF 5 FEET PER SECOND.
   B. A 5/8" A/R PVC HOSE SHALL EXTEND FROM EACH SIDE OF THE PVC TEE. THE FLOW IN EACH OF THESE 5/8" LINES SHALL NOT EXCEED 180 GALLONS PER HOUR. A TORO NGE PC EMITTER (OR APPROVED EQUAL) SHALL BE INSTALLED INTO THIS HOSE PER THESE QUANTITIES. TWO 1/2 GALLON PER HOUR SINGLE OUTLET EMITTERS SHALL BE PLACED AT THE BASE OF EACH 1 GALLON CONTAINER, TWO 1 GALLON PER HOUR EMITTERS SHALL BE PLACED AT THE BASE OF EACH 5 GALLON CONTAINER. CAP ALL LINE ENDS WITH A BALL VALVE SO THEY MAY BE FLUSHED. USE A KB INLINE CHECK VALVE WHERE REQUIRED FOR LOW-HEAD DRAINAGE WHERE ELEVATION DIFFERENTIAL BETWEEN HEADS MAY CAUSE RUN OFF.
   C. THE SYSTEM SHALL BE DESIGNED ACCORDING TO TORO RECOMMENDATIONS AND FOR A WORKING PRESSURE OF 25 PSI.
12. AVOID CUTTING EXISTING ROOTS GREATER THAN 1" DIAMETER. TUNNEL UNDER ROOT WITHOUT DAMAGING CAMBIUM LAYER OF BARK. ALL TRENCHING WITHIN THE DRIPLINE OF EXISTING TREES SHALL BE DONE BY HAND. VERIFY PIPE ROUTE WITH LANDSCAPE ARCHITECT PRIOR TO TRENCHING.
13. USE SCH 40 PVC AT DRIVEWAY/ROAD CROSSING WITH 24" OF COVER. ALL SLEEVES TO BE TWICE DIAMETER OF REQUIRED PIPE AND EXTEND 12" BEYOND PAVING EDGE. SLEEVE EACH PIPE SEPARATELY AND PROVIDE SEPARATE SLEEVE FOR CONTROL WIRES.
14. THE TRENCHES SHALL NOT BE BACKFILLED UNTIL ALL REQUIRED TESTS ARE PERFORMED. BACKFILL SHALL BE WATER SETTLED OR MECHANICALLY COMPACTED IN LANDSCAPED AREAS TO A DRY DENSITY EQUAL TO ADJACENT UNDISTURBED AREAS. CONTRACTOR WILL INSTALL 3" WIDE DETECTABLE TAPE (#3 DTP, AS MANUFACTURED BY T. CHRISTY). TAPE SHALL BE INSTALLED 6" ABOVE THE IRRIGATION MAINLINE AND BE LABELED "CAUTION WATER LINE BURIED BELOW". INSTALL ABOVE ALL WATER MAIN LINES. BACKFILLING SHALL CONFORM TO ADJACENT GRADES WITHOUT DIPS, SUNKEN AREAS, HUMPS OR OTHER SURFACES IRREGULARITIES. IF SETTLEMENT OCCURS AND SUBSEQUENT ADJUSTMENTS ARE NECESSARY, THE CONTRACTOR SHALL MAKE ALL REQUIRED ADJUSTMENTS WITHOUT COST TO THE OWNER.
15. RISER UNITS SHALL BE ORIENTED PERPENDICULAR TO THE FINISH GRADE WITH NIPPLES OF THE SAME SIZE AS THE RISER OPENING IN THE IRRIGATION HEAD.
16. THE CONTRACTOR SHALL GUARANTEE THE IRRIGATION SYSTEM FOR A PERIOD OF 12 MONTHS. THE SYSTEM SHALL BE FREE FROM DEFECTS IN MATERIALS AND WORKMANSHIP AND THE CONTRACTOR SHALL REPAIR OR REPLACE ANY DEFECTS AND REPAIR ANY DAMAGE CAUSED BY DEFECTS FOR THE ABOVE MENTIONED TIME PERIOD AT NO COST TO THE OWNER. SUCH REPAIRS OR REPLACEMENTS SHALL BE COMPLETED WITHIN A 48 HOUR PERIOD AND IMMEDIATELY IF IT IS A SAFETY ISSUE.
17. CLEANUP SHALL BE MADE AS EACH PORTION OF WORK PROGRESSES. ALL PAVING AND WALKS SHALL BE BROOMED OR WASHED DOWN AND ANY DAMAGE SUSTAINED TO THE WORK OF OTHERS SHALL BE REPAIRED TO ORIGINAL CONDITIONS ACCEPTABLE TO THE OWNER.

HYDROZONE TABLE: (CONTROLLER A)

VALVE #	IRRIG. METHOD	WATER USE	AREA (SF)	% OF TOTAL
VALVE #1	DRIP	LOW	177	70.2%
VALVE #2	BUBBLER	LOW	75	29.8%
		TOTAL	252	100.0%

SUMMARY HYDROZONE TABLE: (CONTROLLER A)

PLANT TYPE	AREA (SF)	% OF LANDSCAPE
LOW WATER USE	252	100%
MEDIUM WATER USE	0	0%
HIGH WATER USE	0	0%
TOTAL	252	100.0%

IRRIGATION LEGEND

SYMBOL	DESC.
	POINT OF CONNECTION
M	WATER METER: (PER CITY/COUNTY STANDARDS)
B	BACKFLOW DEVICE (PER CITY/COUNTY STANDARDS)
PR	PRESSURE REGULATOR: WATTS #LF-U5B Z3 2, SYSTEM SET TO 55
MV	MASTER VALVE: SUPERIOR 3100 1-1/2" NORMALLY OPEN.
F	FLOW SENSOR: IRRITROL FS-B100.
E	ELECTRICAL CONNECTION
C	CONTROLLER: IRRITROL MCE-12E
WS	WEATHER SENSOR: IRRITROL CL-100-WIRELESS CLIMATE LOGIC SENSOR.
	GATE VALVE: NIBCO T-113IRR BRASS (LINE SIZE)
	BALL VALVE: WATTS FBV BRASS (LINE SIZE)
	REMOTE CONTROL VALVE: TORO 700 SERIES. (SIZE AS SHOWN)
	DRIP REMOTE CONTROL VALVE: TORO 700 SERIES W/DZK-700 DRIP KIT. (SIZE AS SHOWN)
	QUICK COUPLER: RAINBIRD 1" 44-NP W/LOCKING COVER.
1"	MAINLINE: SCH. 40 PVC; ALL MAINLINES & FITTINGS TO BE 1" UNLESS OTHERWISE NOTED ON PLANS.
3/4"	LATERAL LINE: SCH. 40 PVC; ALL LATERALS & FITTINGS TO BE 3/4" UNLESS OTHERWISE NOTED ON PLANS.
	FLEXIBLE DRIP LINE:SCH. 40 PVC LATERAL & RISERS W/ 5/8" POLY DRIP TUBING & END CAPS (TUBING NOT SHOWN FOR CLARITY)
	STREAM BUBBLER: TORO #570Z-6P PRX COM W/SB-I80-PC2, SCH 40 PVC LATERALS AND RISERS.
	FLOOD BUBBLER: RAINBIRD 1404 WITH RWS-BC-1404; ADD SAND SOCK.
1.5	SLEEVES: SCH. 40 PVC; TWICE THE SIZE AS PIPING.
	HYDROZONE BOUNDARY

II — VALVE NUMBER
1.0 — GALLONS PER MINUTE (G.P.M.)
1" — VALVE SIZE

NOTES

1. REFER TO SHEET L2.3 & L2.4 FOR IRRIGATION DETAILS & MWELO CALCULATIONS.
2. REFER TO SHEET L2.4 FOR IRRIGATION DETAILS

GRAPHIC SCALE
0 20 40
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LICENSED LANDSCAPE ARCHITECT — Ric J. Hendricks — P.L.A. 5094 — Signature — 11/30/24 Renewal Date — 10/06/2023 Date — STATE OF CALIFORNIA

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URBAN CORE REHABILITATION
PERKINS STREET, GOBBI STREET, AND MAIN STREET
CITY OF UKIAH, CALIFORNIA

IRRIGATION PLAN

Revisions | No.

Date: OCT. 6, 2023
Scale: AS SHOWN
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Drawn: DDF
Approved: RJH
Job No: 22-003.01

Drawing Number:
L2.0
33 OF 143

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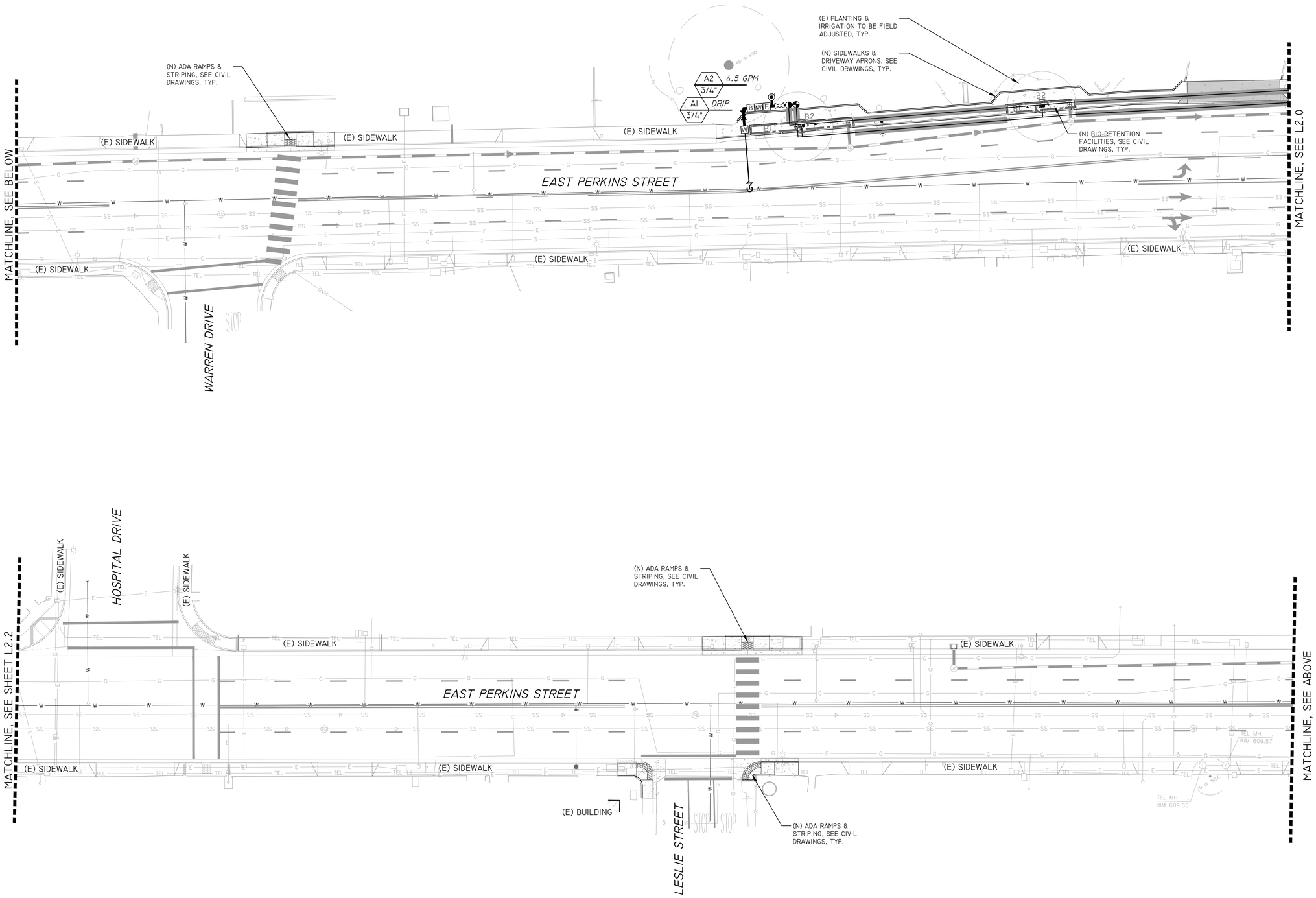
MWELO STATEMENT

"I HAVE COMPLIED WITH THE CRITERIA OF THE ORDINANCE AND APPLIED THEM FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION PLAN"

10/06/2023

RIC J. HENDRICKS
REGISTERED LANDSCAPE ARCHITECT #5094

DATE



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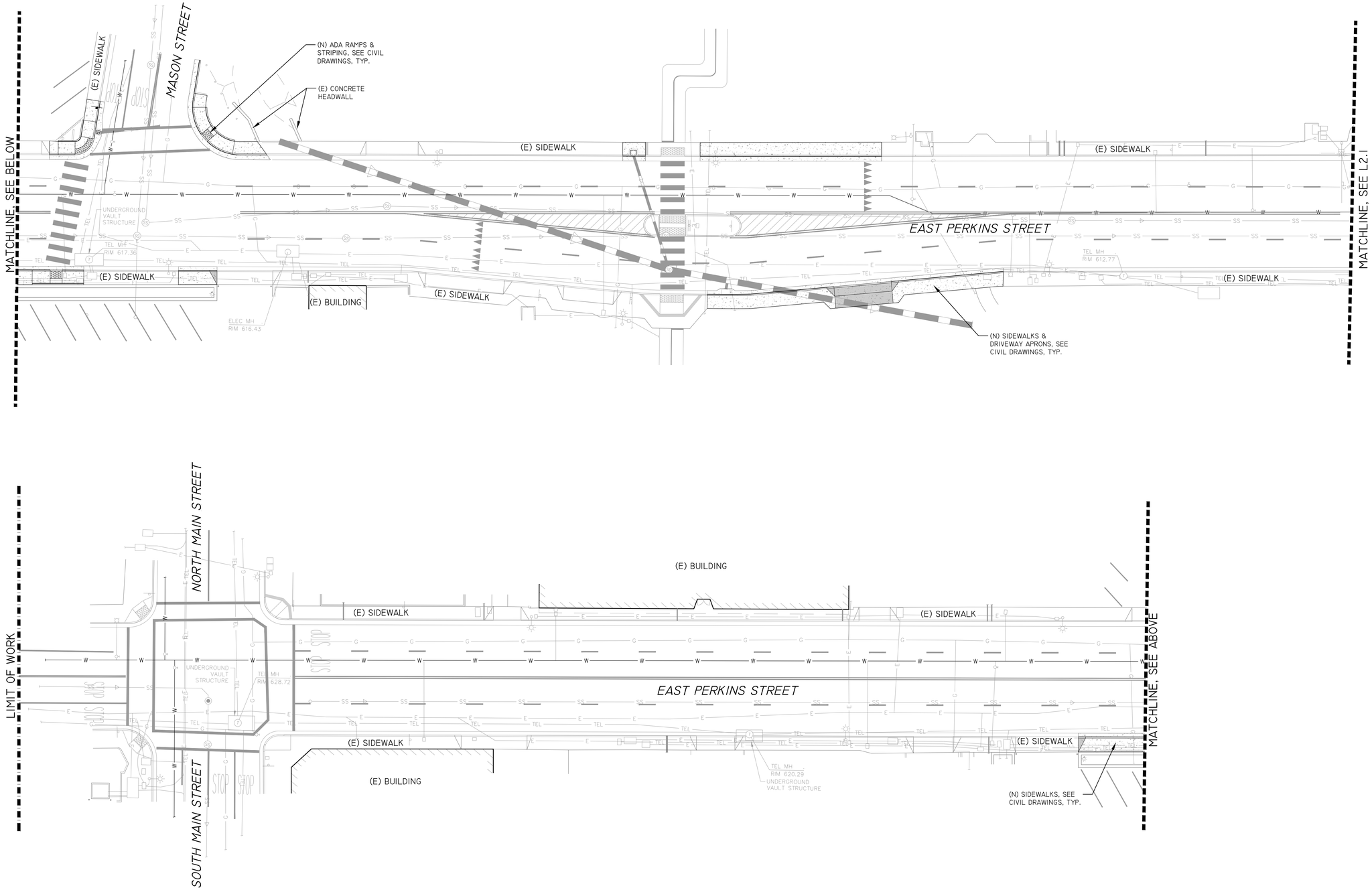

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INTEGRA PLANNING + LANDSCAPE ARCHITECTURE

URBAN CORE REHABILITATION
PERKINS STREET, GOBBI STREET, AND MAIN STREET
CITY OF UKIAH, CALIFORNIA

IRRIGATION PLAN

No.	Revisions

Date: OCT. 6, 2023
Scale: AS SHOWN
Design: OMM
Drawn: DDF
Approved: RJH
Job No: 22-003.01

Drawing Number:
L2.2
35 OF 143

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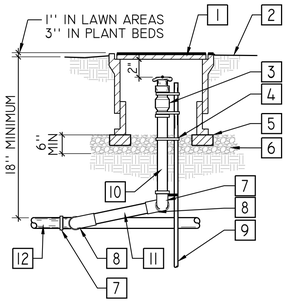
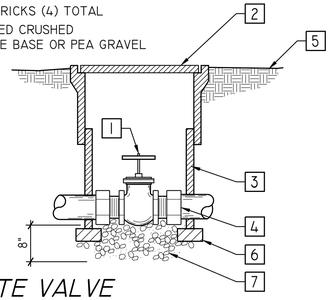


1. ROUND PLASTIC VALVE BOX AND COVER- PROVIDE 6'' CLEARANCE AROUND COUPLER
2. FINISH GRADE
3. QUICK COUPLING VALVE
4. STAINLESS STEEL SCREW CLAMP MIN. THREE PLACES
5. SUPPORT BRICKS (3) TOTAL
6. 3/4'' WASHED CRUSHED AGGREGATE BASE OR GRAVEL
7. BRASS 90` ELL
8. BRASS 90` STREET ELL
9. 1/2'' x 36'' GALVANIZED STEEL STAKE
10. BRASS NIPPLE
11. 6" LONG BRASS NIPPLE
12. PRESSURE SUPPLY LINE FITTING

8 QUICK COUPLING VALVE ASSEMBLY

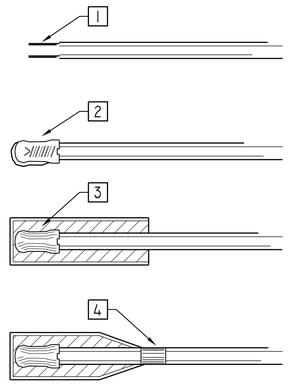
SCALE: N.T.S.

1. GATE VALVE MANUFACTURER AND MODEL AS INDICATED IN LEGEND, OR APPROVED EQUAL
2. ROUND VALVE BOX
3. EXTENSION LENGHT AS REQUIRED
4. PVC MALE ADAPTER, TYP.
5. FINISHED GRADE
6. SUPPORT BRICKS (4) TOTAL
7. 3/4" WASHED CRUSHED AGGREGATE BASE OR PEA GRAVEL



6 GATE VALVE

SCALE: N.T.S.



1. STRIP WIRES APPROXIMATELY 5/8'' FROM END
2. TWIST CONNECTOR UNTIL WIRE ENDS REACH BOTTOM
3. AFTER MIXING CONTENTS OF PACK AS PER INSTRUCTIONS, CUT 1/2'' OFF END OF PACK AND INSERT CONNECTOR TO OPPOSITE END
4. WRAP OPEN END OF PACK WITH TAPE AND LEAVE IN RAISED POSITION UNTIL RESIN JELLS. (APPROX. 8 MIN. AT 72`F.)

3 TYPICAL WIRE CONNECTIONS

SCALE: N.T.S

CONTROLLER A

Estimated Total Water Use

Equation: ETWU = ET_o x 0.62 x [([PF x HA)/IE) + SLA]; Considering precipitation ETWA = (ETo-Eppt) x 0.62 x [([PF x HA)/IE) +SLA]

Enter values in Pale Blue Cells

Tan Cells Show Results

Messages and Warnings

Irrigation Efficiency Default Value for overhead 0.75 and drip 0.81.

Plant Water Use Type	Plant Factor
Very Low	0 - 0.1
Low	0.2 - 0.3
Medium	0.4 - 0.6
High	0.7 - 1.0
SLA	1.0

Hydrozone	Select System From the Dropdown List click on cell below	Plant Water Use Type (s) (low, medium, high)	Plant Factor (PF)	Hydrozone Area (HA) (ft^2) Without SLA	Irrigation Efficiency (IE)	(PF x HA (ft^2))/IE
Zone 1	Drip	Low	0.30	177	0.81	66
Zone 2	Drip	Low	0.30	75	0.81	28
Zone 3						
Zone 4						
Zone 5						
Zone 6						
Zone 7						
Zone 8						
Zone 9						
Zone 10						
Zone 11						
Zone 12						
Zone 13						
Zone 14						
Zone 15						
Zone 16						
Zone 17						
Zone 18						
Zone 19						
Zone 20						
Zone 21						
Zone 22						
Zone 23						
Zone 24						
Zone 25						
Zone 26						
Zone 27						
Zone 28						
Zone 29						
Zone 30						
Zone 31						
Zone 32						
Zone 33						
Zone 34						
Zone 35						
						93
		SLA		0		0
		Sum		252		

Results

MAWA = 2,155 ETWU = 1,773 Gallons

237 Cubic Feet

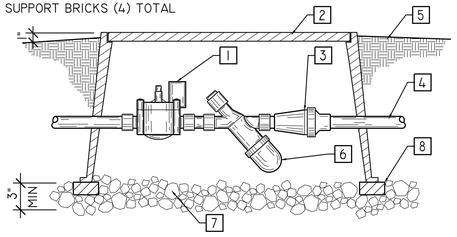
2.57 HCF

0.01 Acre-feet

0.00 Millions of Gallons

ETWU complies with MAWA

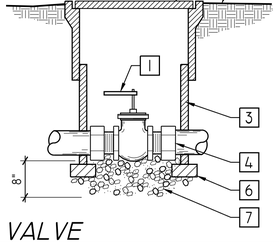
1. ELECTRIC VALVE MANUFACTURER & MODEL AS INDICATED IN LEGEND, OR APPROVED EQUAL
2. VALVE BOX MANUFACTURER & MODEL AS INDICATED IN LEGEND, OR APPROVED EQUAL
3. PRESSURE REGULATOR
4. TO EMITTER BOX
5. FINISH GRADE
6. "Y" STRAINER
7. 3/4'' WASHED AGGREGATE OR GRAVEL
8. SUPPORT BRICKS (4) TOTAL



9 DRIP IRRIGATION VALVE

SCALE: N.T.S.

1. BALL VALVE MANUFACTURER AND MODEL AS INDICATED IN LEGEND, OR APPROVED EQUAL
2. ROUND VALVE BOX
3. EXTENSION LENGHT AS REQUIRED
4. PVC MALE ADAPTER, TYP.
5. FINISHED GRADE
6. SUPPORT BRICKS (3) TOTAL
7. 3/4" WASHED CRUSHED AGGREGATE BASE OR PEA GRAVEL

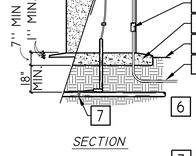


7 BALL VALVE

SCALE: N.T.S.

NOTES:

1. PILOT WIRES TO BE DIFFERENT COLOR FOR EACH VALVE. COMMON WIRES SHALL BE WHITE WITH DIFFERENT COLOR STRIPES FOR EACH AUTOMATIC CONTROLLER.
2. CONTROL WIRING SEQUENCE CORRESPONDS TO OPERATING SEQUENCE OF REMOTE CONTROL VALVES & AUTOMATIC SPRINKLER CONTROL UNIT STATION CONNECTION SEQUENCE SHOWN ON DETAIL IS FOR REFERENCE ONLY. SEE IRRIGATION PLAN FOR CORRECT VALVE SEQUENCE.
3. NO SPLICES SHALL BE MADE BETWEEN CONTROLLER & REMOTE CONTROL VALVE UNDER 500 LINEAL FEET.



SECTION

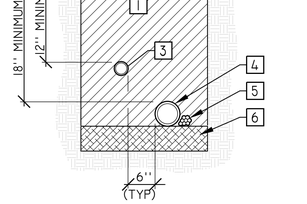
1. AUTOMATIC SPRINKLER CONTROL UNIT SECURED WITHIN WEATHERTIGHT ENCLOSURE
2. COMMON WIRE SHALL BE TIED INSIDE HOUSING WHEN REQUIRED
3. ON/OFF SWITCH AND 110 VOLT EXTERIOR OUTLET TO BE PROVIDED BY CONTRACTOR WITHIN ENCLOSURE
4. CONCRETE FOOTING -INSTALL A MIN. OF 3" ABOVE GRADE & SLOPE TOP TO DRAIN AT A MIN, OF 2%
5. FINISHED GRADE
6. ELECTRICAL CONDUIT TO SOURCE- (CONTROL UNIT ELECTRICAL REQUIREMENTS: 117 VOLTS, 60HZ, 2AMPS MAX.)
7. ELECTRICAL TAPE - TAPE WIRING AT INTERVALS OF 10' O.C. (1) COMMON WIRE TO ALL RCV'S (1) CONTROL WIRE TO EACH RCV CONTROL WIRING SECURE TO CONTROL UNIT UNLESS OTHERWISE NOTED. PROVIDE PVC SLEEVE FOR WIRES.

4 PEDESTAL MOUNTED CONTROLLER

SCALE: N.T.S.

NOTES:

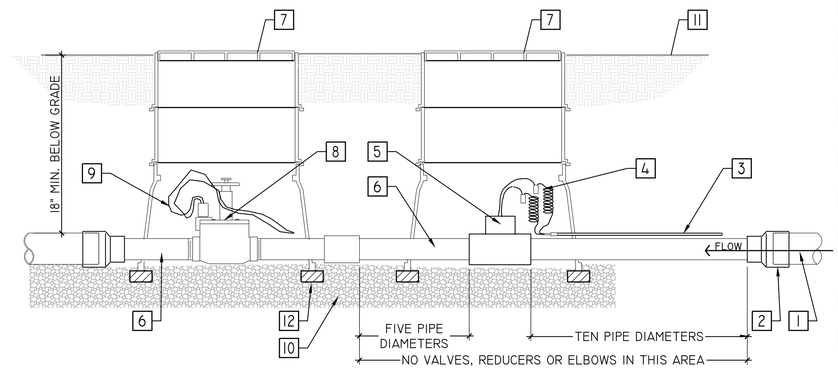
1. PIGTAIL AND LOOP CONTROL WIRE AT ALL 90° CHANGES IN DIRECTION.
2. PROVIDE A MINIMUM 10 FEET SEPARATION BETWEEN POTABLE AND RECLAIMED MAINLINE PIPING.
3. 24'' MINIMUM COVER ON 3'' MAINLINE AND LARGER.



1. CLEAN BACKFILL- 90% COMPACTION REQUIRED
2. FINISH GRADE
3. NON-PRESSURE LATERAL LINE SNAKE PIPE IN TRENCH
4. PRESSURE SUPPLY LINE SNAKE PIPE IN TRENCH
5. CONTROL WIRES- BUNDLE AND TAPE AT 10' O.C. AND INSTALL ADJACENT TO PRESSURE SUPPLY LINE
6. PROVIDE 2'' MIN. OF CLEAN BACKFILL

1 TYPICAL TRENCHING

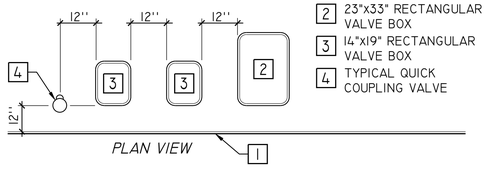
SCALE: N.T.S



1. PVC MAIN LINE TO BACKFLOW DEVICE
2. REDUCER AS REQUIRED
3. CABLE TO CONTROLLER SENSOR TERMINAL BARD, AS MFG. RECOMMEND
4. WATERPROOF WIRE CONNECTORS ON 18" LOOPED WIRES
5. FLOW SENSOR AS SPECIFIED
6. SCHEDULE 80 NIPPLES, VALVE INLET SIZE
7. 10X15 RECTANGULAR BOXES WITH 6' EXTENSIONS AS INDICATED
8. MASTER CONTROL VALVE AS SPECIFIED
9. WATERPROOF WIRE CONNECTORS, ON 30" LOOPED WIRES
10. 3" MINIMUM DEPTH, 3/4" WASHED GRAVEL
11. FINISHED GRADE
12. SUPPORT BRICKS (4) TOTAL EACH BOX

10 MASTER CONTROL VALVE & FLOW SENSOR

SCALE: N.T.S



PLAN VIEW

1. EDGE OF LAWN, WALK, FENCE, CURB, ETC.
2. 23"x33" RECTANGULAR VALVE BOX
3. 14"x19" RECTANGULAR VALVE BOX
4. TYPICAL QUICK COUPLING VALVE

NOTES:

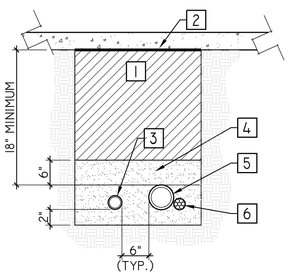
1. CENTER VALVE BOX OVER REMOTE CONTROL VALVE TO FACILITATE SERVICING VALVE.
2. SET BOXES 1" ABOVE FINISH GRADE OR MULCH COVER IN GROUND-COVER/SHRUB AREA AND FLUSH WITH FINISH GRADE IN TURF AREA.
3. SET RVC AND VALVE BOX ASSEMBLY IN GROUNDCOVER/SHRUB AREA WHERE POSSIBLE. INSTALL IN LAWN ONLY IF GROUNDCOVER DOES NOT EXIST ADJACENT TO LAWN.
4. SET BOXES PARALLEL TO EACH OTHER AND PERPENDICULAR TO EDGE.
5. AVOID HEAVILY COMPACTING SOIL AROUND VALVE BOXES TO PREVENT COLLAPSE AND DEFORMATION OF VALVE BOX SIDES.
6. IDENTIFY VALVE BOX WITH CONTROLLER LETTER AND VALVE NUMBER USING 1 1/2 - 2" LETTERING.

5 VALVE BOX INSTALLATION

SCALE: N.T.S

NOTES:

1. ALL SLEEVES TO BE SCHEDULE 40 PVC.
2. EXTEND ALL SLEEVES 12'' BEYOND EDGE OF HARDSCAPING AT BOTH ENDS.
3. 24'' MINIMUM COVER ON MAINLINE 3'' AND LARGER



1. CLEAN BACKFILL- 90% COMPACTION REQUIRED
2. HARDSCAPE/PAVING
3. NON-PRESSURE LATERAL LINE SLEEVE SIZE TWICE DIAMETER OF NON-PRESSURE LATERAL LINE
4. SAND
5. PRESSURE SUPPLY LINE SLEEVE- SIZE TWICE DIA. OF PRESSURE SUPPLY LINE
6. CONTROL WIRE SLEEVE- SIZE PER PLAN. INSTALL ADJACENT TO PRESSURE SUPPLY LINE

2 TYPICAL SLEEVING

SCALE: N.T.S

LICENSED LANDSCAPE ARCHITECT
Ryan J. Hendricks
P.L.A. 5094
Signature
11 / 30 / 24
Renewal Date
10 / 06 / 2023
Date
STATE OF CALIFORNIA

INTEGRA PLANNING+ LANDSCAPE ARCHITECTURE
1550 4TH. STREET
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PERKINS STREET, GOBBI STREET, AND MAIN STREET
CITY OF UKIAH, CALIFORNIA

IRRIGATION DETAILS & NOTES

Revisions

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Date: OCT. 6, 2023
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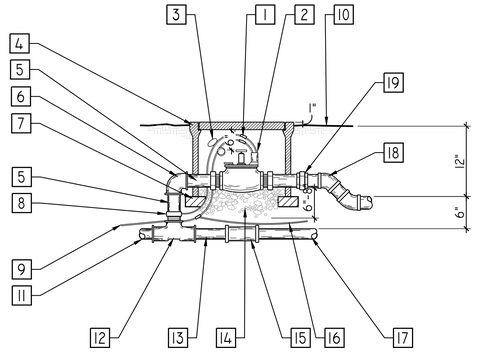
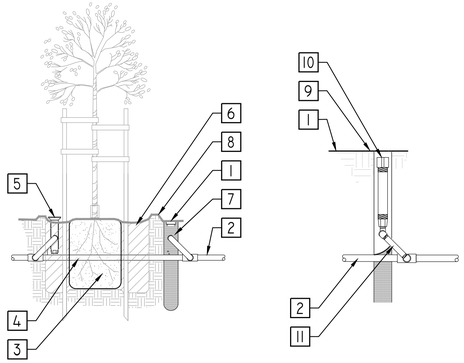


1 APPROVED WATERPROOF WIRE CONNECTORS (TYPICAL)
2 ELECTRIC CONTROL VALVE MANUFACTURER AND MODEL AS INDICATED IN LEGEND, OR APPROVED EQUAL.
3 LOOP THIRTY-SIX (36) INCHES EXCESS WIRE INTO EACH SINGLE BOX AND INTO ONE VALVE BOX IN EACH GROUP OF VALVES.
4 VALVE BOX
5 PVC SCH. 80 PIPE
6 PVC SxS 90 ELL
7 SUPPORT BRICKS (4) TOTAL
8 PVC TxS MALE ADAPTER (TYPICAL)
9 CONTROL WIRES TO CONTROLLER
10 FINISH GRADE
11 MAINLINE TO COUPLING
12 LINE SIZED PVC TEE TO COMPRESSION COUPLING
13 MAINLINE
14 ¾" WASHED AGGREGATE OR GRAVEL
15 COUPLING W/ THREADED CAP AT EACH END. LOCATE COUPLING UP AND DOWN STREAM OF PVC TEE
16 COMMON WIRES TO VALVES ON SAME CONTROLLER
17 EXISTING MAINLINE
18 LOWER LATERAL LINE WITH 40 PVC 45° ELBOWS
19 SCH. 80 PVC UNION

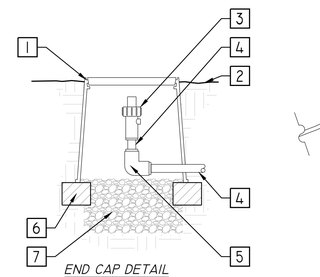
1 REMOTE CONTROL VALVE ASSEMBLY
SCALE: N.T.S



NOTES:
1. *INSTALL PRODUCT SO THAT THE LID IS EVEN WITH FINISH GRADE OR TOP OF MULCH.*
2. *WHEN INSTALLING IN EXTREMELY HARD OR CLAY SOILS, ADD 3/4" GRAVEL UNDER AND AROUND THE UNIT TO ALLOW FASTER WATER INFILTRATION AND ROOT PENETRATION.*
3. *ONCE PRODUCT HAS BEEN INSTALLED FILL THE BASKET WITH PEA GRAVEL BEFORE LOCKING LID.*

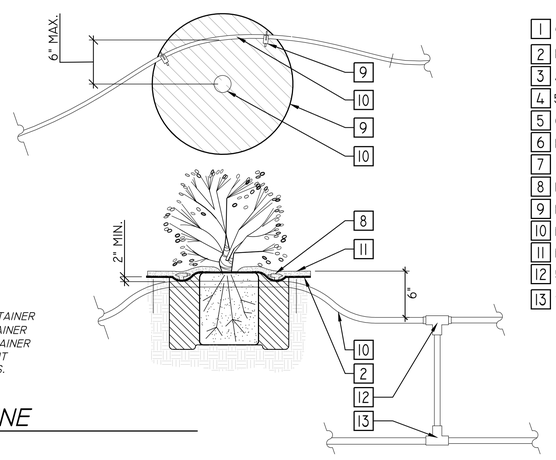
1 FINISH GRADE
2 PVC LATERAL LINE
3 ROOTBALL
4 ROUTE LATERAL LINE AROUND ROOT BALL AT EDGE OF PLANTING PIT
5 PLACE POP-UP STREAM BUBBLER AT EDGE OF ROOTBALL INSIDE BERM
6 PLACE POP-UP FLOOD BUBBLER AT EDGE OF ROOTBALL INSIDE BERM
7 SAND SOCK OUTSIDE BASIN FURTHEST AWAY FROM CURB OR HIGH SIDE OF SLOPE
8 2" BERM AT EDGE OF PLANTING PIT TO FORM BASIN
9 PLACE FIRM SOIL IMMEDIATELY AROUND TUBE
10 FLOOD BUBBLER IN FIXED RISER
11 LOW DENSITY PIPE OR POLYETHTLENE PIPE 14" MIN. / 24" MAX.

2 TREE DEEP ROOT WATERING
SCALE: N.T.S



END CAP DETAIL

NOTES:
1. *(2) 1/2 GAL./HR EMITTERS PER 1 GALLON CONTAINER*
2. *(2) 1 GAL./HR EMITTERS PER 5 GALLON CONTAINER*
3. *(3) 1 GAL./HR EMITTERS PER 15 GALLON CONTAINER*
4. *LAYOUT ON PLAN IS SCHEMATIC. VERIFY PLANT QUANTITIES FOR TOTAL NUMBER OF EMITTERS.*



1 6" ROUND VALVE BOX
2 FINISH GRADE
3 AUTOMATIC FLUSH VALVE
4 5/8" FLEXIBLE DRIP TUBING
5 COMPRESSION ELBOW
6 BRICK SUPPORTS (3)
7 18" PEA GRAVEL
8 DRIP EMITER
9 EDGE OF PLANT ROOTBALL
10 MAIN STEM OR TRUNK
11 MULCH
12 5/8" DRIP ADAPTER
13 3/4" PVC LATERAL TEE UP TO DRIP TUBING

3 FLEXIBLE DRIP LINE
SCALE: N.T.S.

LICENSED LANDSCAPE ARCHITECT
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P.L.A. 5094
Signature
11 / 30 / 24
Renewal Date
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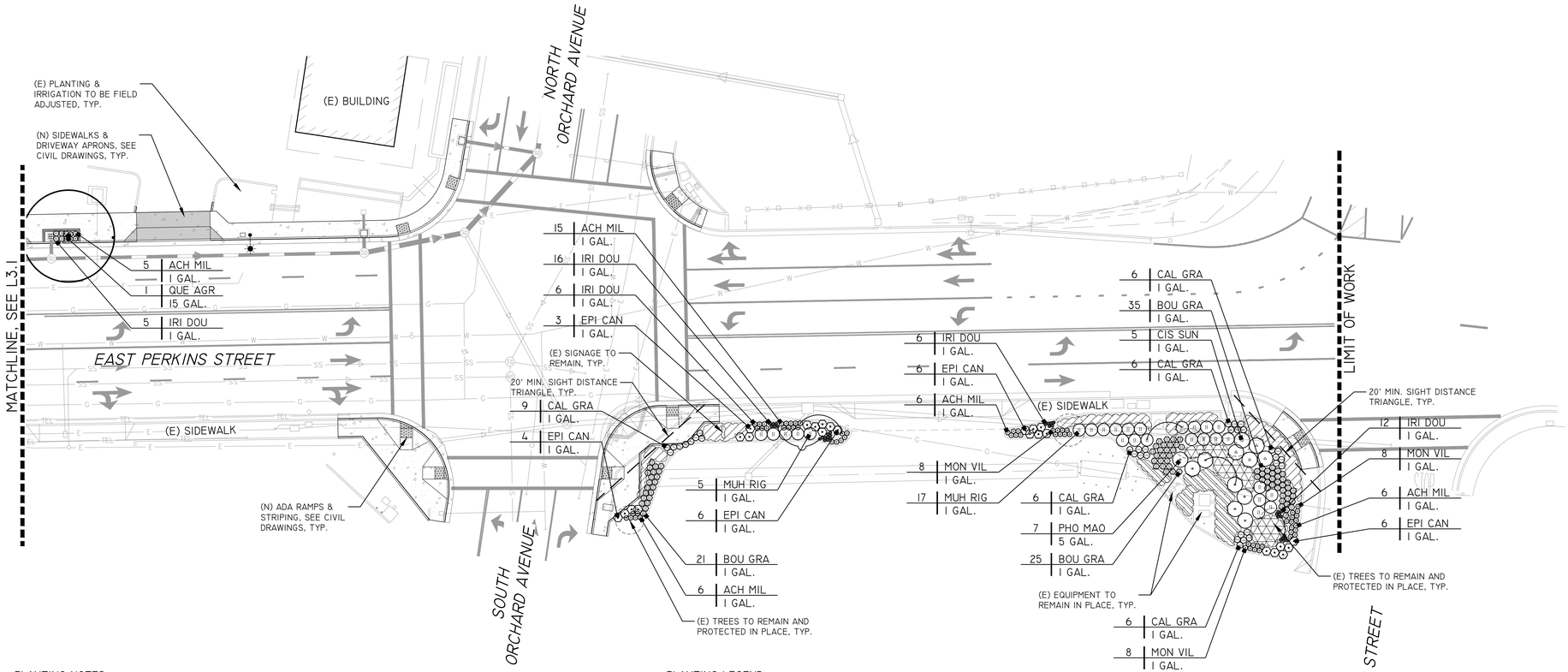
MWELO STATEMENT

"I HAVE COMPLIED WITH THE CRITERIA OF THE ORDINANCE AND APPLIED THEM FOR THE EFFICIENT USE OF WATER IN THE PLANTING PLAN"

10/06/2023

RIC J. HENDRICKS — DATE
REGISTERED LANDSCAPE ARCHITECT #5094



PLANTING NOTES

1. CONTRACTOR SHALL BID AND INSTALL PLANTING MATERIALS PER THESE PLANS AND SPECIFICATIONS, UNLESS GIVEN FURTHER WRITTEN INSTRUCTIONS, OR WRITTEN INSTRUCTION BY LANDSCAPE ARCHITECT. WORK INCLUDES, BUT IS NOT LIMITED TO ALL LABOR, GENERAL LIABILITY INSURANCE, WORKMAN'S COMPENSATION, EQUIPMENT, AND MATERIALS NECESSARY TO FURNISH, INSTALL AND GUARANTEE PLANTING, AS SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN.
2. COORDINATE FIELD OBSERVATIONS WITH LANDSCAPE ARCHITECT (MINIMUM 2 VISITS), CALL TO PROVIDE 48 HOUR NOTICE.
   A. REVIEW FINISHED GRADE W/ LANDSCAPE ARCHITECT PRIOR TO PLANT PLACEMENT. ALL PLANTS SHALL BE INSPECTED BY ARBORIST/ LANDSCAPE ARCHITECT FOR HEALTH, PESTS AND SIZE PRIOR TO LAYOUT.
   B. LAYOUT PLANTINGS FOR APPROVAL IN FULL QUANTITIES, PRIOR TO DIGGING HOLES. ADJUST LAYOUT AS DIRECTED BY LANDSCAPE ARCHITECT.
3. CONTRACTOR SHALL PROVIDE SUBMITTALS/SAMPLES TO LANDSCAPE ARCHITECT OF ALL SPECIMEN TREES (PHOTOGRAPHS WITH HUMAN SCALE), SOIL, MULCH, STAKES, TIES, AGRIFORM TABLETS, GRASS PAVE MATERIALS, STEEL EDGING, AND OTHER MATERIALS.
4. ALL WORK SHALL CONFORM TO THE LATEST APPLICABLE MENDOCINO COUNTY WATER AGENCY ORDINANCES RELATING TO PLANTING AND IRRIGATION. ALL PLANT MATERIALS TO BE INSTALLED PER CITY OF UKIAH STANDARDS AND PLANTING DETAILS. THE PLANT MATERIALS SHALL CONFORM TO THE PLANT LEGEND SPECIFICATION FOR SIZE & LATEST EDITION OF THE AMERICAN NURSERYMAN STANDARDS.
5. PRIOR TO REMOVING ANY PLANTS, CONTRACTOR SHALL OBTAIN APPROVAL OF OWNER AND LANDSCAPE ARCHITECT TO DETERMINE SPECIMENS TO REMAIN OR BE TRANSPLANTED. ALL PLANTING AREAS ARE TO BE FREE OF DELETERIOUS MATERIALS AND WEEDS PRIOR TO PLANTING.
6. A SOIL FERTILITY TEST SHALL BE REQUIRED FOR REVIEW BY THE LANDSCAPE ARCHITECT AFTER GRADING IS COMPLETE AND BEFORE ANY PLANT WORK. A SOIL TEST SHALL BE PERFORMED TO DETERMINE THE FINAL AMENDMENT AND FERTILIZER FORMULA. THE SOILS REPORT CONDUCTED BY WAYPOINT ANALYTICAL, (408) 727-0330, UNLESS OTHERWISE APPROVED) MUST CONTAIN THE FOLLOWING INFORMATION:
   A. SOIL PERMEABILITY RATE IN INCHES PER HOUR
   B. SOIL TEXTURE TEST
   C. CATION EXCHANGE CAPACITY
   D. SOIL FERTILITY INCLUDING TESTS FOR NITROGEN, POTASSIUM, PHOSPHOROUS, PH, ORGANIC MATTER
   E. TOTAL SOLUBLE SALTS AND SODIUM CONTENT
   F. CONTRACTOR TO REQUEST A "BAY-FRIENDLY" RECOMMENDATION FOR AMENDMENTS TO THE PLANTING AREA SOIL
7. A MINIMUM OF 8" OF NON-MECHANICALLY COMPACTED SOIL SHALL BE AVAILABLE FOR WATER ABSORPTION AND ROOT GROWTH IN PLANTED AREAS. WITHIN THE LIMITS OF NEW PLANTING AREAS, THE TOP 12" OF EXISTING SOIL OR TO THE EXTENT OF EXISTING TOPSOIL, WHICH EVER IS LESS, SHALL BE STRIPPED AND STOCKPILED ON THE SITE FOR RE-USE. ALL PLANTING AREAS TO BE TILLED SO THAT SOIL IS LOOSE AND NOT COMPACTED. ALL PLANTING BEDS TO RECEIVE A MINIMUM OF 12" OF APPROVED TOPSOIL. TO PREPARE PLANTING BEDS AND LAWN AREAS, CULTIVATE INTO TOP 12" OF SOIL: 6 CUBIC YARDS OF ORGANIC COMPOST PER 1,000 SQUARE FEET. COMPOST IS TO HAVE THE US COMPOSTING COUNCIL'S SEAL OF TESTING ASSURANCE (STA) AND THE ORGANIC MATERIALS REVIEW INSTITUTE (OMRI) LISTING. INCORPORATE COMPOST OR NATURAL FERTILIZER INTO THE SOIL TO A MINIMUM DEPTH OF 8" AT A MINIMUM RATE OF 6 CUBIC YARDS PER 1000 SQUARE FEET OR PER SPECIFIC AMENDMENT RECOMMENDATIONS FROM A SOILS LABORATORY REPORT. ANY ADDITIONAL AMENDMENTS SHALL BE CERTIFIED ORGANIC BY OMRI.
8. ALL PLANT LOCATIONS TO BE CONFIRMED IN THE FIELD BY THE LANDSCAPE ARCHITECT. CONTRACTOR IS TO COORDINATE ALL PLANTING WITH UTILITY LOCATIONS NOT SHOWN ON THIS PLAN. ANY CONFLICTS BETWEEN LOCATIONS OF PROPOSED PLANTING AND SITE UTILITIES OR LIGHTING TO BE CALLED TO THE ATTENTION OF THE LANDSCAPE ARCHITECT.
9. LAYOUT OF PLANTINGS IS DIAGRAMMATIC AND MAY NEED FIELD ADJUSTMENT FOR EXISTING SITE CONDITIONS NOT SHOWN ON PLANS, OR AS DIRECTED BY THE LANDSCAPE ARCHITECT. ADJUSTMENTS WILL BE MADE FOR VIEWS, ACCESS, ETC. ALL PLANTINGS SHALL BE FIELD ADJUSTED TO MEET THE MINIMUM STATE REGULATIONS FOR PLANTING AND MAINTAINING A FIRE DEFENSIBLE SPACE, DEPT. OF FORESTRY. PLANT QUANTITIES ARE FOR INFORMATIONAL USE ONLY. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PLANTS AS SHOWN ON THE DRAWINGS.
10. PLANTS SHALL BE SUFFICIENTLY ROOTED TO THE EDGE OF THE CONTAINER AND TO AN EXTENT SUFFICIENT TO HOLD THE ROOTBALL INTACT WHEN REMOVED FROM THE CONTAINER. NO PLANTS SHALL BE ACCEPTABLE THAT SHOW SIGNS OF CIRCLING OR GIRDLING OF ROOTS, OR ANY OTHER ROOT-BOUND CONDITION. PLANTS SHALL BE FREE FROM ALL PESTS AND DISEASES.
11. ALL PLANTS SHALL BE PLACED IN A TRIANGULAR SPACED PATTERN, UNLESS OTHERWISE SPECIFIED.
12. EXCAVATE PLANTING PITS 1" LESS THAN THE DEPTH OF THE PLANT CONTAINER AND TWO TIMES THE WIDTH OF THE PLANT CONTAINER. PREPARE HOLE BACKFILL MATERIAL BY USING 1 PART EXISTING SOIL TO 1 PART ORGANIC COMPOST. THOROUGHLY MIX THIS COMBINATION BEFORE BACKFILLING. SET PLANT PLUMB IN PLANTING PIT AND BRACE RIGIDLY IN POSITION, TAMPING BACKFILL MIX SOLIDLY AROUND THE BALL AND ROOTS. PLACE TOP OF ROOTBALL 1" ABOVE SURROUNDING GRADE. (SEE PLANTING DETAILS FOR TREES, SHRUBS AND GROUNDCOVERS ON THIS SHEET). DO NOT OVER COMPACT SOIL.
13. ALL TREES ARE TO BE STAKED AND TREES AND SHRUBS ARE TO HAVE WATERING BASINS. ALL TREES CLOSER THAN 8'-0" TO BUILDINGS, WALKS, PAVING, CURBS OR FOOTINGS SHALL BE INSTALLED WITH A DEEP ROOT BARRIER. USE DEEP ROOT BARRIER, TYPE UB 24-2 PER MANUFACTURER'S RECOMMENDATIONS.
14. AFTER PLANTING, WATER NEW PLANTINGS DEEPLY AND THOROUGHLY.
15. A MINIMUM 3" LAYER OF MULCH SHALL BE APPLIED ON ALL EXPOSED SOIL SURFACES OF PLANTING AREAS EXCEPT IN TURF AREAS, CREEPING OR ROOTING GROUNDCOVERS OR DIRECT SEEDING APPLICATIONS. MULCH SHALL BE "WOOD CHIPS" FROM SEQUOIA LANDSCAPE MATERIALS (707-527-5512), NATURAL COLOR OR EQUIVALENT.
16. THE CONTRACTOR SHALL MAINTAIN THE PLANTING AND IRRIGATION INSTALLATIONS FOR 60 DAYS FROM THE DATE OF FINAL ACCEPTANCE. ALL PLANT MATERIALS SHALL BE GUARANTEED FOR A MINIMUM PERIOD OF 6 MONTHS FROM DATE OF FINAL ACCEPTANCE.

PLANTING LEGEND

ABBREV.	BOTANICAL NAME	COMMON NAME	WUCOLS	SIZE	QTY	REMARKS/SPACING
TREES						
QUE AGR	QUERCUS AGRIFOLIA	COAST LIVE OAK	VL	15 GAL.	3	SINGLE TRUNK
SHRUBS						
*ACH MIL	ACHILLEA MILLEFOLIUM	YARROW	L	1 GAL.	60	18" O.C. SPACING
CAL GRA	CALANDRINIA GRANDIFLORA	ROCK PURSLANE	L	1 GAL.	33	2' O.C. SPACING
CIS SUN	CISTUS 'SUNSET'	MAGENTA ROCKROSE	L	1 GAL.	5	5' O.C. SPACING
*EPI CAN	EPILOBIUM CANUM	CAL. FUSCHIA	L	1 GAL.	31	3' O.C. SPACING
*IRI DOU	IRIS DOUGLASIANA	DOUGLAS IRIS	L	1 GAL.	34	12" O.C. SPACING
MON VIL	MONARDELLA VILLOSA	COYOTE MINT	VL	1 GAL.	30	18" O.C. SPACING
PHO MAO	PHORMIUM 'MAORI QUEEN'	NEW ZEALAND FLAX	L	5 GAL.	7	4' O.C. SPACING
GRASSES						
*BOU GRA	BOUTELOUA GRACILIS	BLUE GRAMA	L	1 GAL.	102	2' O.C. SPACING
*MUH RIG	MUHLENBERGIA RIGENS	DEER GRASS	L	1 GAL.	31	4' O.C. SPACING
GROUNDCOVERS						
	ARCTOSTAPHYLOS 'PACIFIC MIST'	MANZANITA	L	1 GAL.	-	5' O.C. SPACING
	CEANOTHUS 'CENTENNIAL'	CEANOTHUS	L	1 GAL.	-	4' O.C. SPACING
	MYOPORUM P. 'PINK'	PINK MYOPORUM	L	1 GAL.	-	7' O.C. SPACING

*BASMAA RECOMMENDED BIORETENTION PLANTS

NOTES

1. REFER TO SHEET L3.3 FOR PLANTING DETAILS.

GRAPHIC SCALE
0 20 40
(IN FEET)
1 INCH = 20 FT

LICENSED LANDSCAPE ARCHITECT
Ric J. Hendricks
P.L.A. 5094
Signature
11/30/24
Renewal Date
10/06/2023
Date
STATE OF CALIFORNIA

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URBAN CORE REHABILITATION
PERKINS STREET, GOBBI STREET, AND MAIN STREET
CITY OF UKIAH, CALIFORNIA

PLANTING PLAN

No.	Revisions

Date: OCT. 6, 2023
Scale: AS SHOWN
Design: OMM
Drawn: DDF
Approved: RJH
Job No: 22-003.01

Drawing Number:
L3.0
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Oct 04, 2023 - 3:04pm
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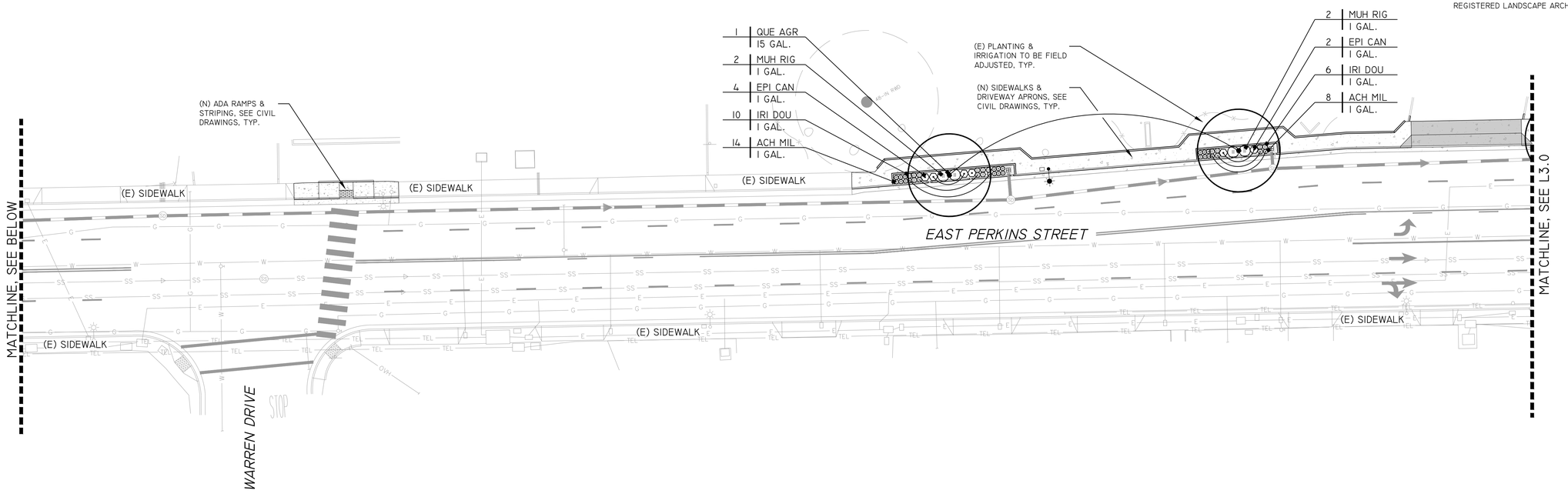
MWELO STATEMENT

"I HAVE COMPLIED WITH THE CRITERIA OF THE ORDINANCE AND APPLIED THEM FOR THE EFFICIENT USE OF WATER IN THE PLANTING PLAN"

10/06/2023

RIC J. HENDRICKS — DATE
REGISTERED LANDSCAPE ARCHITECT #5094



NOTES

1. REFER TO SHEET L3.3 FOR PLANTING DETAILS.

GRAPHIC SCALE
0 20 40
(IN FEET)
1 INCH = 20 FT

LICENSED LANDSCAPE ARCHITECT — Ric J. Hendricks — P.L.A. 5094 — Signature — 11/30/24 Renewal Date — 10/06/2023 Date — STATE OF CALIFORNIA

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URBAN CORE REHABILITATION
PERKINS STREET, GOBBI STREET, AND MAIN STREET
CITY OF UKIAH, CALIFORNIA

PLANTING PLAN

Revisions — No.

Date: OCT. 6, 2023
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Design: OMM
Drawn: DDF
Approved: RJH
Job No: 22-003.01

Drawing Number:
L3.1
39 OF 143

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MWELO STATEMENT

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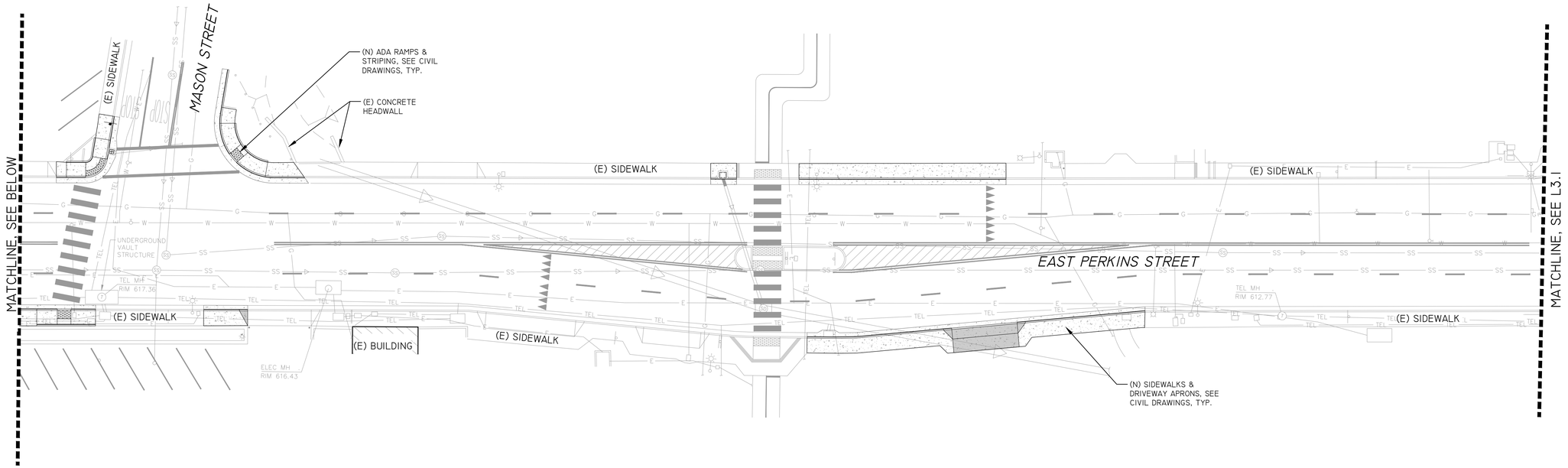
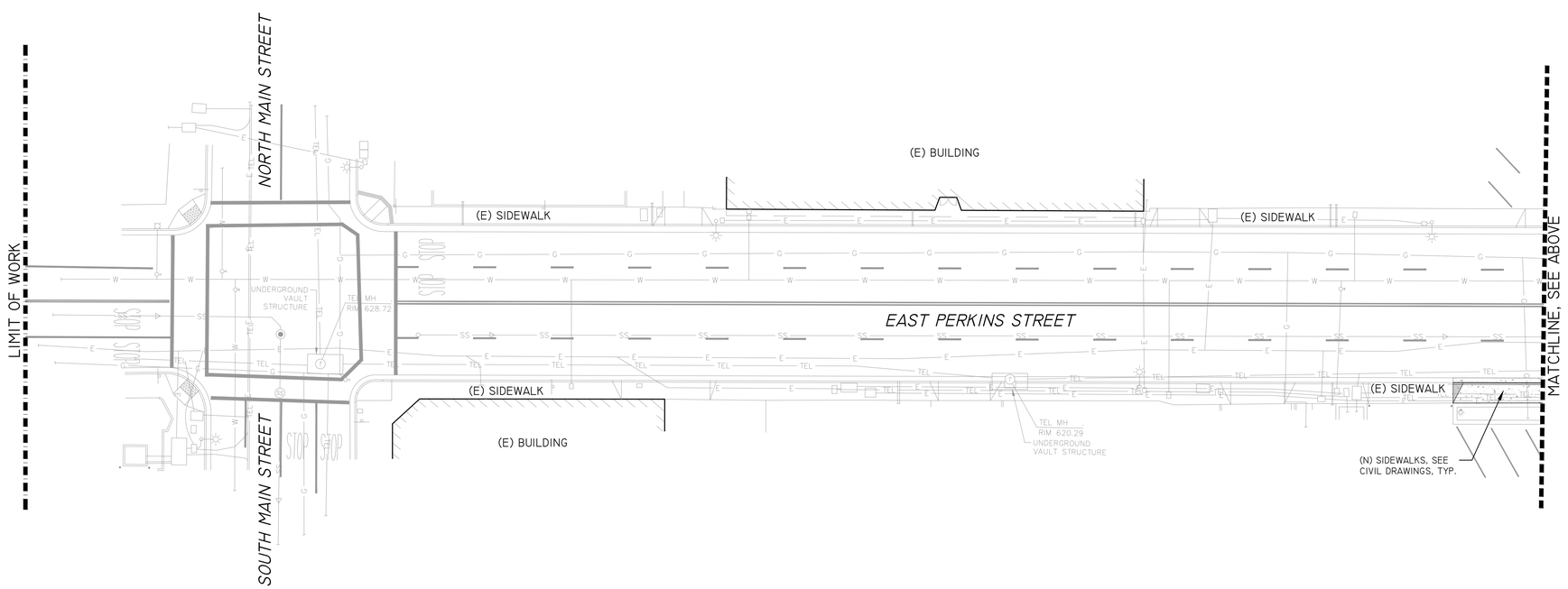
10/06/2023

RIC J. HENDRICKS
REGISTERED LANDSCAPE ARCHITECT #5094

DATE





NOTES

1. REFER TO SHEET L3.3 FOR PLANTING DETAILS.

GRAPHIC SCALE

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(IN FEET)
1 INCH = 20 FT

LICENSED LANDSCAPE ARCHITECT
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STATE OF CALIFORNIA

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URBAN CORE REHABILITATION
PERKINS STREET, GOBBI STREET, AND MAIN STREET
CITY OF UKIAH, CALIFORNIA

PLANTING PLAN

No.	Revisions

Date: OCT. 6, 2023
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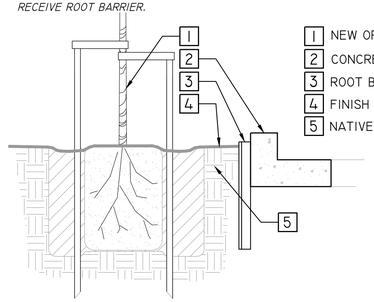
NOTES:

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. THE TOP OF THE BARRIER PANELS MUST BE SLIGHTLY ABOVE GRADE (NEVER BELOW GRADE)
3. POSITION BARRIER PANELS VERTICALLY WITH TOP AGAINST THE STRUCTURE TO BE PROTECTED
4. ALL TREES WITHIN 10' OF PAVING, WALLS, BUILDINGS OR UTILITES SHALL RECEIVE ROOT BARRIER.



1 NEW OR EXISTING TREE
2 CONCRETE CURB
3 ROOT BARRIER
4 FINISH GRADE
5 NATIVE BACKFILL

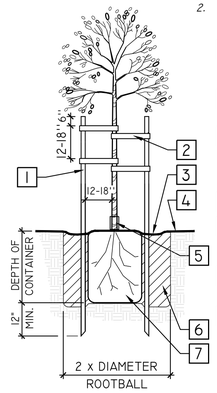
4 LINEAR ROOT BARRIER

SCALE: N.T.S.

PREVAILING WINDS →

NOTES:

1. CROWN OF ROOTBALL TO BE 1" ABOVE FINISH GRADE.
2. FOR ADDITIONAL INFORMATION REFER TO PLANTING NOTES AND SPECIFICATIONS.



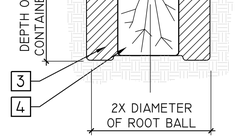
1 10' LODGE POLE STAKE BOTH SIDES, 'TOMAHAWK TREE STABILIZER SYSTEM' (800) 845-3343, OR APPROVED EQUAL
2 CINCH TIE, ARBOR TIE, OR APPROVED EQUAL
3 A SHALLOW BASIN 2'' DEEP SHALL BE FORMED AROUND BALL BELOW FINISH GRADE. TREES PLANTED IN TURF AREAS SHALL NOT HAVE BASINS.
4 FINISH GRADE
5 TREES INSTALLED WITHIN TURF AREAS SHALL BE INSTALLED WITH 'ARBOR-GARD' OR APPROVED EQUAL AT BASE OF TRUNK.
6 BACKFILL IN ACCORDANCE WITH PROJECT AGRICULTURAL SUITABILITY SOILS REPORT
7 ROOTBALL

1 TREE PLANTING (DOUBLE STAKE - 15 GAL. & 24" BOX)

SCALE: N.T.S.

NOTES:

1. CROWN OF ROOTBALL TO BE 1/2"-1" ABOVE FINISH GRADE.
2. FOR ADDITIONAL INFORMATION REFER TO PLANTING NOTES AND SPECIFICATIONS.



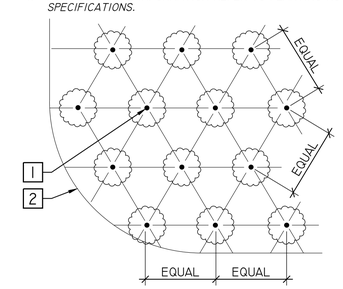
1 A SHALLOW BASIN 2" DEEP SHALL BE FORMED AROUND ROOTBALL BELOW FINISH GRADE
2 FINISH GRADE
3 BACKFILL IN ACCORDANCE WITH PROJECT AGRICULTURAL SUITABILITY SOILS REPORT
4 ROOTBALL

2 SHRUB PLANTING

SCALE: 1" = 1'-0"

NOTES:

1. ALL PLANTS SHALL BE PLANTED AT EQUAL SPACING (TRIANGULAR) UNLESS OTHERWISE INDICATED ON PLANS.
2. AS APPROPRIATE, CENTERLINE OF PLANTS SHALL BE 1/2 OF EQUAL SPACING MINIMUM FROM EDGE OF PLANTING AREA.
3. INFILL PLANTS AS REQUIRED TO MAINTAIN SPACING AT IRREGULAR EDGES.
4. FOR ADDITIONAL INFORMATION REFER TO PLANTING NOTES AND SPECIFICATIONS.



1 TYPICAL PLANT SPACING VARIES - SEE PLANT LEGEND AND/OR PLANS
2 EDGE OF PLANTING AREA

3 GROUNDCOVER SPACING

SCALE: N.T.S

LICENSED LANDSCAPE ARCHITECT
Ryan J. Hendricks
P.L.A. 5094
Signature 11/30/24 Renewal Date
10/06/2023 Date
STATE OF CALIFORNIA

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URBAN CORE REHABILITATION
PERKINS STREET, GOBBI STREET, AND MAIN STREET
CITY OF UKIAH, CALIFORNIA

PLANTING DETAILS & NOTES

No.	Revisions

Date: OCT. 6, 2023
Scale: AS SHOWN
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Job No: 22-003.01

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IMPROVEMENT DRAWINGS FOR

GOBBI STREET

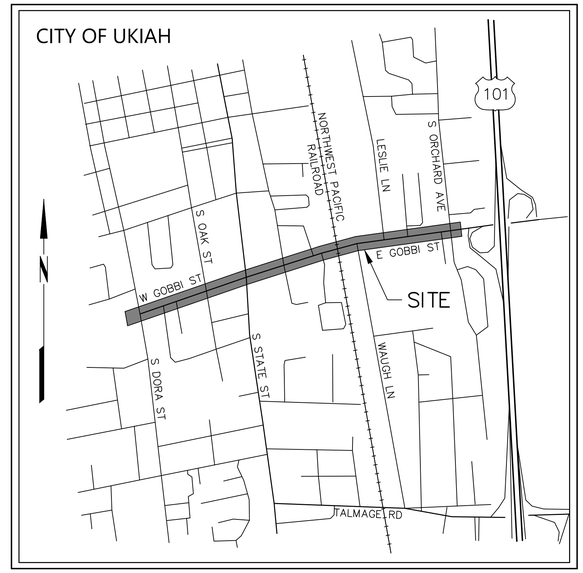
UTILITY REPLACEMENT PROJECT
SOUTH DORA STREET TO SOUTH ORCHARD AVENUE
CITY OF UKIAH, CALIFORNIA

CITY CONTRACT NUMBER: 2122-105
OCTOBER 2023

City of Ukiah

PROJECT SCOPE:

WORK TO BE PERFORMED ON GOBBI STREET IS LOCATED BETWEEN SOUTH DORA STREET AND SOUTH ORCHARD STREET, WITHIN THE CITY OF UKIAH. WORK GENERALLY CONSISTS OF WATER AND SEWER MAIN REMOVAL AND REPLACEMENT, WATER AND SEWER SERVICE CONNECTION UPGRADES, CURB RAMP REPLACEMENT, BULB OUT CONSTRUCTION, BICYCLE LANE STRIPING IMPROVEMENTS, TRAFFIC SIGNAL INSTALLATION, ROADWAY GRIND AND OVERLAY, ASPHALT CONCRETE DIGOUTS, MINOR LANDSCAPING IMPROVEMENTS, AND DEMOLITION AND EXCAVATION OF HARDSCAPE TO SUPPORT THESE IMPROVEMENTS.



VICINITY MAP
NOT TO SCALE

KEY MAP
NOT TO SCALE

DATE	REVISION	BY

CITY OF UKIAH
APPROVED DATE

TIM ERICKSEN
DIRECTOR OF PUBLIC WORKS/CITY ENGINEER

REGISTERED PROFESSIONAL ENGINEER * REBECCA DOWER * No. C 80868 * CIVIL * STATE OF CALIFORNIA

10/20/2023

REBECCA DOWER C 80868

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URBAN CORE REHABILITATION
GOBBI STREET UTILITY REPLACEMENT
CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

COVER SHEET

Revisions

No.	

Date: OCT 2023
Scale: AS SHOWN
Design: BD
Drawn: BTL
Approved: BD
Job No: 20210758

Drawing Number:

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Plot: Oct 19, 2023 at 9:11am

GRADING NOTES

PERFORM GRADING UNDER THE OBSERVATION OF THE GEOTECHNICAL ENGINEER AND IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT PREPARED BY LACO ASSOCIATES, DATED MAY 12, 2022.

UTILITY NOTES

PROVIDE UTILITY TRENCH BACKFILL AND REPAVE TRENCHED AREAS IN ACCORDANCE WITH THE RECOMMENDATIONS OF SECTIONS 6.1 AND 6.2 OF THE GEOTECHNICAL REPORT.

UTILITY TRENCH BACKFILL MATERIAL SHALL BE FREE OF ORGANIC MATERIAL, ROCKS WITH A MAXIMUM DIMENSION GREATER THAN 3-INCHES, AND OTHER DELETERIOUS MATERIAL. UTILITY TRENCH BACKFILL SHALL HAVE A MAXIMUM LIQUID LIMIT OF 35-PERCENT, A MAXIMUM PLASTICITY INDEX OF 15-PERCENT, AND A FRACTION FINER THAN NO. 200 SIEVE OF BETWEEN 5-PERCENT AND 60-PERCENT. UTILITY TRENCH BACKFILL MATERIAL SHALL BE OBSERVED AND TESTED BY THE GEOTECHNICAL ENGINEER FOR CONFORMANCE TO THE AFOREMENTIONED CRITERIA. BACKFILL SHOULD BE PLACED IN LIFTS NO THICKER THAN 8-INCHES OF LOOSE THICKNESS, MOISTURE CONDITIONED TO WITHIN 2-PERCENT OF OPTIMUM MOISTURE CONTENT, AND COMPACTED TO AT LEAST 90-PERCENT RELATIVE COMPACTION. THE UPPER 6-INCHES OF SOIL SUBGRADE SHOULD BE COMPACTED TO AT LEAST 95-PERCENT RELATIVE COMPACTION AND BE FIRM AND UNYIELDING.

PROVIDE TRENCHING FOR SANITARY SEWER PIPE IN ACCORDANCE WITH CITY OF UKIAH STANDARD DRAWING NUMBER 220.

PROVIDE TRENCHING FOR WATER PIPE IN ACCORDANCE WITH CITY OF UKIAH STANDARD DRAWING NUMBER 320.

CONTRACTOR SHALL CONTACT THE CITY OF UKIAH PUBLIC WORKS DEPARTMENT FOR FINAL INSPECTION OF ALL SEWER MAINS AND LATERALS. ALL SEWER MAINS AND LATERALS MUST BE CLEANED & MANDRELED PRIOR TO CITY ACCEPTANCE.

THE CONTRACTOR SHALL CONTACT THE CITY OF UKIAH ELECTRIC DEPARTMENT AT LEAST 48 HOURS IN ADVANCE FOR INSPECTIONS OF ALL CONDUIT, TRENCHING, AND GROUNDING PRIOR TO BACKFILL. NORMAL WORK HOURS ARE MONDAY THROUGH THURSDAY. CONTRACTOR SHALL PAY ALL OVERTIME PREMIUMS ASSOCIATED WITH INSPECTIONS OUTSIDE OF THE NORMAL WORKDAY/WORKWEEK.

THE CONTRACTOR SHALL HIRE AN INDEPENDENT TELEVISION INSPECTION SERVICE TO PERFORM A CLOSED-CIRCUIT TELEVISION INSPECTION OF ALL NEWLY CONSTRUCTED SEWERS INCLUDING LATERALS FROM THE MAIN TO THE CLEAN-OUT.

METER BOXES AND VAULTS SHALL BE SET SO THAT THE READING LIDS ARE ALIGNED OVER THE METER REGISTERS AS CLOSELY AS POSSIBLE.

UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL PROVIDE POLYVINYL CHLORIDE (PVC) C900 PIPE WHERE ANNOTATED AS WATER (W) ON THE CONSTRUCTION DRAWINGS.

UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL PROVIDE DUCTILE IRON PIPE (DIP) OR SDR26 POLYVINYL CHLORIDE (PVC) PIPE WHERE ANNOTATED AS SANITARY SEWER (SS) ON THE CONSTRUCTION DRAWINGS.

UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL PROVIDE HIGH DENSITY POLYETHYLENE (HDPE) PIPE OR REINFORCED CONCRETE PIPE (RCP) WHERE ANNOTATED AS STORM DRAIN (SD) ON THE CONSTRUCTION DRAWINGS.

MAPPING NOTES

TOPOGRAPHIC INFORMATION SHOWN HEREON WAS OBTAINED FROM A FIELD SURVEY CONDUCTED BY BKF ENGINEERS IN NOVEMBER 2021 AND SUPPLEMENTED WITH AVAILABLE INFORMATION.

BASIS OF BEARING: BEARINGS ARE BASED UPON THE NORTH AMERICAN DATUM OF 1983 (NAD83) (2011), EPOCH 2017.50, AS PUBLISHED BY THE CALIFORNIA SPATIAL REFERENCE CENTER, CALIFORNIA STATE PLANE COORDINATE SYSTEM, ZONE 2. DISTANCES ARE GROUND BASED. MULTIPLY BY A COMBINED SCALE FACTOR OF 0.9998913117 TO OBTAIN GRID DISTANCES.

BENCHMARK: MAG NAIL WITH WASHER ON SIDEWALK, LOCATION SHOWN HEREON (SHEET HZ-1), ELEVATION 617.75'. ELEVATIONS ARE BASED UPON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) ESTABLISHED BY EPOCH 2017.50 ELLIPSOID HEIGHTS AS PUBLISHED BY THE CALIFORNIA SPATIAL REFERENCE CENTER AND NGS GEOID 18.

DRAINAGE STRUCTURE TABLE

STRUCTURE	NO.	MODEL	SIZE	DETAIL
GRATE INLET	1–2	NDS 9" SQUARE CATCH BASIN OR EQUIVALENT	9"x9"	–
CATCH BASIN	1–4	CITY OF UKIAH STD 404, CURB DEPRESSION PER CITY STD 403	36"x42"	–

SYMBOLS & LEGEND

EXISTING / PROPOSED

- BENCHMARK
- IRON PIPE
- CENTERLINE MONUMENT
- BLOW OFF
- VALVE
- WATER METER
- CHECK VALVE
- BACKFLOW PREVENTION DEVICE
- FIRE DEPARTMENT CONNECTION
- FIRE HYDRANT
- POST INDICATOR VALVE
- REDUCER
- RISER
- LIGHT POLE
- STREET SIGN
- TRAFFIC SIGNAL
- STREET LIGHT
- UTILITY POLE
- GUY ANCHOR
- CATCH BASIN
- TREE
- TREE CLUSTER
- RIGHT OF WAY
- EASEMENT
- CENTERLINE
- GRADE BREAK
- FLOW LINE
- FENCE
- TREE PROTECTION FENCE
- SANITARY SEWER (SIZE" SS / SIZE" SS–LENGTH')
- STORM DRAIN (SIZE" SD / SIZE" SD–LENGTH')
- WATER (SIZE" W / SIZE" W–LENGTH')
- OVERHEAD UTILITY LINE (OVH)
- UNDERGROUND UTILITY LINE (UT)
- UNDERGROUND ELECTRIC LINE (E)
- UNDERGROUND GAS LINE (G)
- UNDERGROUND TELECOM LINE (TEL)
- UNDERGROUND TV LINE (CTV)
- UNDERGROUND UTILITY JOINT TRENCH (JT)
- AGGREGATE BASE (TYPICAL SECTIONS AND DETAILS ONLY)
- ASPHALT (TYPICAL SECTIONS AND DETAILS ONLY)
- ASPHALT PLUG
- ASPHALT GRIND & OVERLAY
- ASPHALT CONFORM GRIND
- ASPHALT DIG-OUT
- ASPHALT TRENCH REPAIR
- CONCRETE
- VEHICULAR CONCRETE
- DETECTABLE WARNING
- VALLEY GUTTER
- BIORETENTION
- INVERT AT CLEANOUT (INV)
- KEYNOTE (?)
- DETAIL IDENTIFICATION (1 / C1)
- SHEET WHERE DETAIL IS SHOWN

ABBREVIATIONS

±	MORE OR LESS
AB	AGGREGATE BASE
AC	ASPHALT CONCRETE
BEG	BEGINNING
BFP	BACKFLOW PREVENTER
BLDG	BUILDING
BLRD	BOLLARD
CATV	TV BOX
CB	CATCH BASIN
CL2	CLASS II
CO	CLEAN OUT
CONC	CONCRETE
DI	DROP INLET
DIA	DIAMETER
DS	RAINWATER DOWN SPOUT
DW	DRIVEWAY
DYL	DOUBLE YELLOW LINE
E	ELECTRIC
EG	EXISTING GROUND
ELEV	ELEVATION
EP	EDGE OF PAVEMENT
EX	EXISTING
FG	FINISHED GRADE
G	GAS
GI	GRATE INLET
HMA	HOT MIX ASPHALT
INV	BOTTOM INSIDE OF PIPE
LAT	LATERAL
LF	LINEAR FOOT
LT	LEFT
MAX	MAXIMUM
MB	MAILBOX
MH	MANHOLE
MIN	MINIMUM
NO	NUMBER
NTS	NOT TO SCALE
OVH	OVERHEAD UTILITY LINE
QTY	QUANTITY
R	RADIUS
RT	RIGHT
S=	SLOPE
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SS	SANITARY SEWER
SSCO	SANITARY SEWER CLEAN OUT
SSMH	SANITARY SEWER MANHOLE
STA	STATION
TB	TOP OF BOX
TC	TOP FACE OF CURB
TEL	TELECOMMUNICATION LINE
TF	TRANSFORMER
TG	TOP OF GRATE
TS	TRAFFIC SIGNAL
TV	TELEVISION
TW	TOP OF WALL
TYP	TYPICAL
UB	UTILITY BOX
VLT	VAULT
W	WATER
WL	WHITE LINE
WM	WATER METER
WS	WATER SERVICE

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C 80868

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URBAN CORE REHABILITATION

GOBBI STREET UTILITY REPLACEMENT
CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

NOTES, LEGEND AND ABBREVIATIONS

Revisions

No.	

Date: OCT 2023
Scale: AS SHOWN
Design: BD
Drawn: BTL
Approved: BD
Job No: 20210758

Drawing Number:

43 OF 143

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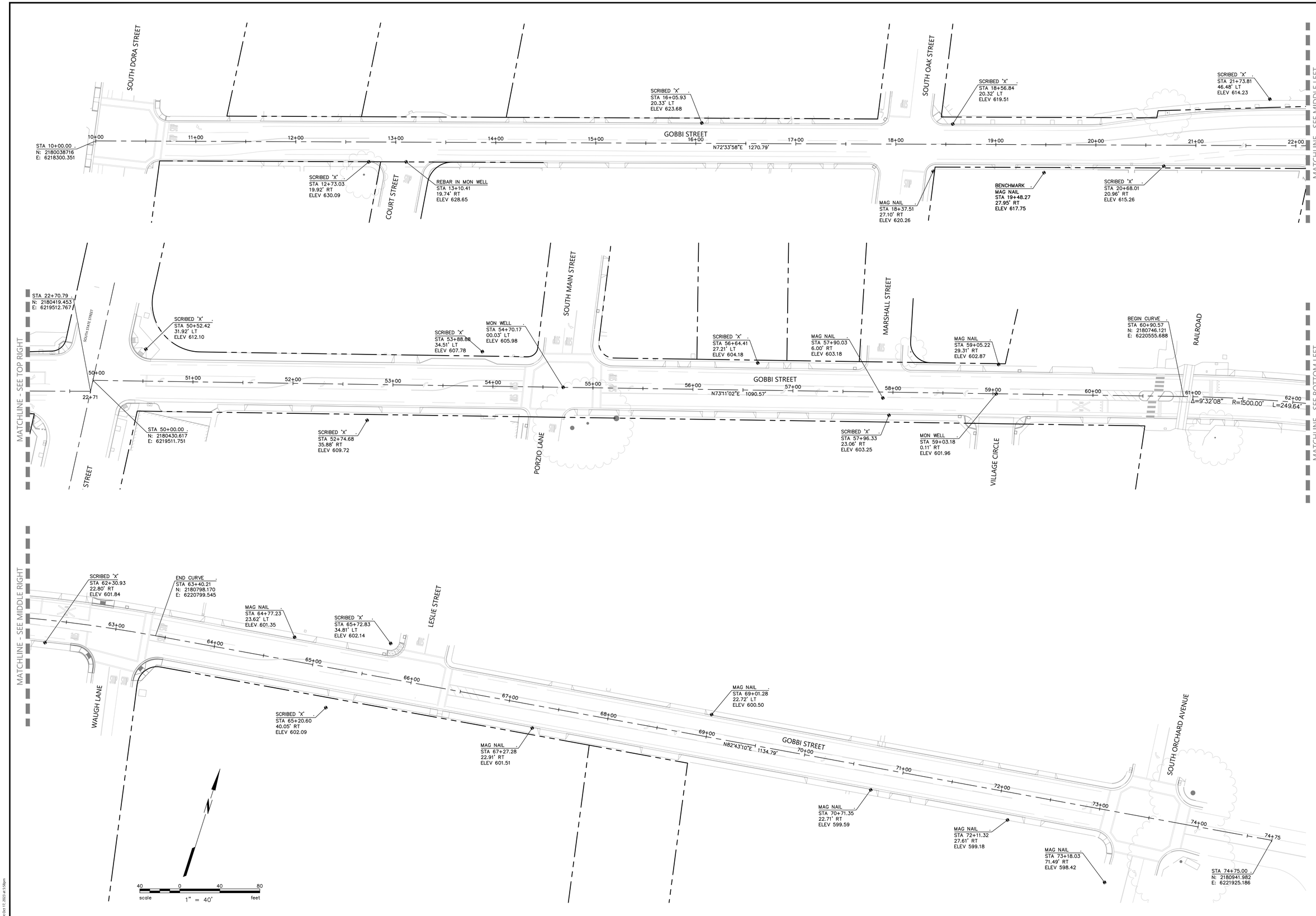

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HORIZONTAL CONTROL PLAN

No.	Revisions

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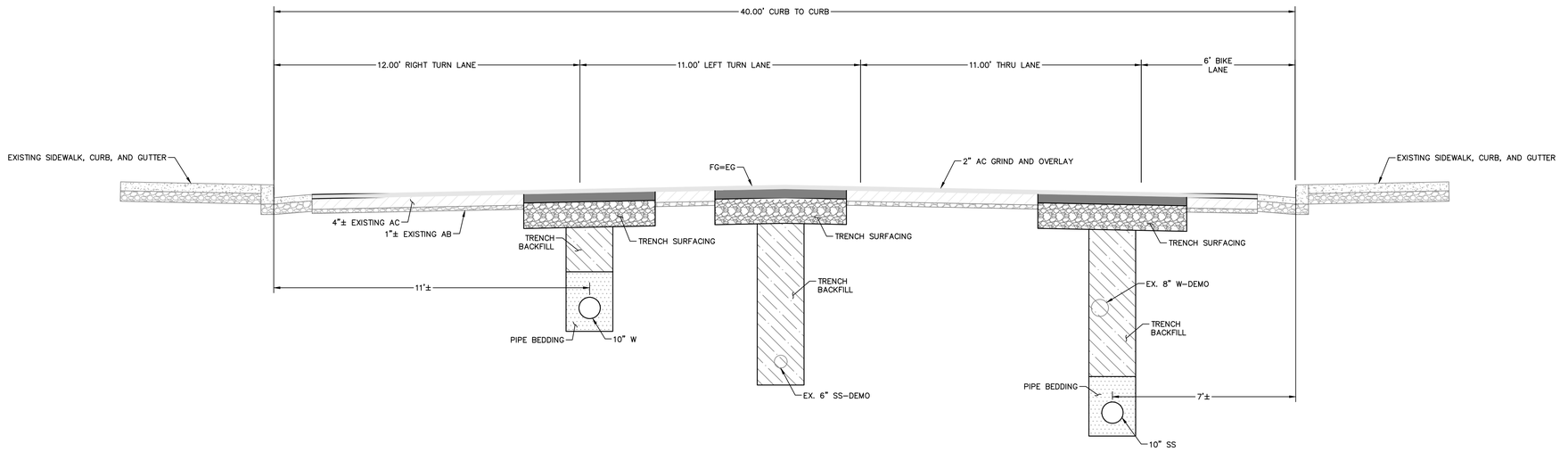
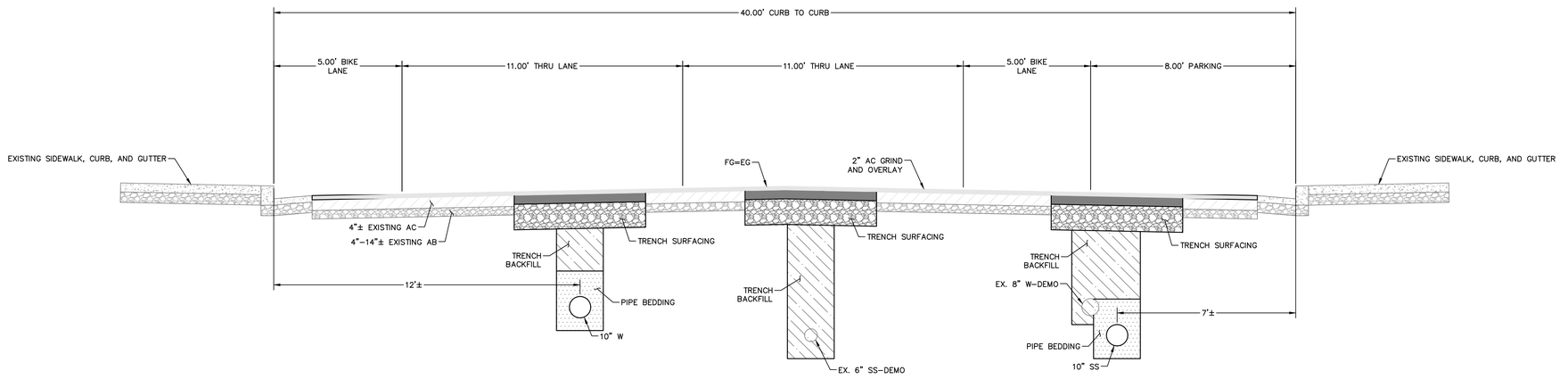


1 TYPICAL SECTION 1

STATION 11+00 TO STATION 11+50



2 TYPICAL SECTION 2

STATION 12+50 TO STATION 17+50

NOTES:

1. PROVIDE TRENCHING SURFACING CONSISTING OF 6-INCHES AC OVER 12-INCHES CL2 AB IN ACCORDANCE WITH THESE DRAWINGS AND CITY OF UKIAH STANDARD DRAWINGS NO. 220 AND 320.
2. PROVIDE SEWER PIPE TRENCHING, BEDDING, AND BACKFILL IN ACCORDANCE WITH CITY OF UKIAH STANDARD DRAWING NO. 220.
3. PROVIDE WATER PIPE TRENCHING, BEDDING, AND BACKFILL IN ACCORDANCE WITH CITY OF UKIAH STANDARD DRAWING NO. 320.

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TYPICAL ROADWAY SECTIONS

No.	Revisions

Date: OCT 2023
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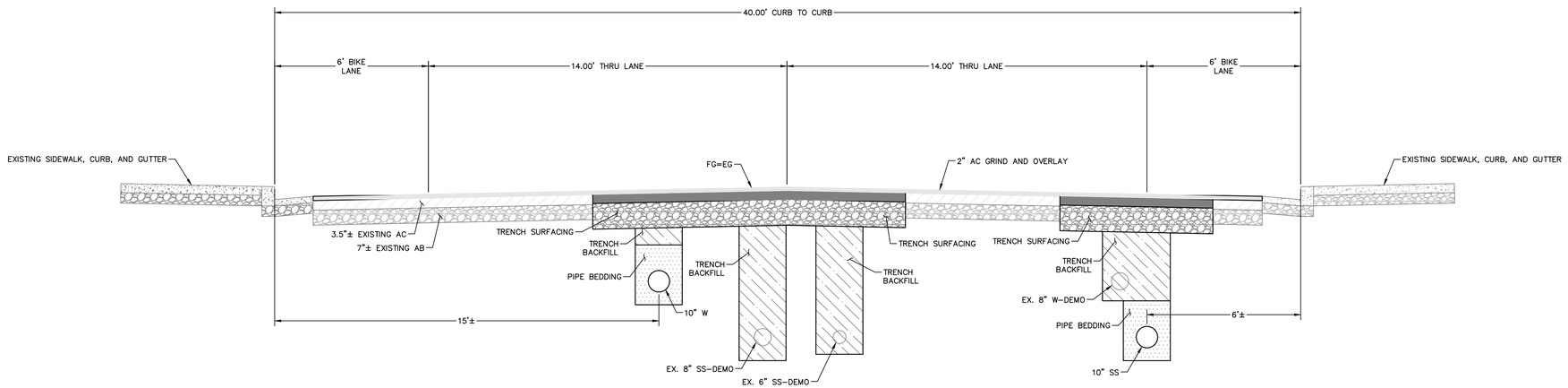
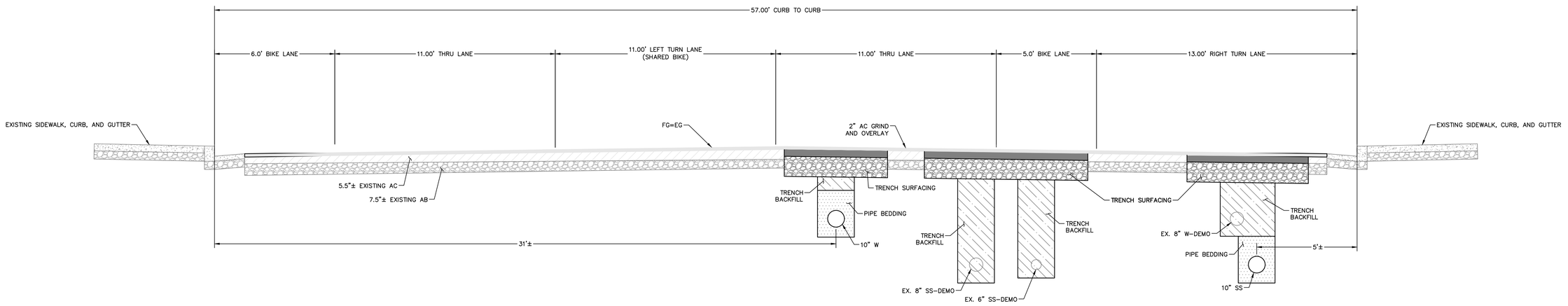


3 TYPICAL SECTION 3

STATION 18+50 TO STATION 19+50



4 TYPICAL SECTION 4

STATION 21+50 TO STATION 22+00

NOTES:

1. PROVIDE TRENCHING SURFACING CONSISTING OF 6-INCHES AC OVER 12-INCHES CL2 AB IN ACCORDANCE WITH THESE DRAWINGS AND CITY OF UKIAH STANDARD DRAWINGS NO. 220 AND 320.
2. PROVIDE SEWER PIPE TRENCHING, BEDDING, AND BACKFILL IN ACCORDANCE WITH CITY OF UKIAH STANDARD DRAWING NO. 220.
3. PROVIDE WATER PIPE TRENCHING, BEDDING, AND BACKFILL IN ACCORDANCE WITH CITY OF UKIAH STANDARD DRAWING NO. 320.

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TYPICAL ROADWAY SECTIONS

No.	Revisions

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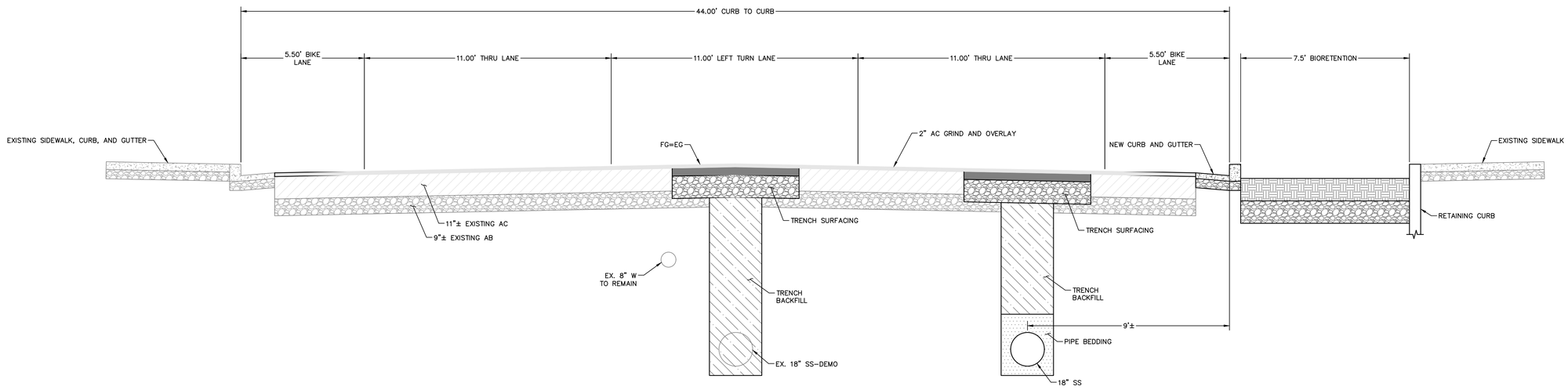
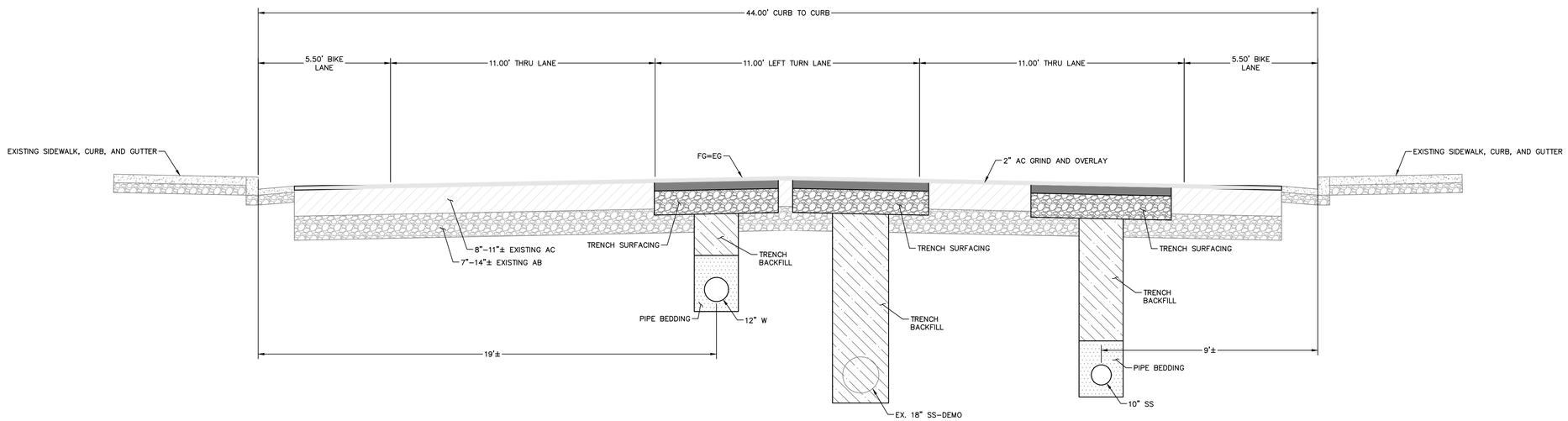


5 TYPICAL SECTION 5
STATION 50+50 TO STATION 51+50



6 TYPICAL SECTION 6
STATION 52+50 TO STATION 55+50
STATION 63+50 TO STATION 65+50
STATION 72+50 TO STATION 73+00

NOTES:

1. PROVIDE TRENCHING SURFACING CONSISTING OF 6-INCHES AC OVER 12-INCHES CL2 AB IN ACCORDANCE WITH THESE DRAWINGS AND CITY OF UKIAH STANDARD DRAWINGS NO. 220 AND 320.
2. PROVIDE SEWER PIPE TRENCHING, BEDDING, AND BACKFILL IN ACCORDANCE WITH CITY OF UKIAH STANDARD DRAWING NO. 220.
3. PROVIDE WATER PIPE TRENCHING, BEDDING, AND BACKFILL IN ACCORDANCE WITH CITY OF UKIAH STANDARD DRAWING NO. 320.

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TYPICAL ROADWAY SECTIONS

No.	Revisions

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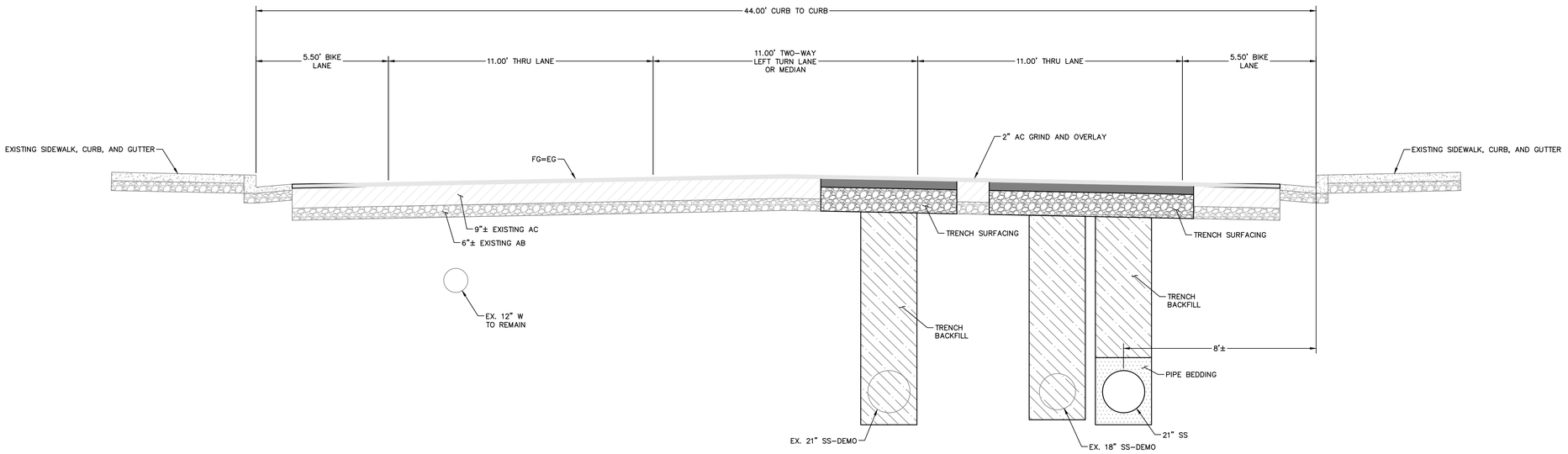
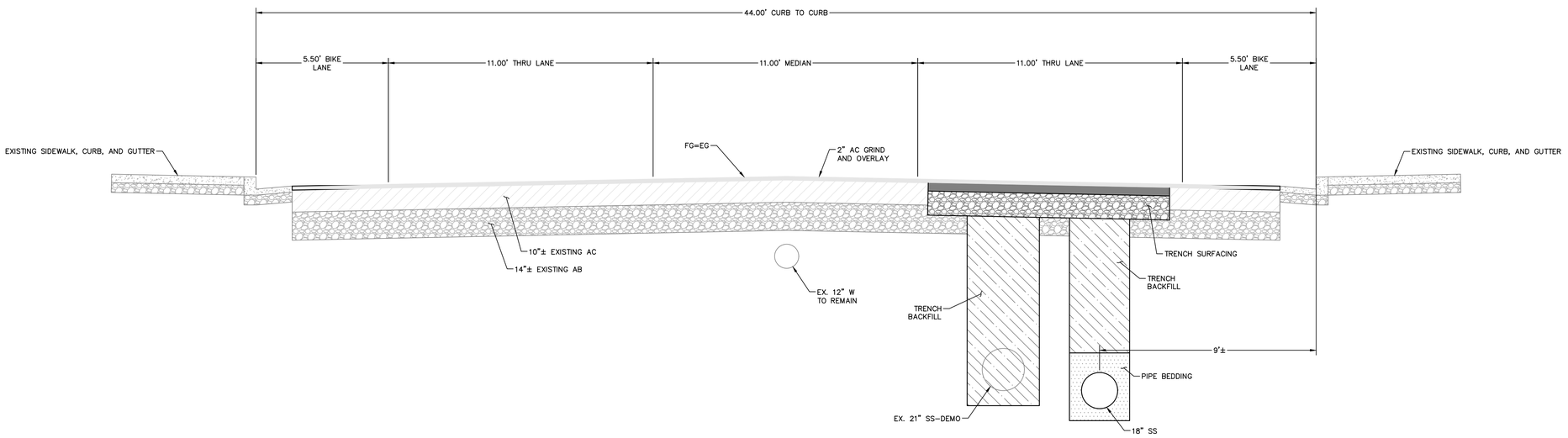


7 TYPICAL SECTION 7

STATION 56+00 TO STATION 60+00
STATION 61+50 TO STATION 62+50
STATION 67+00 TO STATION 72+00



8 TYPICAL SECTION 8

STATION 60+50 TO STATION 61+00

NOTES:

1. PROVIDE TRENCHING SURFACING CONSISTING OF 6-INCHES AC OVER 12-INCHES CL2 AB IN ACCORDANCE WITH THESE DRAWINGS AND CITY OF UKIAH STANDARD DRAWINGS NO. 220 AND 320.
2. PROVIDE SEWER PIPE TRENCHING, BEDDING, AND BACKFILL IN ACCORDANCE WITH CITY OF UKIAH STANDARD DRAWING NO. 220.
3. PROVIDE WATER PIPE TRENCHING, BEDDING, AND BACKFILL IN ACCORDANCE WITH CITY OF UKIAH STANDARD DRAWING NO. 320.

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TYPICAL ROADWAY SECTIONS

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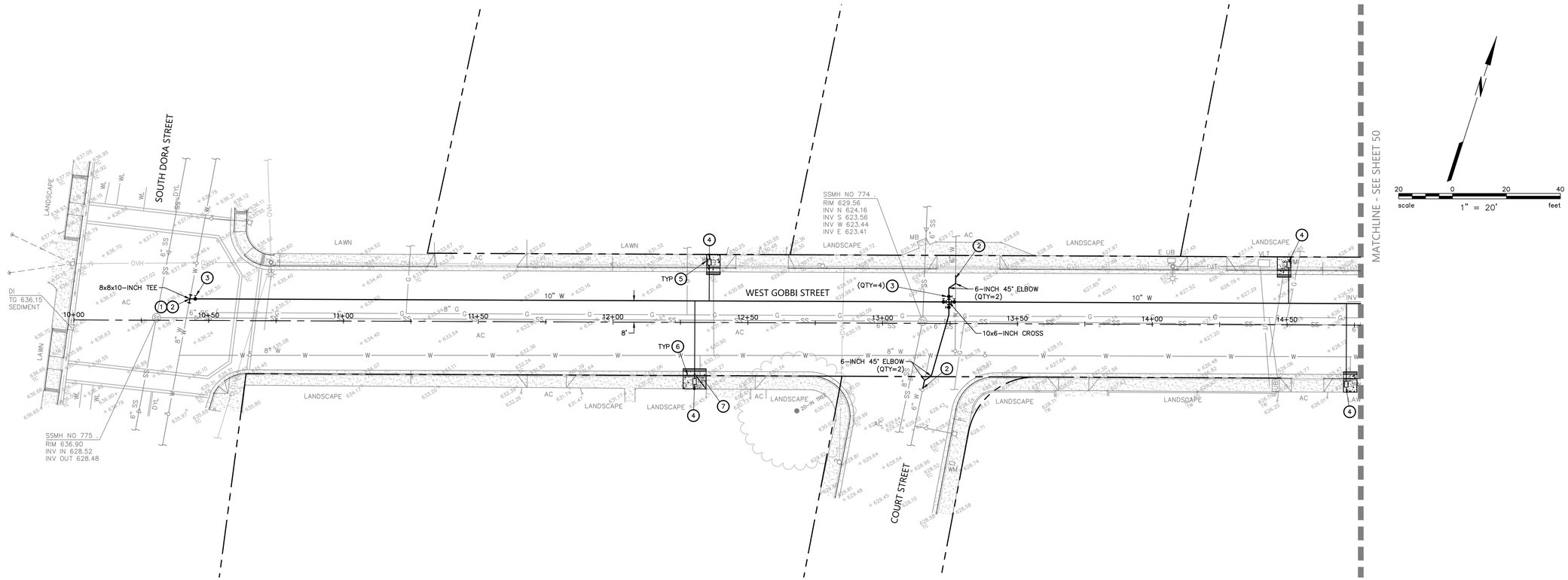

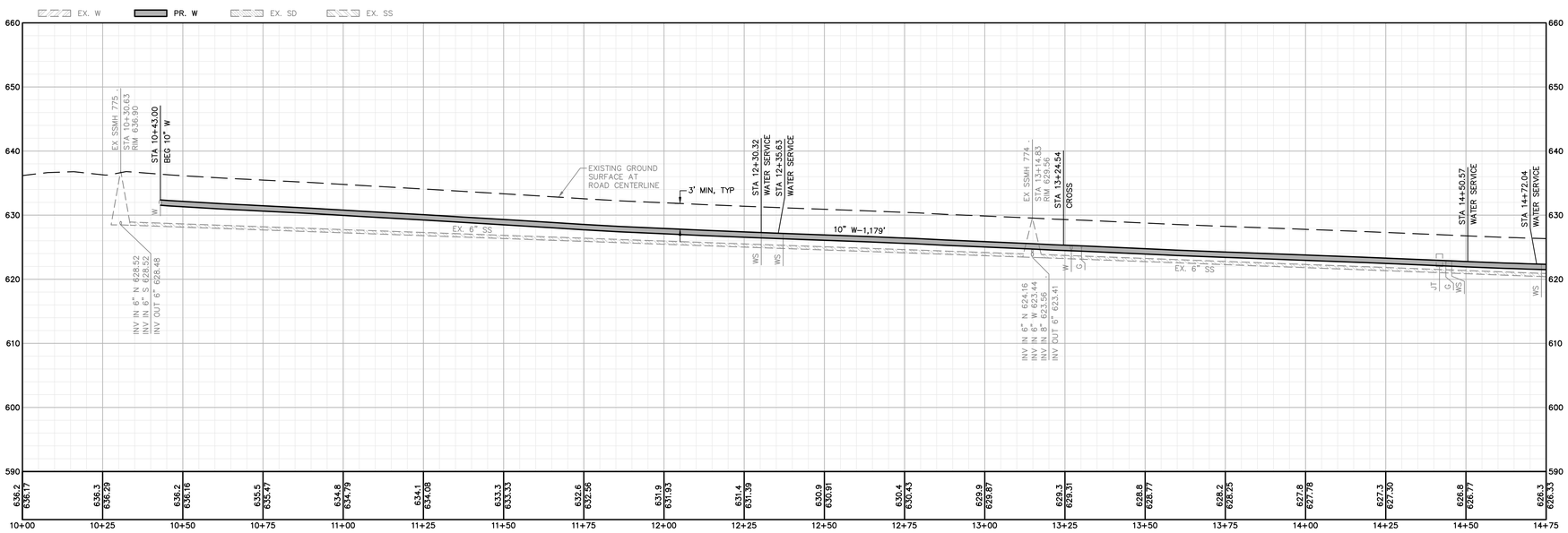

STA 10+00.00 – STA 14+75.00

H: 1"=20'
V: 1"=10'

KEYNOTES:

1. CONTACT THE CITY OF UKIAH PUBLIC WORKS DEPARTMENT TO SCHEDULE A CUT IN 8x8x10-INCH TEE BY CITY FORCES.
2. CONNECT TO EXISTING UTILITY IN A MANNER WHICH PROVIDES A PERMANENT WATER TIGHT SEAL.
3. GATE VALVE AND VALVE BOX IN ACCORDANCE WITH CITY OF UKIAH STANDARD DRAWING NO. 305.
4. 1-INCH WATER SERVICE WITH ¾-INCH WATER METER IN ACCORDANCE WITH CITY OF UKIAH STANDARD DRAWING NO. 301. PROVIDE NON-TRAFFIC RATED COVER WITH IRON READER LID.
5. CONFORM TO EXISTING SURFACE ELEVATION IN A MANNER WHICH GENERATES A UNIFORM TRANSITION BETWEEN SURFACES AND DOES NOT IMPEDE DRAINAGE.
6. CURB, GUTTER, AND SIDEWALK IN ACCORDANCE WITH CITY OF UKIAH STANDARD DRAWING NO. 102.
7. DRIVEWAY SECTION IN ACCORDANCE WITH CITY OF UKIAH STANDARD DRAWING NO. 102.

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GOBBI STREET UTILITY REPLACEMENT
CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

PHASE 1

UTILITY PLAN AND PROFILE

No.	Revisions

Date: OCT 2023
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Job No: 20210758

Drawing Number:

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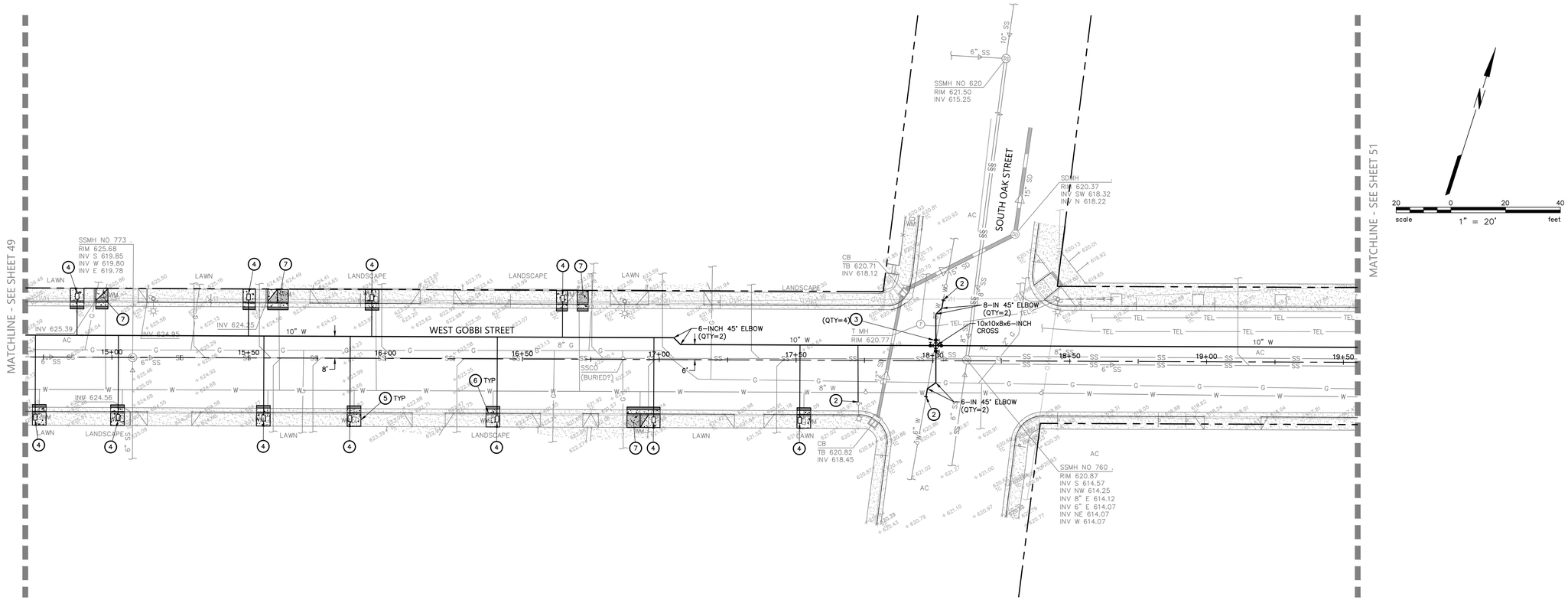

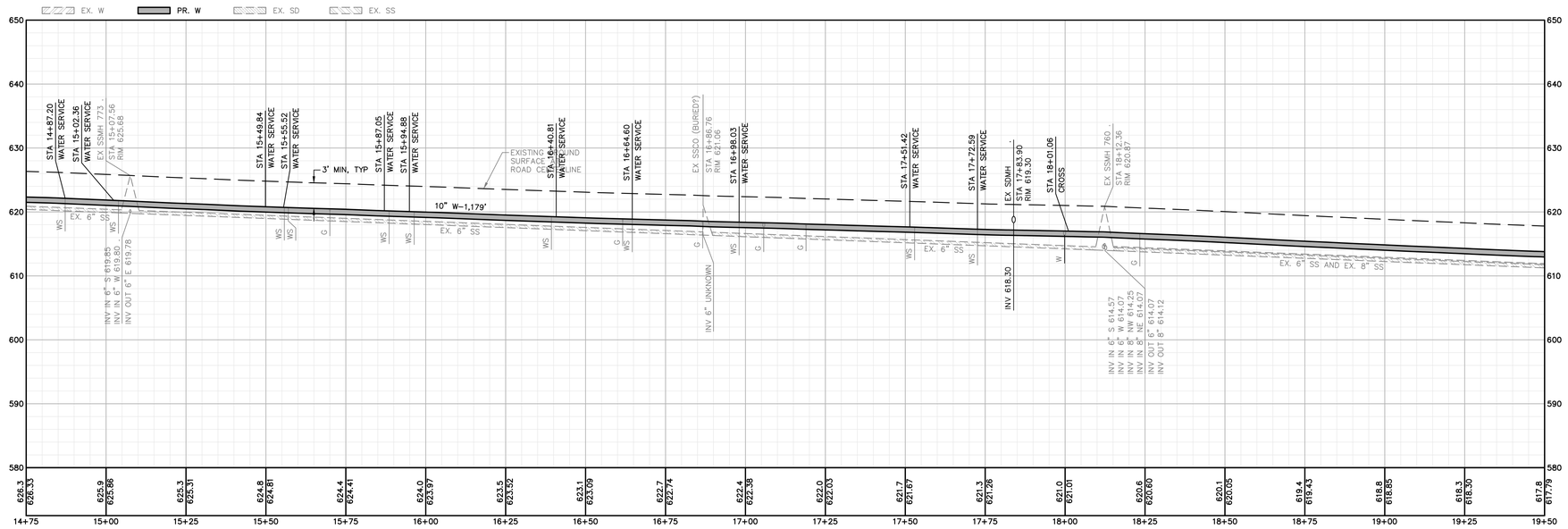

STA 14+75.00 – STA 19+50.00

H: 1"=20'
V: 1"=10'

KEYNOTES:

(2) CONNECT TO EXISTING UTILITY IN A MANNER WHICH PROVIDES A PERMANENT WATER TIGHT SEAL.

(3) GATE VALVE AND VALVE BOX IN ACCORDANCE WITH CITY OF UKIAH STANDARD DRAWING NO. 305.

(4) 1-INCH WATER SERVICE WITH ¾-INCH WATER METER IN ACCORDANCE WITH CITY OF UKIAH STANDARD DRAWING NO. 301. PROVIDE NON-TRAFFIC RATED COVER WITH IRON READER LID.

(5) CONFORM TO EXISTING SURFACE ELEVATION IN A MANNER WHICH GENERATES A UNIFORM TRANSITION BETWEEN SURFACES AND DOES NOT IMPEDE DRAINAGE.

(6) CURB, GUTTER, AND SIDEWALK IN ACCORDANCE WITH CITY OF UKIAH STANDARD DRAWING NO. 102.

(7) DRIVEWAY SECTION IN ACCORDANCE WITH CITY OF UKIAH STANDARD DRAWING NO. 102.

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GOBBI STREET UTILITY REPLACEMENT
CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

PHASE 1

UTILITY PLAN AND PROFILE

No.	Revisions

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Drawing Number:

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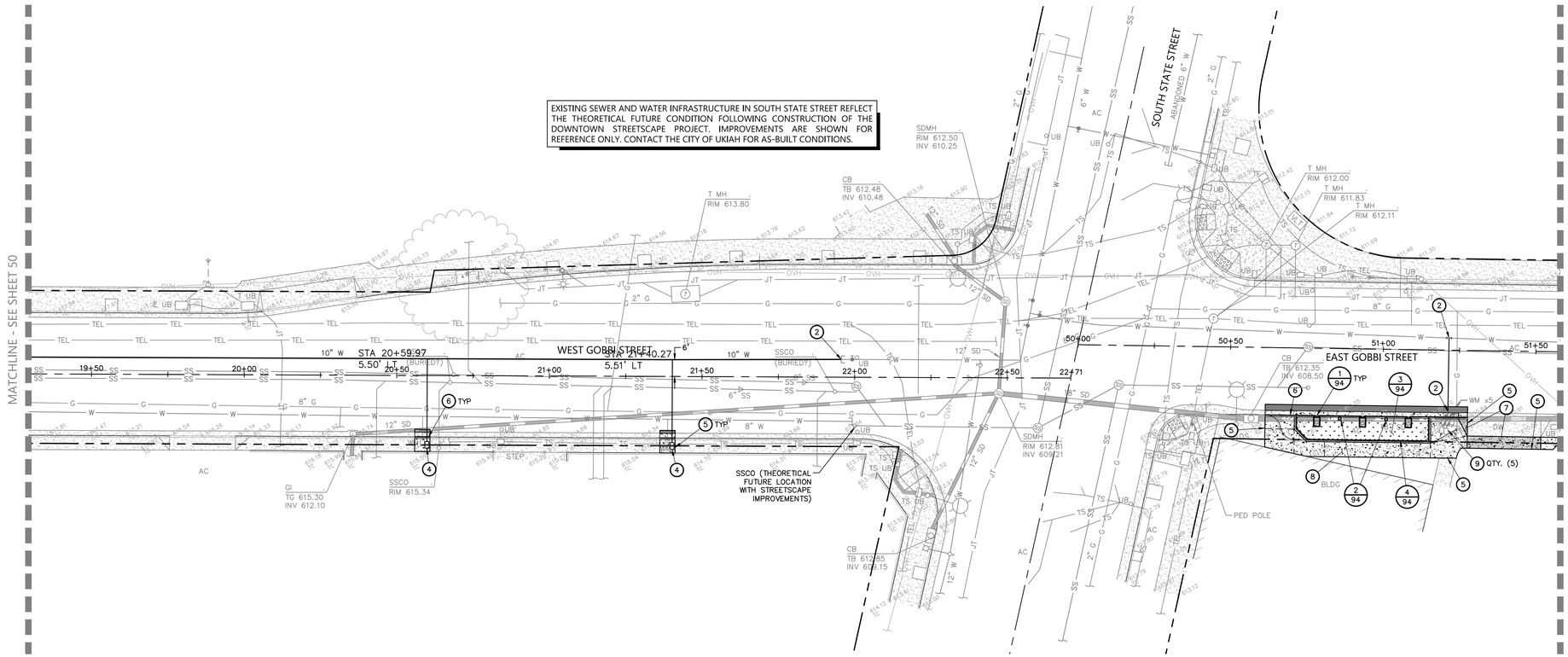
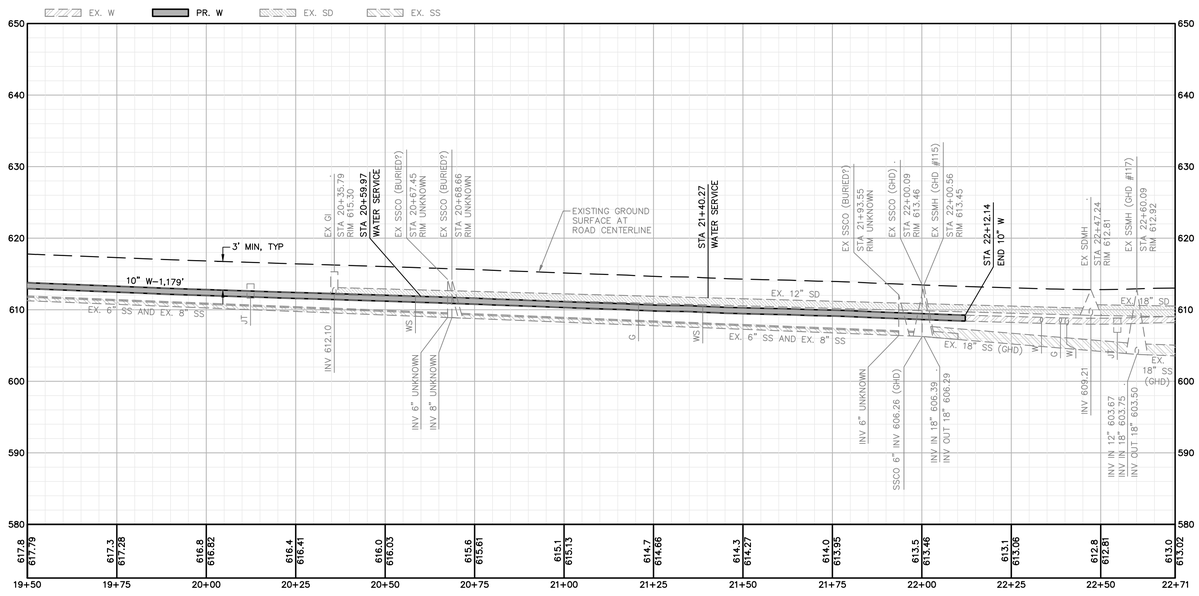
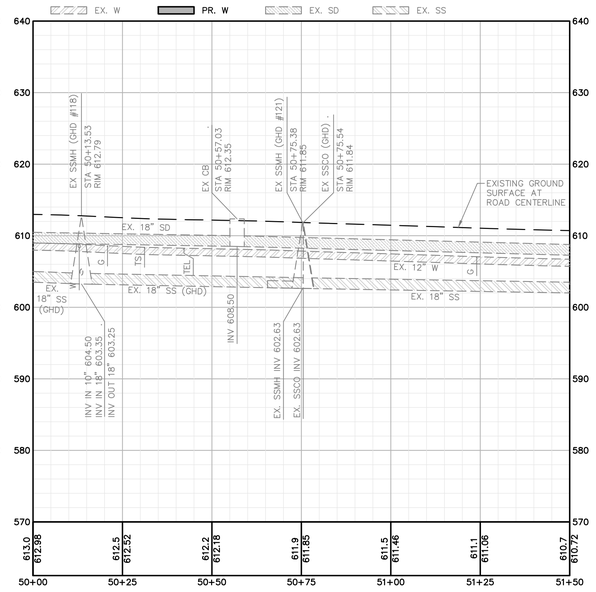
EXISTING SEWER AND WATER INFRASTRUCTURE IN SOUTH STATE STREET REFLECT THE THEORETICAL FUTURE CONDITION FOLLOWING CONSTRUCTION OF THE DOWNTOWN STREETSCAPE PROJECT. IMPROVEMENTS ARE SHOWN FOR REFERENCE ONLY. CONTACT THE CITY OF UKIAH FOR AS-BUILT CONDITIONS.





STA 19+50.00 – STA 22+70.79

H: 1"=20'
V: 1"=10'



STA 50+00.00 – STA 51+50.00

H: 1"=20'
V: 1"=10'

KEYNOTES:

(2) CONNECT TO EXISTING UTILITY IN A MANNER WHICH PROVIDES A PERMANENT WATER TIGHT SEAL.

(4) 1-INCH WATER SERVICE WITH ¾-INCH WATER METER IN ACCORDANCE WITH CITY OF UKIAH STANDARD DRAWING NO. 301. PROVIDE NON-TRAFFIC RATED COVER WITH IRON READER LID.

(5) CONFORM TO EXISTING SURFACE ELEVATION IN A MANNER WHICH GENERATES A UNIFORM TRANSITION BETWEEN SURFACES AND DOES NOT IMPEDE DRAINAGE.

(6) CURB, GUTTER, AND SIDEWALK IN ACCORDANCE WITH CITY OF UKIAH STANDARD DRAWING NO. 102.

(8) CONCRETE SIDEWALK IN ACCORDANCE WITH CITY OF UKIAH STANDARD DRAWING NO. 102.

(9) ADJUST EXISTING UTILITY TO FINISHED GROUND SURFACE ELEVATION.

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CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

PHASE 1

UTILITY PLAN AND PROFILE

No.	Revisions

Date: OCT 2023
Scale: AS SHOWN
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Drawn: BTL
Approved: BD
Job No: 20210758

Drawing Number:

51 OF 143

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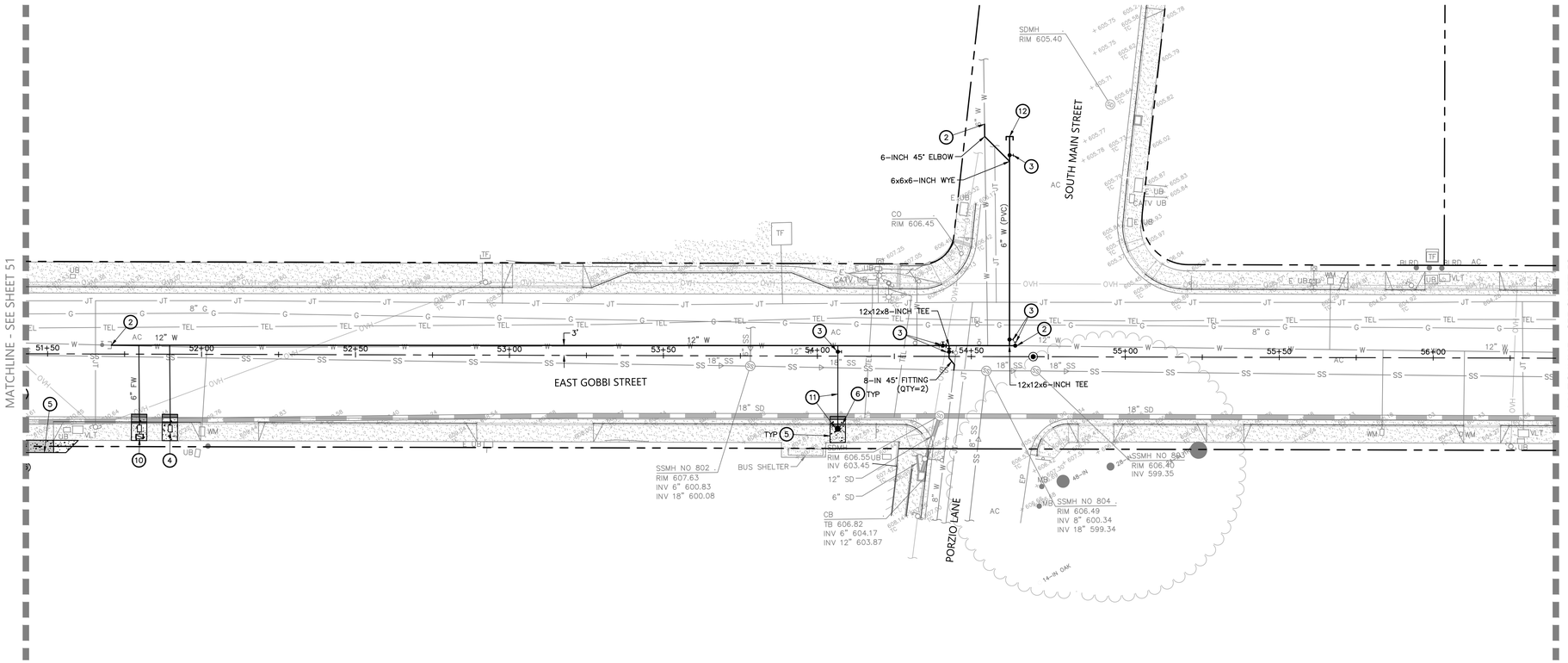

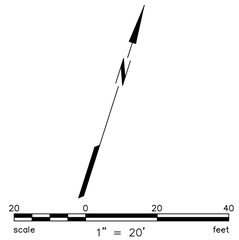

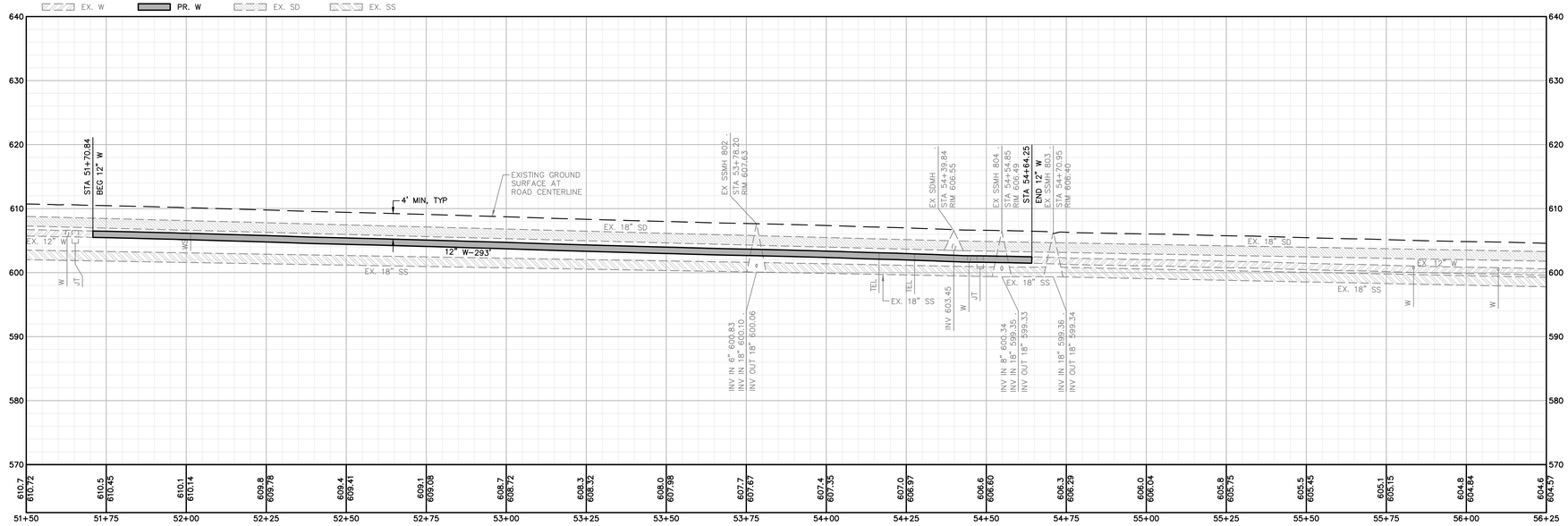

STA 51+50.00 – STA 56+25.00

H: 1"=20'
V: 1"=10'

KEYNOTES:

(2) CONNECT TO EXISTING UTILITY IN A MANNER WHICH PROVIDES A PERMANENT WATER TIGHT SEAL.

(3) GATE VALVE AND VALVE BOX IN ACCORDANCE WITH CITY OF UKIAH STANDARD DRAWING NO. 305.

(4) 1-INCH WATER SERVICE WITH ¾-INCH WATER METER IN ACCORDANCE WITH CITY OF UKIAH STANDARD DRAWING NO. 301. PROVIDE NON-TRAFFIC RATED COVER WITH IRON READER LID.

(5) CONFORM TO EXISTING SURFACE ELEVATION IN A MANNER WHICH GENERATES A UNIFORM TRANSITION BETWEEN SURFACES AND DOES NOT IMPEDE DRAINAGE.

(6) CURB, GUTTER, AND SIDEWALK IN ACCORDANCE WITH CITY OF UKIAH STANDARD DRAWING NO. 102.

(10) INSTALL 6-INCH FIRE WATER SERVICE, METER, AND UNDERGROUND VAULT SIZED FOR FUTURE 6-INCH DOUBLE CHECK VALVE ASSEMBLY ACCORDANCE WITH CITY OF UKIAH STANDARD DRAWING NO. 383. CAP WATER SERVICE IN CHECK VALVE VAULT.

(11) FIRE HYDRANT AND LATERAL IN ACCORDANCE WITH CITY OF UKIAH STANDARD DRAWING NO. 305.

(12) INSTALL 6-INCH BLIND FLANGE.

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REBECCA DOWER C 80868

10/20/2023

REGISTERED PROFESSIONAL ENGINEER REBECCA DOWER No. C 80868 CIVIL STATE OF CALIFORNIA

URBAN CORE REHABILITATION

GOBBI STREET UTILITY REPLACEMENT
CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

PHASE 1

UTILITY PLAN AND PROFILE

No.	Revisions

Date: OCT 2023
Scale: AS SHOWN
Design: BD
Drawn: BTL
Approved: BD
Job No: 20210758

Drawing Number:

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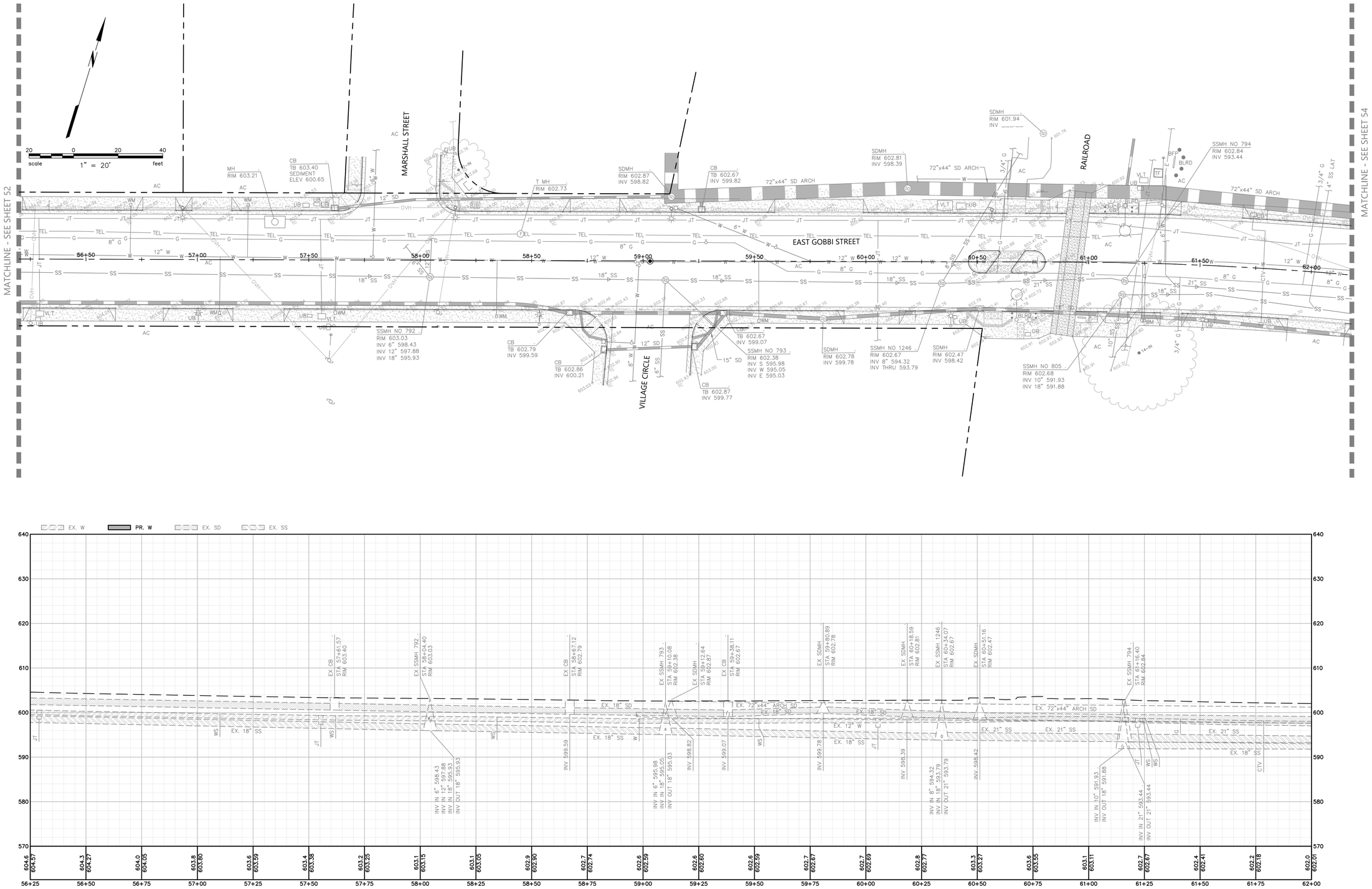
Plot Oct 19, 2023 at 3:55pm



STA 56+25.00 – STA 62+00.00

H: 1"=20'
V: 1"=10'

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Plot Oct 19, 2023 at 3:36pm

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REGISTERED PROFESSIONAL ENGINEER
REBECCA DOWER
No. C 80868
CIVIL
STATE OF CALIFORNIA

REBECCA DOWER
10/20/2023
C 80868

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PHASE 1

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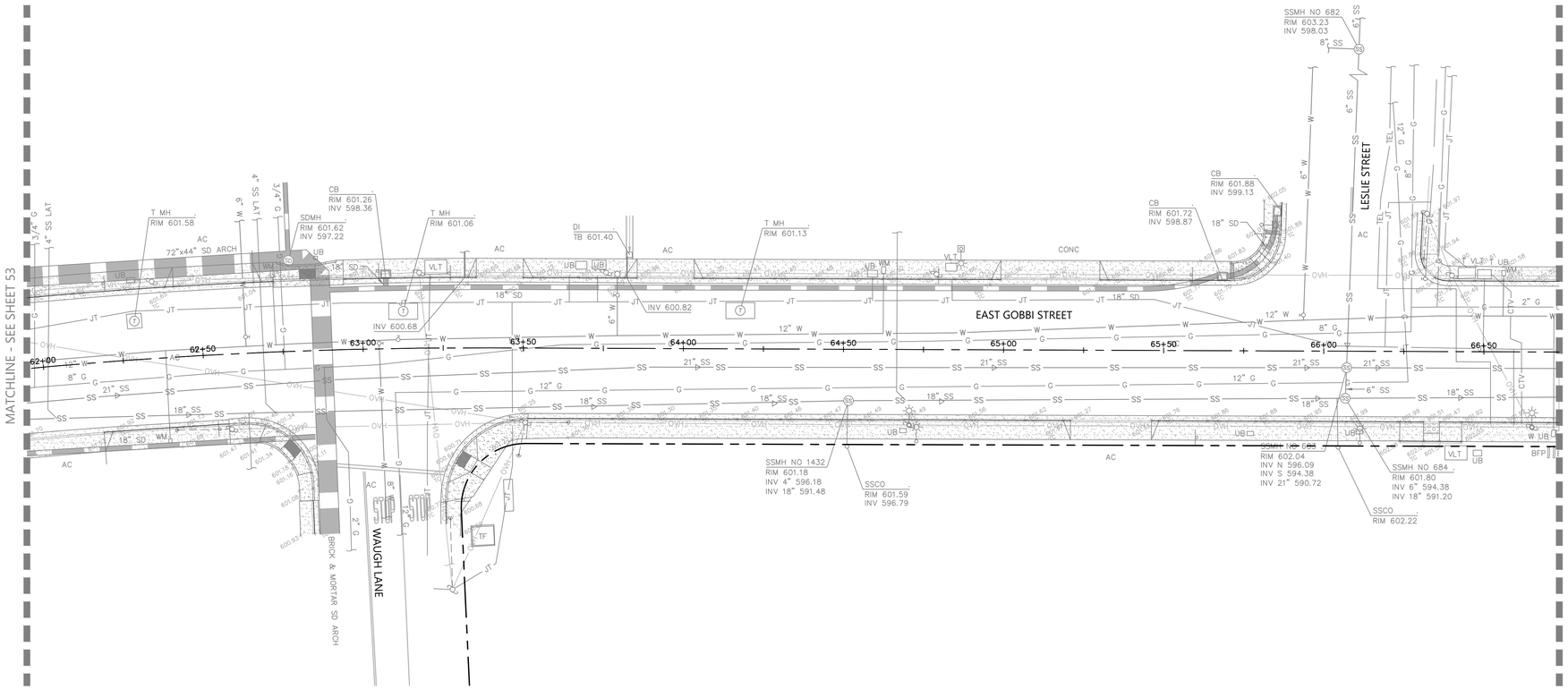

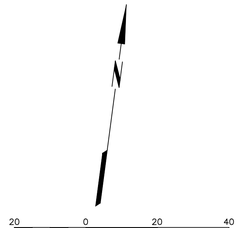

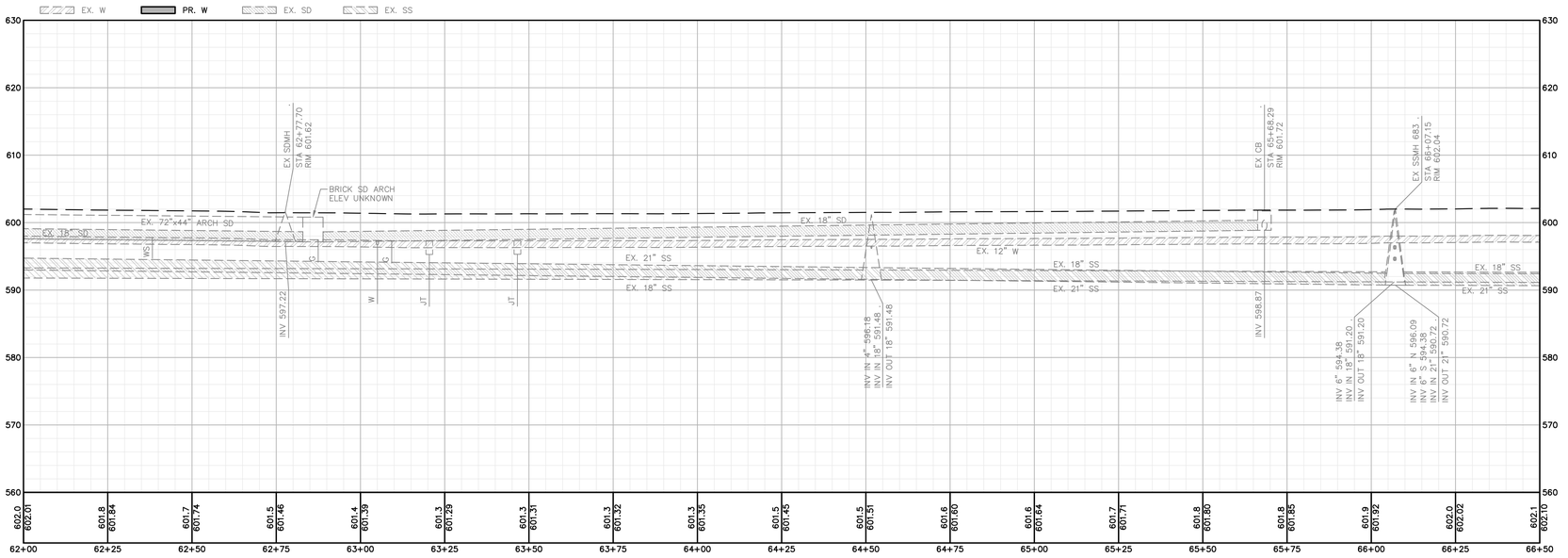

STA 62+00.00 – STA 66+50.00

H: 1"=20'
V: 1"=10'

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REBECCA DOWER C 80868

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PHASE 1

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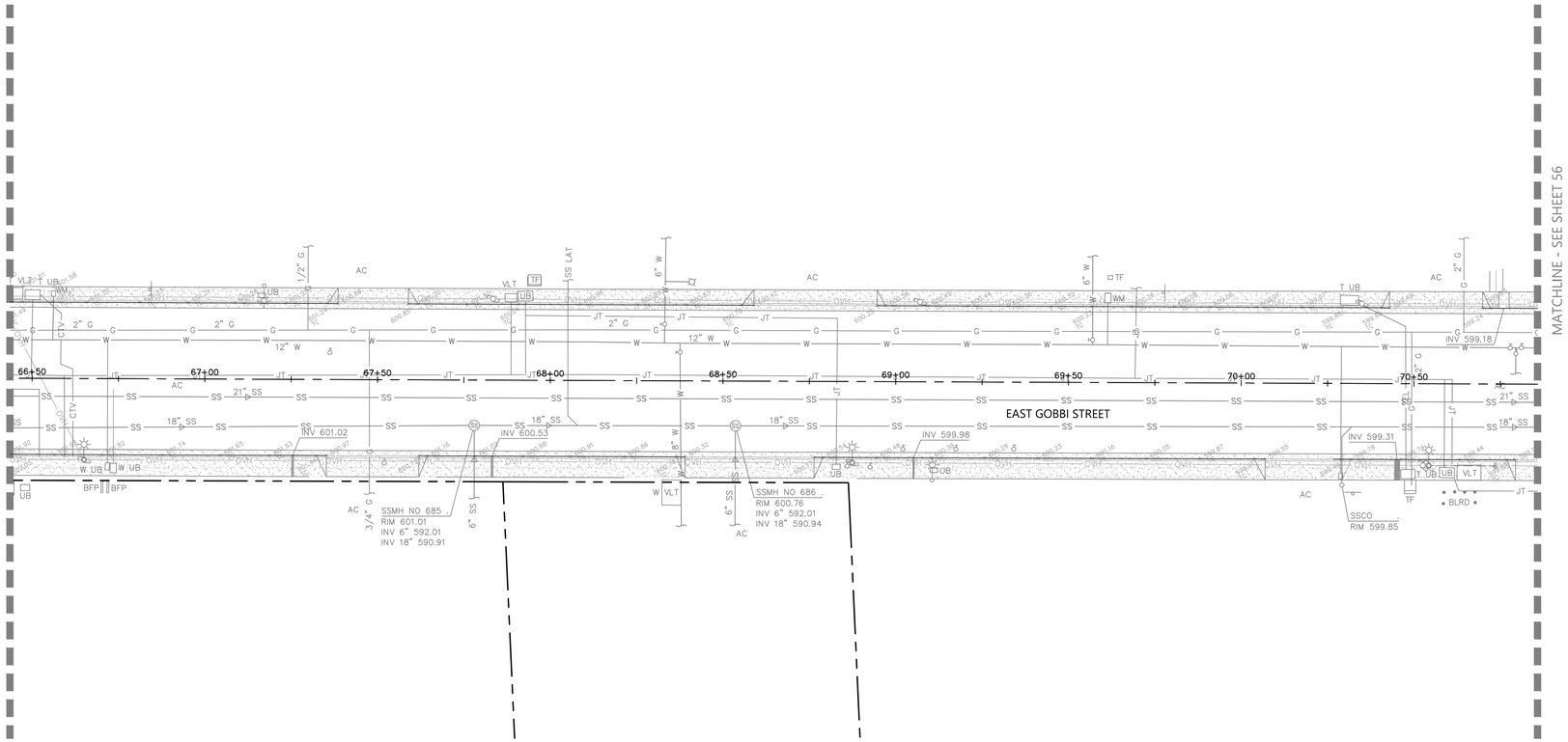
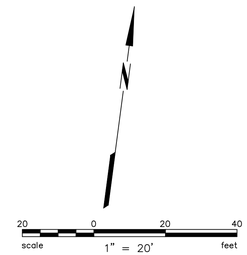
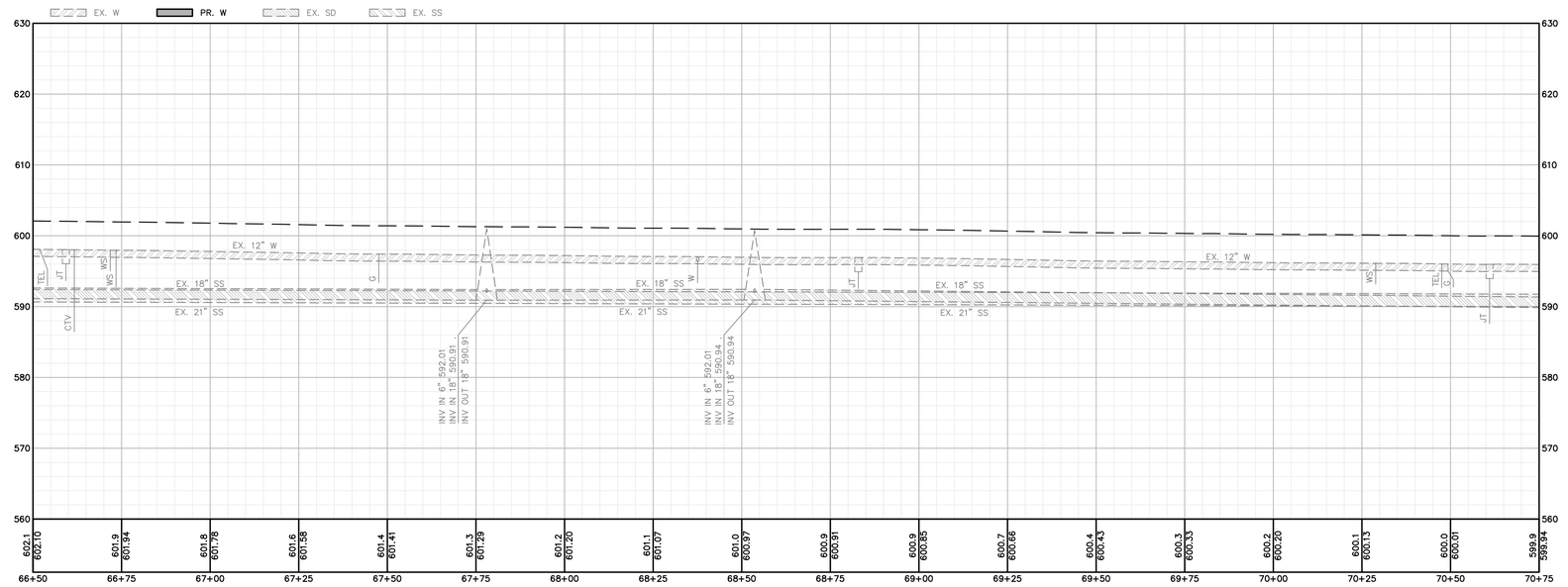
Plot: Oct 19, 2023 at 3:39pm







STA 66+50.00 – STA 70+75.00

H: 1"=20'
V: 1"=10'

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10/20/2023

REBECCA DOWER C 80868

URBAN CORE REHABILITATION
GOBBI STREET UTILITY REPLACEMENT
CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

PHASE 1

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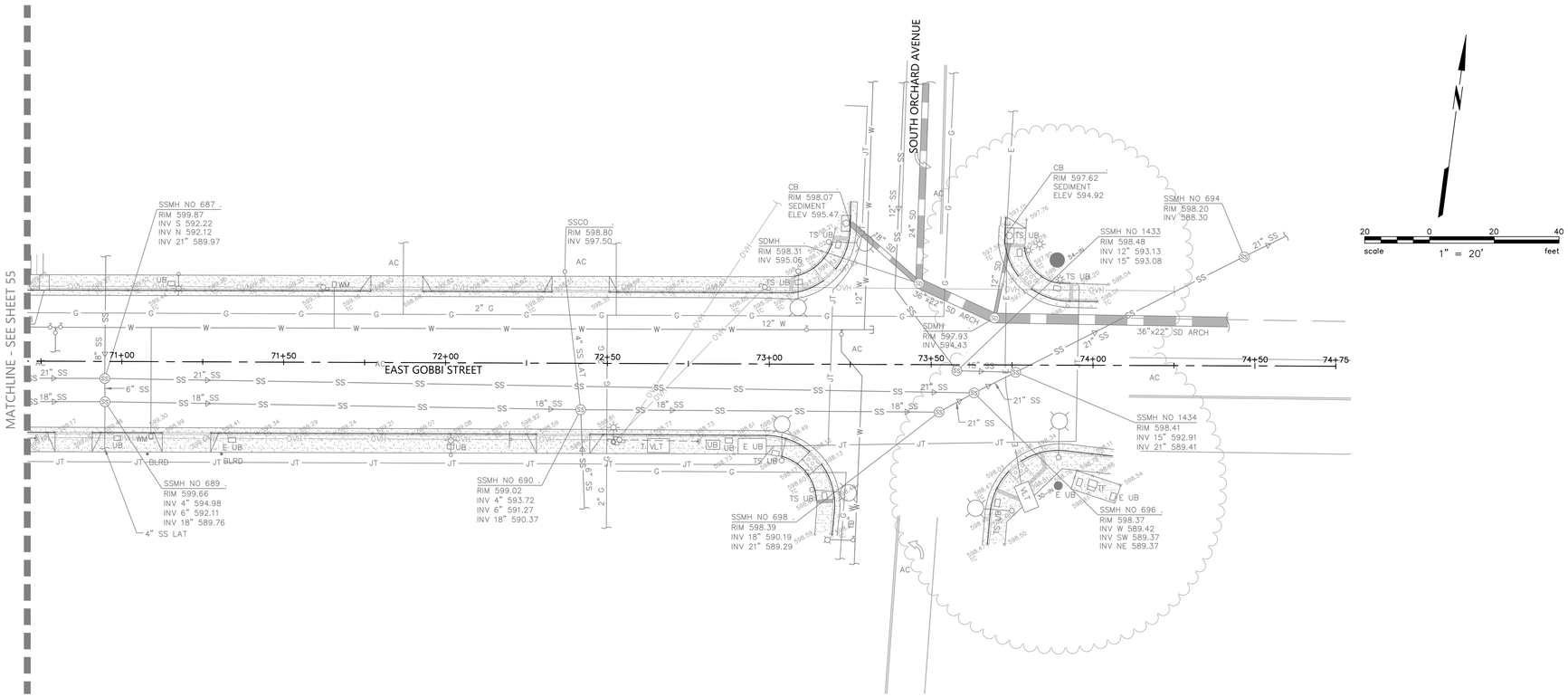
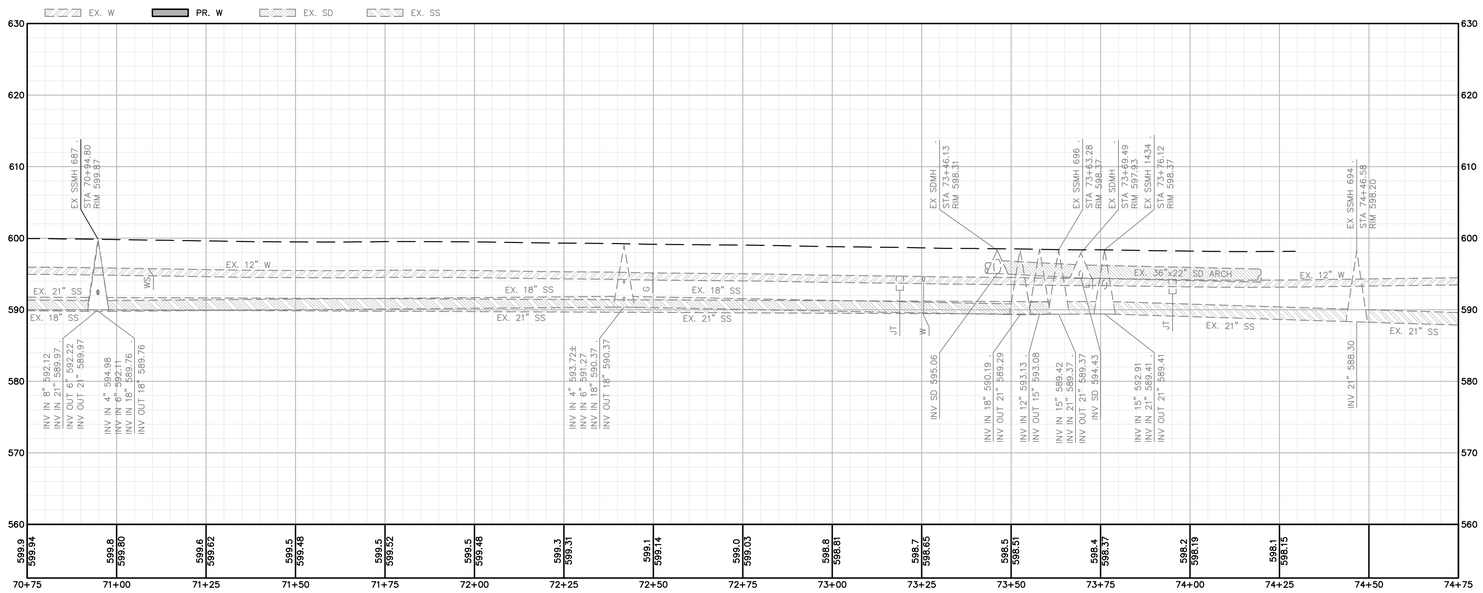
Plot Oct 19, 2023 at 3:37pm





STA 70+75.00 – STA 74+75.00

H: 1"=20'
V: 1"=10'

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10/20/2023

REBECCA DOWER C 80868

URBAN CORE REHABILITATION
GOBBI STREET UTILITY REPLACEMENT
CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

PHASE 1

UTILITY PLAN AND PROFILE

No.	Revisions

Date: OCT 2023
Scale: AS SHOWN
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Approved: BD
Job No: 20210758

Drawing Number:

Plot Oct 19, 2023 at 3:38pm
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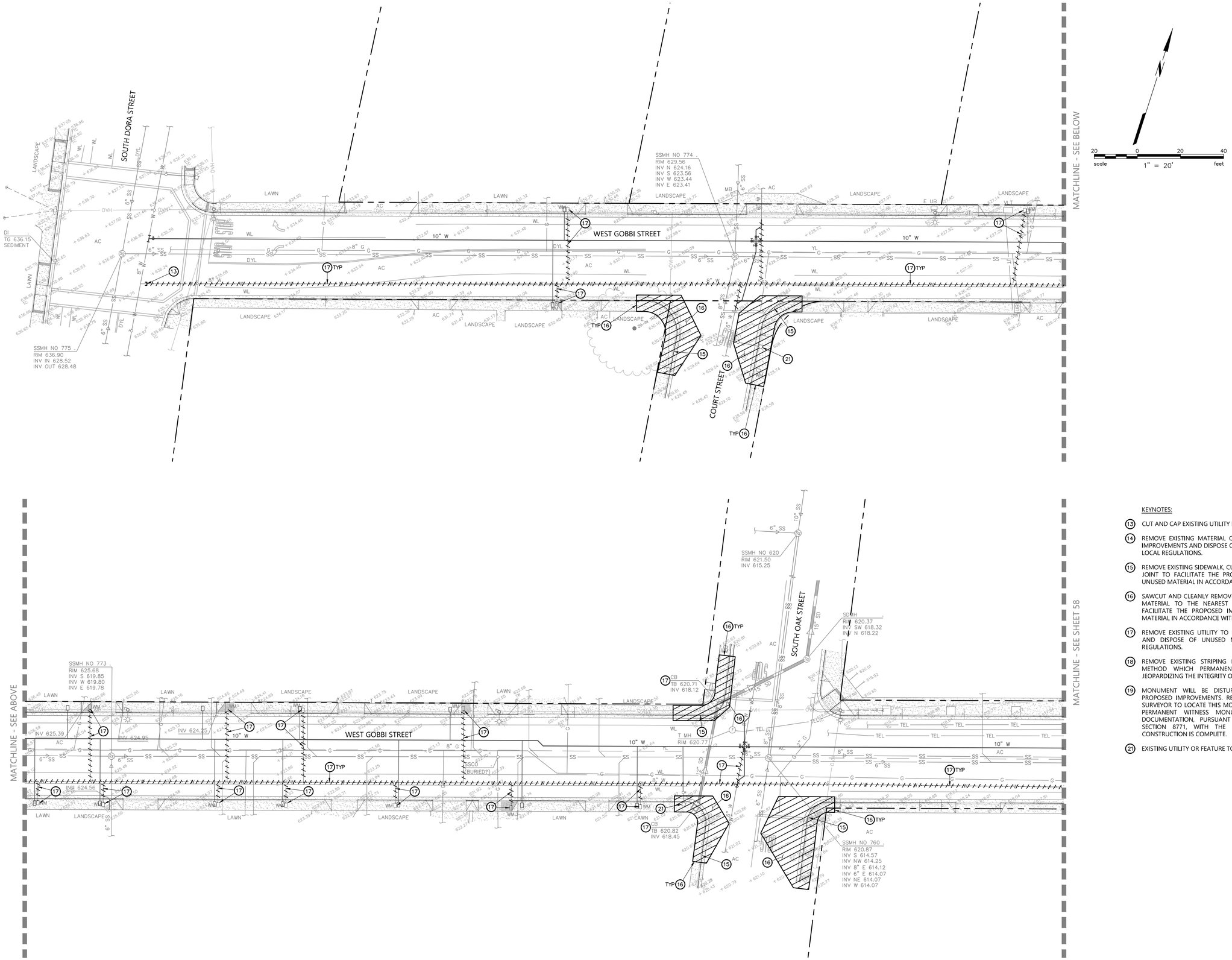

20 0 20 40
scale 1" = 20' feet

KEYNOTES:

13. CUT AND CAP EXISTING UTILITY IN ACCORDANCE WITH LOCAL REGULATIONS.
14. REMOVE EXISTING MATERIAL OR FEATURE TO FACILITATE THE PROPOSED IMPROVEMENTS AND DISPOSE OF UNUSED MATERIAL IN ACCORDANCE WITH LOCAL REGULATIONS.
15. REMOVE EXISTING SIDEWALK, CURB AND GUTTER TO THE NEAREST CONTROL JOINT TO FACILITATE THE PROPOSED IMPROVEMENTS AND DISPOSE OF UNUSED MATERIAL IN ACCORDANCE WITH LOCAL REGULATIONS.
16. SAWCUT AND CLEANLY REMOVE EXISTING MATERIAL, OR REMOVE EXISTING MATERIAL TO THE NEAREST CONTROL JOINT WHERE APPLICABLE, TO FACILITATE THE PROPOSED IMPROVEMENTS AND DISPOSE OF UNUSED MATERIAL IN ACCORDANCE WITH LOCAL REGULATIONS.
17. REMOVE EXISTING UTILITY TO FACILITATE THE PROPOSED IMPROVEMENTS AND DISPOSE OF UNUSED MATERIAL IN ACCORDANCE WITH LOCAL REGULATIONS.
18. REMOVE EXISTING STRIPING BY SAND BLASTING OR AN EQUIVALENT METHOD WHICH PERMANENTLY REMOVES THE STRIPING WITHOUT JEOPARDIZING THE INTEGRITY OF THE EXISTING PAVEMENT.
19. MONUMENT WILL BE DISTURBED OR REMOVED TO FACILITATE THE PROPOSED IMPROVEMENTS. RETAIN THE SERVICES OF A LICENSED LAND SURVEYOR TO LOCATE THIS MONUMENT PRIOR TO DISTURBANCE, PROVIDE PERMANENT WITNESS MONUMENT(S) AND FILE THE APPROPRIATE DOCUMENTATION, PURSUANT TO BUSINESS AND PROFESSIONS CODE SECTION 8771, WITH THE MENDOCINO COUNTY RECORDER ONCE CONSTRUCTION IS COMPLETE.
21. EXISTING UTILITY OR FEATURE TO REMAIN. PROTECT IN PLACE.

REGISTERED PROFESSIONAL ENGINEER REBECCA DOWER No. C 80868 CIVIL STATE OF CALIFORNIA

10/20/2023

REBECCA DOWER C 80868

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URBAN CORE REHABILITATION

GOBBI STREET UTILITY REPLACEMENT
CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

PHASE 1 DEMOLITION PLAN

No.	Revisions

Date: OCT 2023
Scale: AS SHOWN
Design: BD
Drawn: BTL
Approved: BD
Job No: 20210758

Drawing Number:

Plot Oct 17, 2023 at 6:07pm
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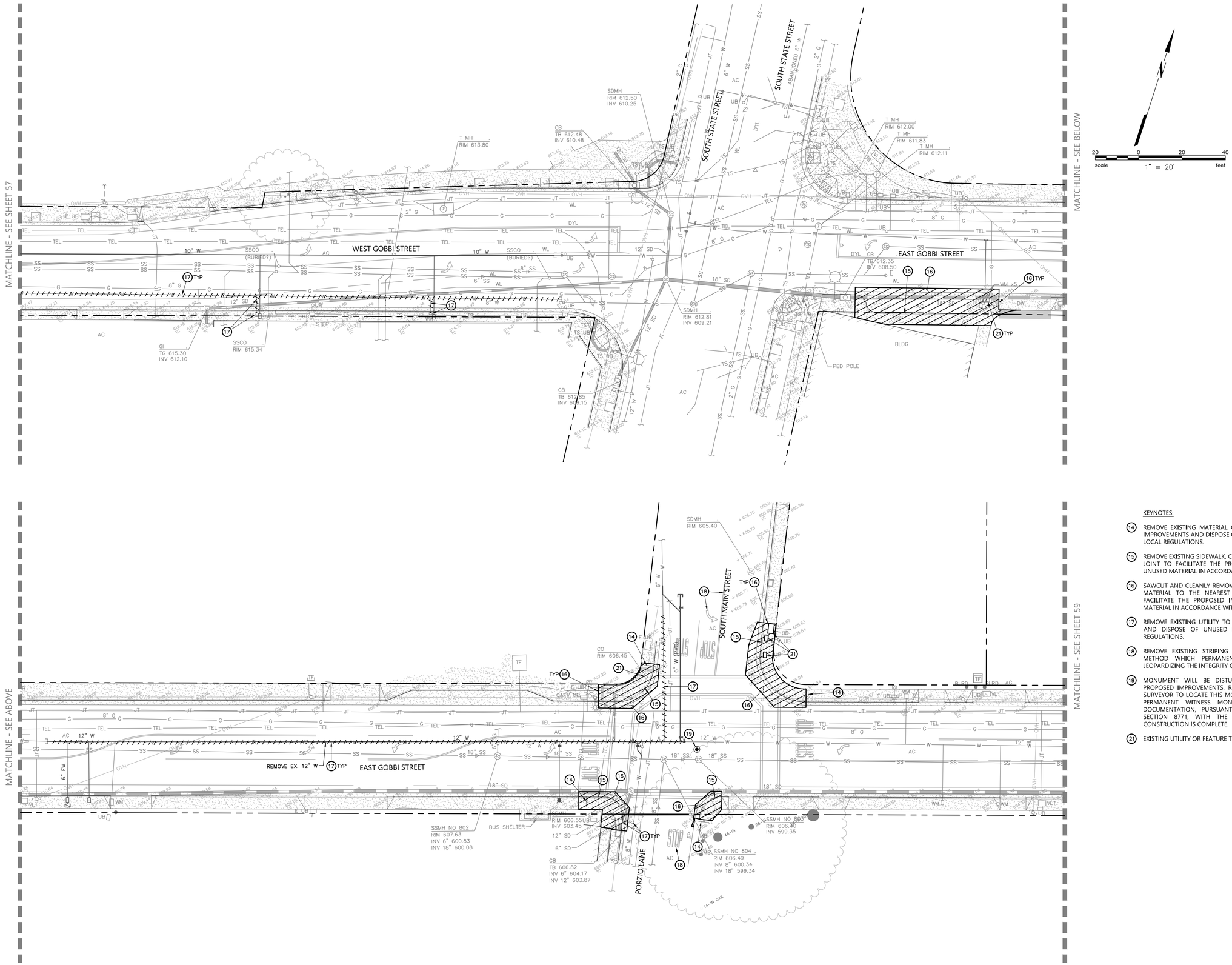

KEYNOTES:

(14) REMOVE EXISTING MATERIAL OR FEATURE TO FACILITATE THE PROPOSED IMPROVEMENTS AND DISPOSE OF UNUSED MATERIAL IN ACCORDANCE WITH LOCAL REGULATIONS.

(15) REMOVE EXISTING SIDEWALK, CURB AND GUTTER TO THE NEAREST CONTROL JOINT TO FACILITATE THE PROPOSED IMPROVEMENTS AND DISPOSE OF UNUSED MATERIAL IN ACCORDANCE WITH LOCAL REGULATIONS.

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10/20/2023

C 80868

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URBAN CORE REHABILITATION
GOBBI STREET UTILITY REPLACEMENT
CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

PHASE 1 DEMOLITION PLAN

No.	Revisions

Date: OCT 2023
Scale: AS SHOWN
Design: BD
Drawn: BTL
Approved: BD
Job No: 20210758

Drawing Number:

58 OF 143

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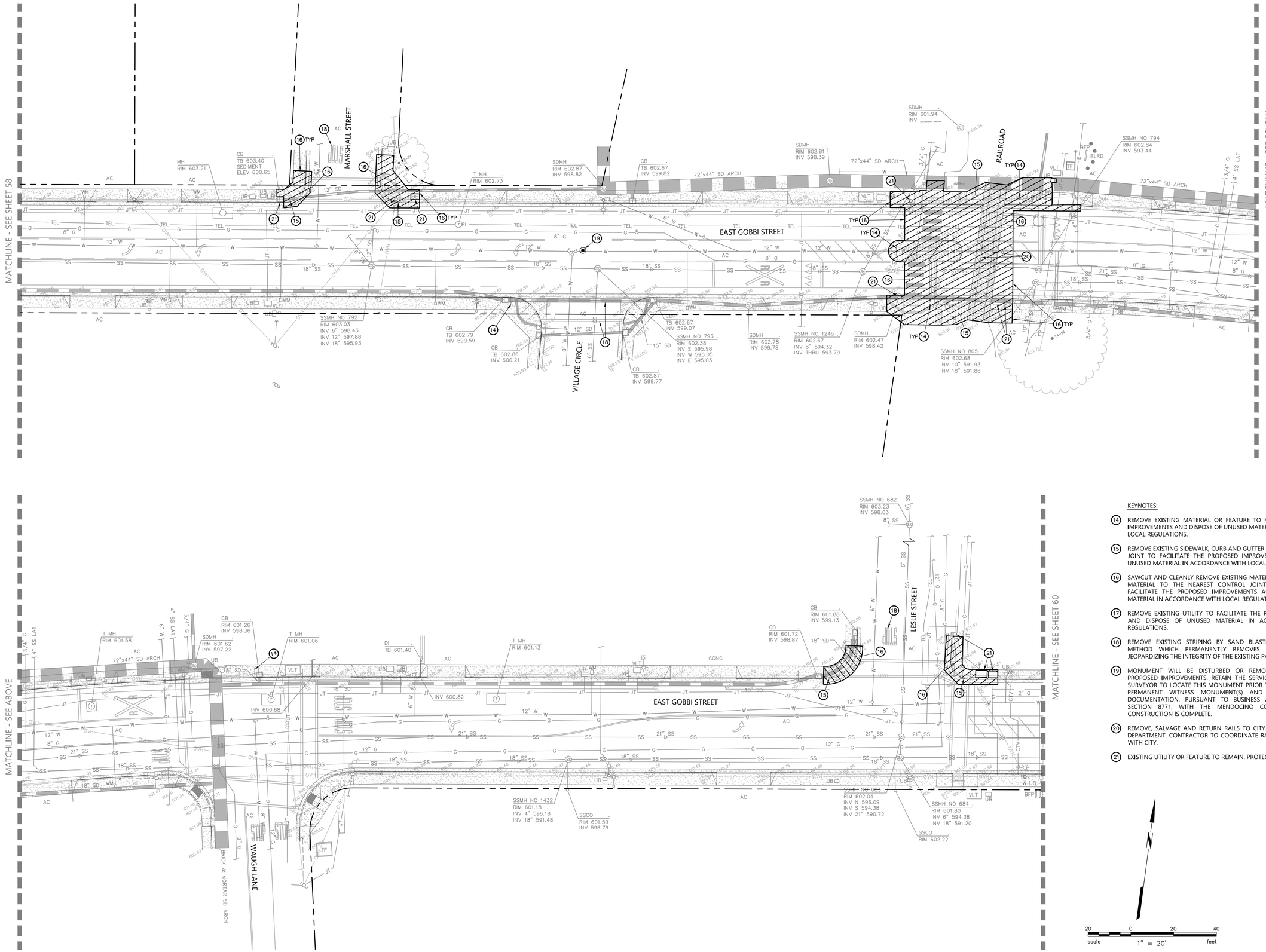
Plot: Oct 17, 2023 at 4:08pm



KEYNOTES:

(14) REMOVE EXISTING MATERIAL OR FEATURE TO FACILITATE THE PROPOSED IMPROVEMENTS AND DISPOSE OF UNUSED MATERIAL IN ACCORDANCE WITH LOCAL REGULATIONS.

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(20) REMOVE, SALVAGE AND RETURN RAILS TO CITY OF UKIAH PUBLIC WORKS DEPARTMENT. CONTRACTOR TO COORDINATE RAIL REMOVAL AND RETURN WITH CITY.

(21) EXISTING UTILITY OR FEATURE TO REMAIN. PROTECT IN PLACE.

REGISTERED PROFESSIONAL ENGINEER REBECCA DOWER No. C 80868 CIVIL STATE OF CALIFORNIA

10/20/2023

C 80868

REBECCA DOWER

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URBAN CORE REHABILITATION

GOBBI STREET UTILITY REPLACEMENT
CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

PHASE 1 DEMOLITION PLAN

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Approved: BD
Job No: 20210758

Drawing Number:

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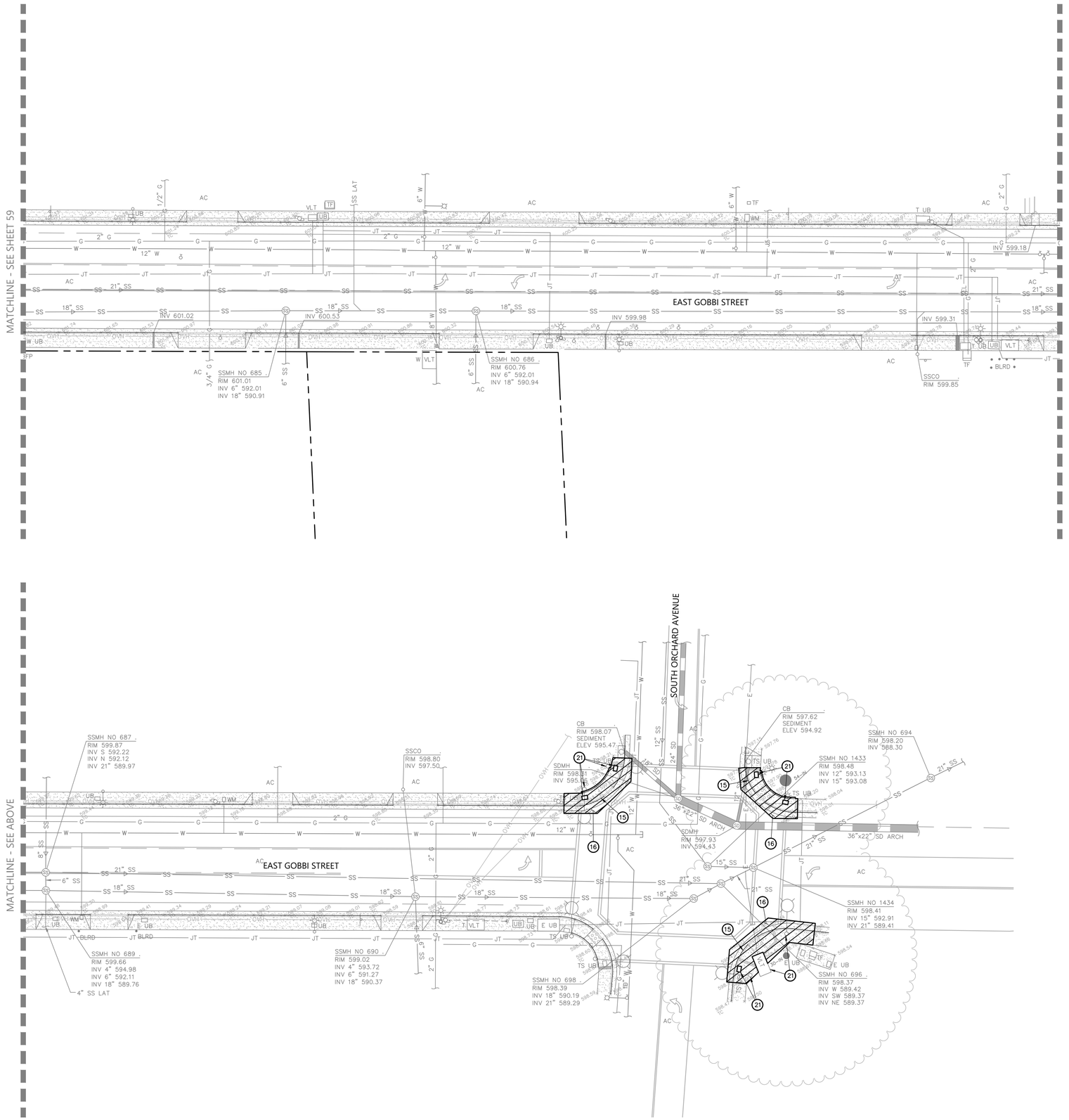
Plot: Oct 17, 2023 at 4:09pm



20 0 20 40
scale 1" = 20' feet

KEYNOTES:

(15) REMOVE EXISTING SIDEWALK, CURB AND GUTTER TO THE NEAREST CONTROL JOINT TO FACILITATE THE PROPOSED IMPROVEMENTS AND DISPOSE OF UNUSED MATERIAL IN ACCORDANCE WITH LOCAL REGULATIONS.

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60 OF 143

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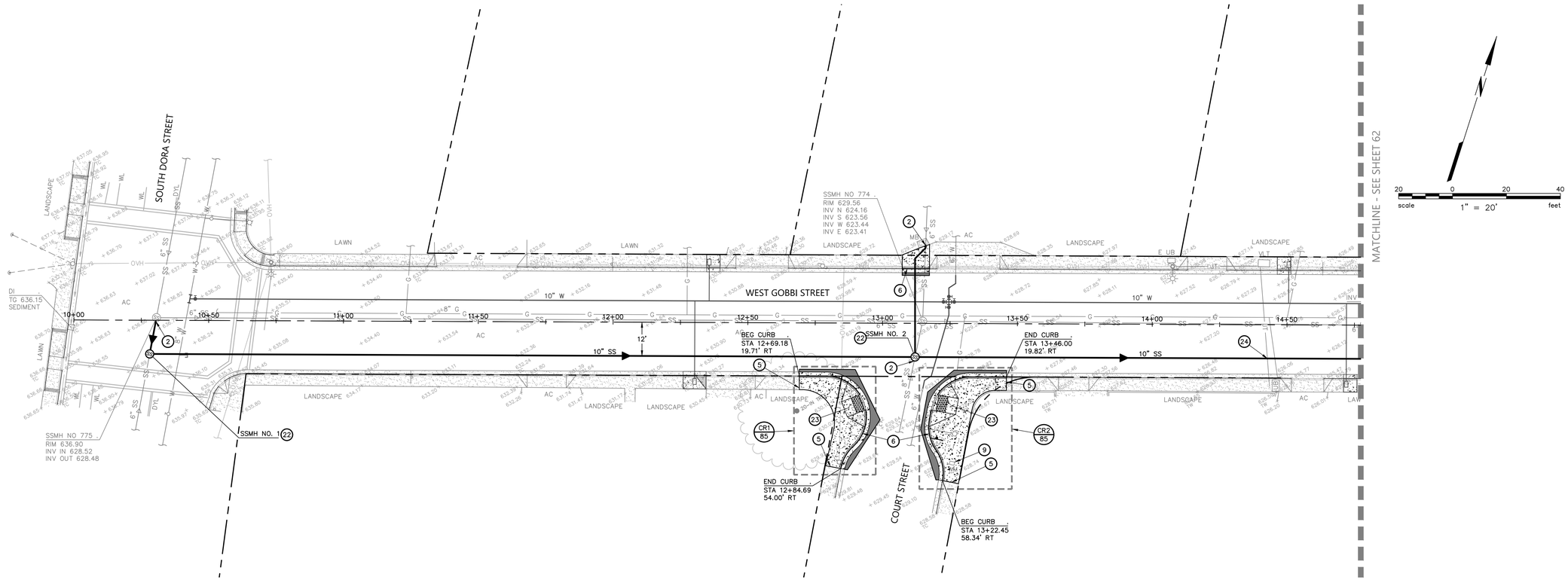

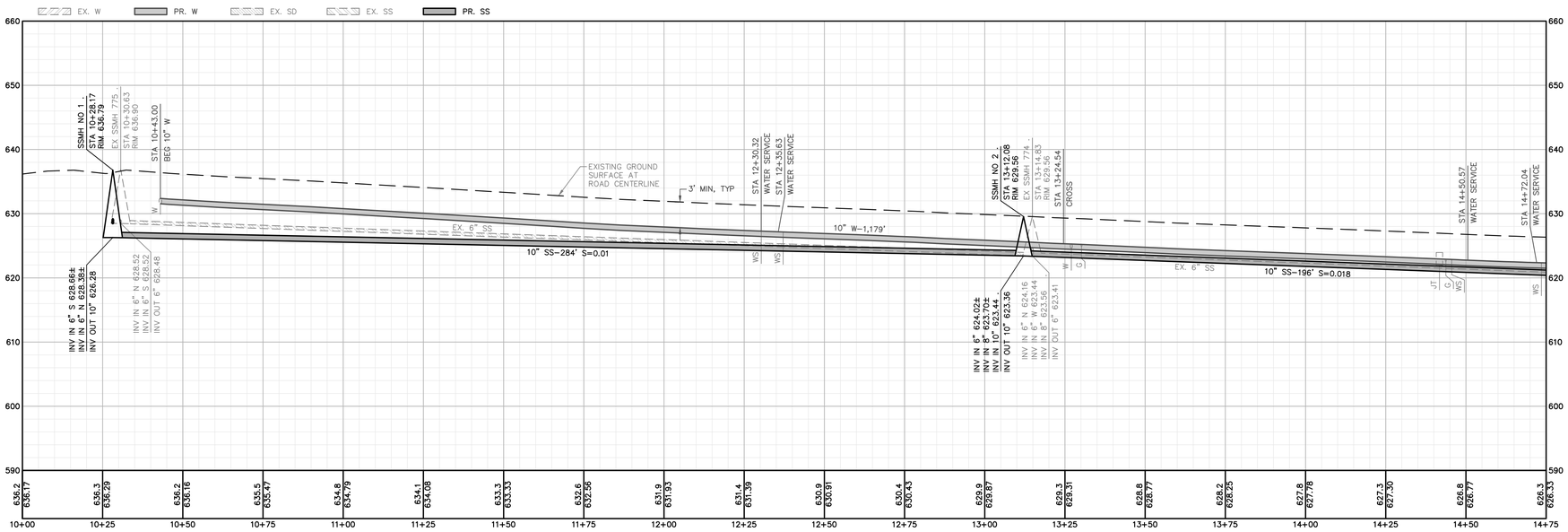

STA 10+00.00 – STA 14+75.00

H: 1"=20'
V: 1"=10'

KEYNOTES:

(2) CONNECT TO EXISTING UTILITY IN A MANNER WHICH PROVIDES A PERMANENT WATER TIGHT SEAL.

(5) CONFORM TO EXISTING SURFACE ELEVATION IN A MANNER WHICH GENERATES A UNIFORM TRANSITION BETWEEN SURFACES AND DOES NOT IMPEDE DRAINAGE.

(6) CURB, GUTTER, AND SIDEWALK IN ACCORDANCE WITH CITY OF UKIAH STANDARD DRAWING NO. 102.

(9) ADJUST EXISTING UTILITY TO FINISHED GROUND SURFACE ELEVATION.

(22) SANITARY SEWER MANHOLE WITH TRAFFIC RATED FRAME AND COVER IN ACCORDANCE WITH CITY OF UKIAH STANDARD DRAWINGS NO. 201 AND 204.

(23) CURB RAMP AND DETECTABLE WARNING SURFACE IN ACCORDANCE WITH SECTION 11B-406 OF THE 2022 CALIFORNIA BUILDING CODE.

(24) POTHOLE TO DETERMINE THE ACTUAL LOCATION, TYPE, SIZE, DEPTH AND CONFIGURATION OF THE EXISTING UTILITY AND PROVIDE THIS INFORMATION IN WRITING TO THE ENGINEER PRIOR TO PERFORMING WORK IN THIS AREA.

REGISTERED PROFESSIONAL ENGINEER
REBECCA DOWER
No. C 80868
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STATE OF CALIFORNIA

10/20/2023

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URBAN CORE REHABILITATION

GOBBI STREET UTILITY REPLACEMENT
CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

PHASE 2

UTILITY PLAN AND PROFILE

No.	Revisions

Date: OCT 2023
Scale: AS SHOWN
Design: BD
Drawn: BTL
Approved: BD
Job No: 20210758

Drawing Number:

61 OF 143

Plot Oct 19, 2023 at 3:39pm
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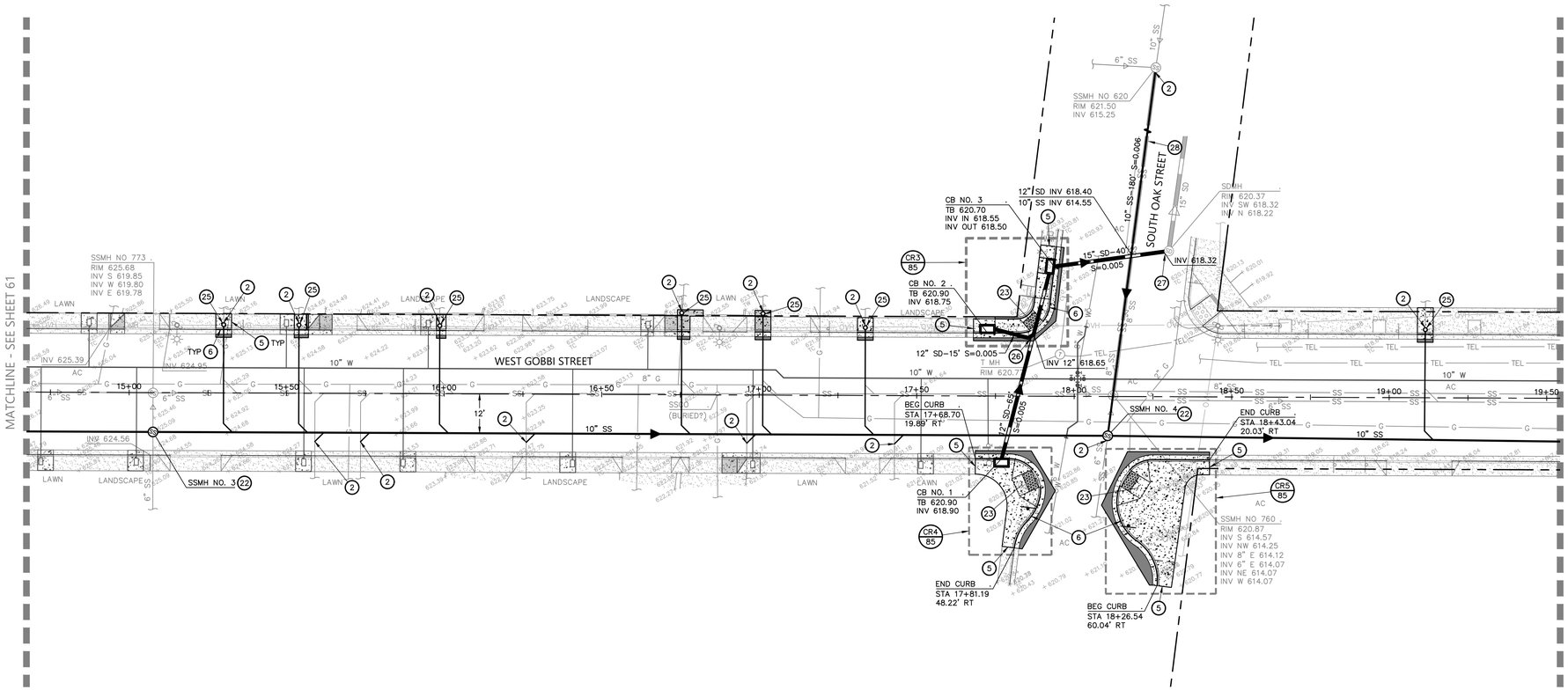

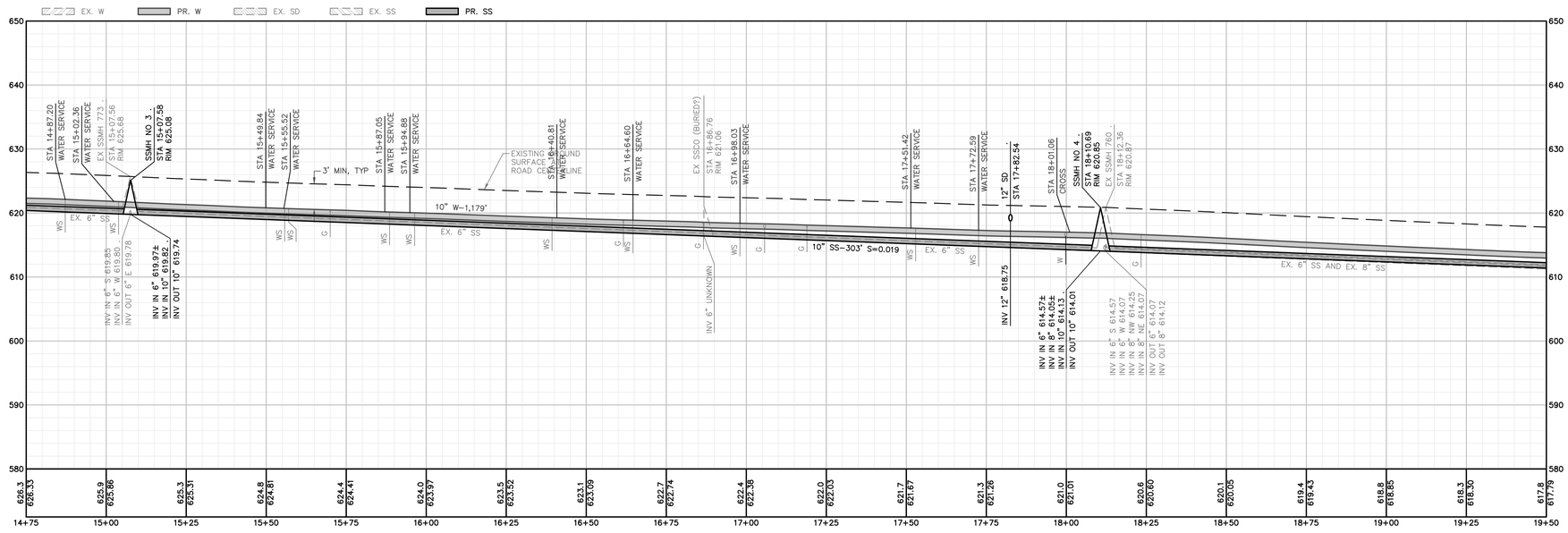

STA 14+75.00 – STA 19+50.00

H: 1"=20'
V: 1"=10'

KEYNOTES:

(2) CONNECT TO EXISTING UTILITY IN A MANNER WHICH PROVIDES A PERMANENT WATER TIGHT SEAL.

(5) CONFORM TO EXISTING SURFACE ELEVATION IN A MANNER WHICH GENERATES A UNIFORM TRANSITION BETWEEN SURFACES AND DOES NOT IMPEDE DRAINAGE.

(6) CURB, GUTTER, AND SIDEWALK IN ACCORDANCE WITH CITY OF UKIAH STANDARD DRAWING NO. 102.

(22) SANITARY SEWER MANHOLE WITH TRAFFIC RATED FRAME AND COVER IN ACCORDANCE WITH CITY OF UKIAH STANDARD DRAWINGS NO. 201 AND 204.

(23) CURB RAMP AND DETECTABLE WARNING SURFACE IN ACCORDANCE WITH SECTION 11B-406 OF THE 2022 CALIFORNIA BUILDING CODE.

(25) SANITARY SEWER CLEANOUT IN ACCORDANCE WITH CITY OF UKIAH STANDARD DRAWING NO. 203 AND SANITARY SEWER LATERAL AND CLEANOUT IN ACCORDANCE WITH CITY OF UKIAH STANDARD DRAWINGS NO. 210 AND 213. NEW LATERAL TO MATCH EXISTING LATERAL SIZE.

(26) 12x12-INCH STORM DRAIN BLIND CONNECTION.

(27) REMOVE PORTIONS OF EXISTING STRUCTURE TO FACILITATE THE PROPOSED IMPROVEMENTS AND CONNECT TO THE NEW STORM DRAIN. FORM AND FILL AREA BETWEEN PIPE AND STRUCTURE WITH CONCRETE IN A MANNER WHICH PROVIDES A PERMANENT WATER TIGHT SEAL.

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10/20/2023

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PHASE 2
UTILITY PLAN AND PROFILE

No.	Revisions

Date: OCT 2023
Scale: AS SHOWN
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Drawn: BTL
Approved: BD
Job No: 20210758

Drawing Number:

62 OF 143

Plot Oct 19, 2023 at 3:41pm

210758_BMPR.dwg

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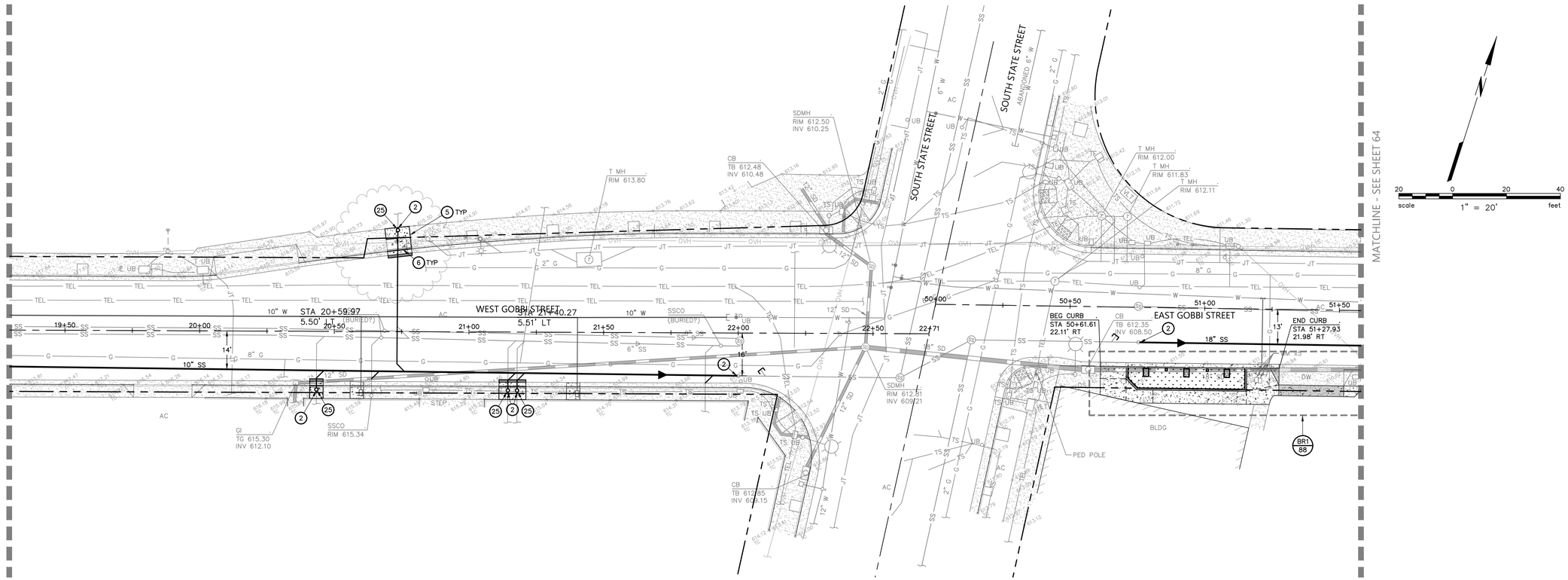
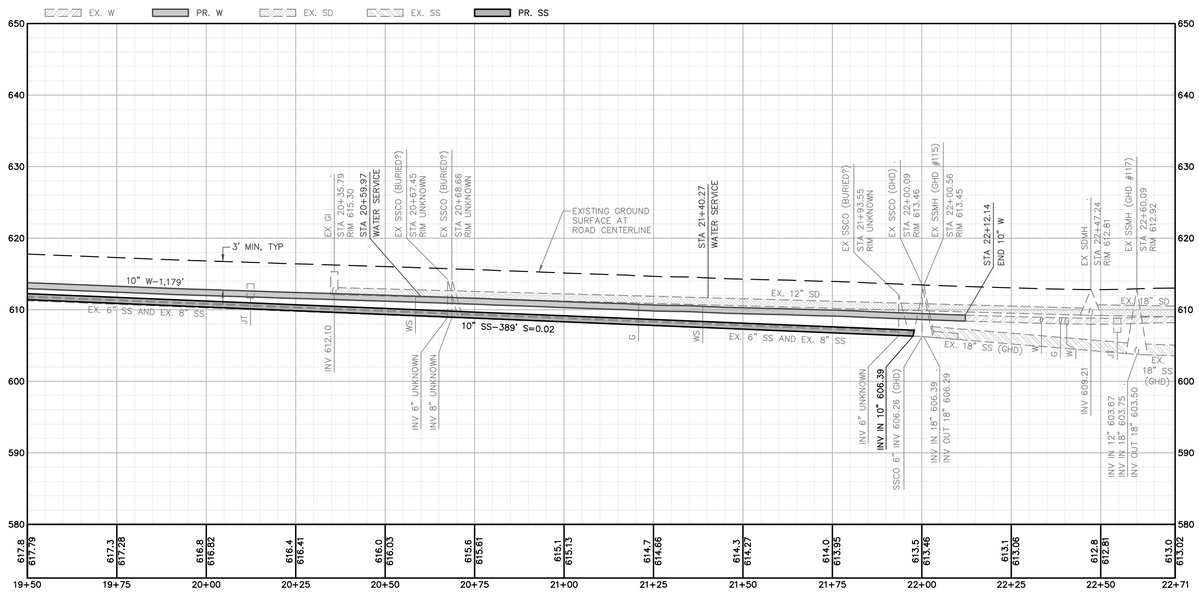
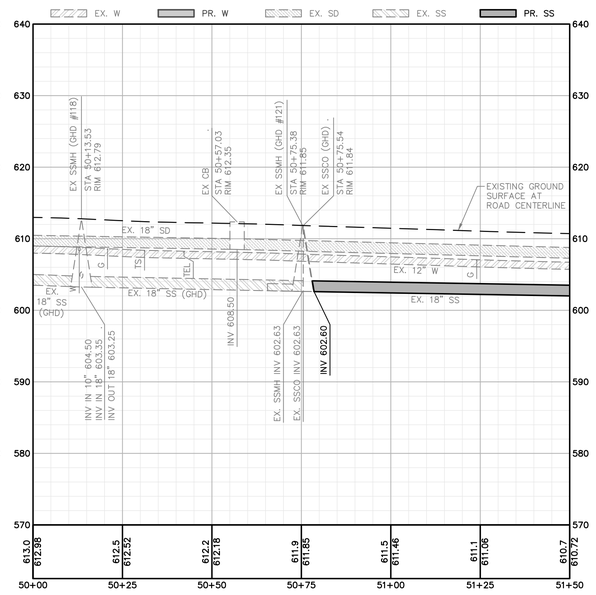




STA 19+50.00 – STA 22+70.79

H: 1"=20'
V: 1"=10'



STA 50+00.00 – STA 51+50.00

H: 1"=20'
V: 1"=10'

KEYNOTES:

(2) CONNECT TO EXISTING UTILITY IN A MANNER WHICH PROVIDES A PERMANENT WATER TIGHT SEAL.

(5) CONFORM TO EXISTING SURFACE ELEVATION IN A MANNER WHICH GENERATES A UNIFORM TRANSITION BETWEEN SURFACES AND DOES NOT IMPEDE DRAINAGE.

(6) CURB, GUTTER, AND SIDEWALK IN ACCORDANCE WITH CITY OF UKIAH STANDARD DRAWING NO. 102.

(25) SANITARY SEWER CLEANOUT IN ACCORDANCE WITH CITY OF UKIAH STANDARD DRAWING NO. 203 AND SANITARY SEWER LATERAL AND CLEANOUT IN ACCORDANCE WITH CITY OF UKIAH STANDARD DRAWINGS NO. 210 AND 213. NEW LATERAL TO MATCH EXISTING LATERAL SIZE.

REGISTERED PROFESSIONAL ENGINEER
No. C 80868
CIVIL
STATE OF CALIFORNIA

10/20/2023

C 80868

REBECCA DOWER

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URBAN CORE REHABILITATION

GOBBI STREET UTILITY REPLACEMENT
CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

PHASE 2

UTILITY PLAN AND PROFILE

No.	Revisions

Date: OCT 2023
Scale: AS SHOWN
Design: BD
Drawn: BTL
Approved: BD
Job No: 20210758

Drawing Number:

63 OF 143

Plot Oct 19, 2023 at 3:42pm

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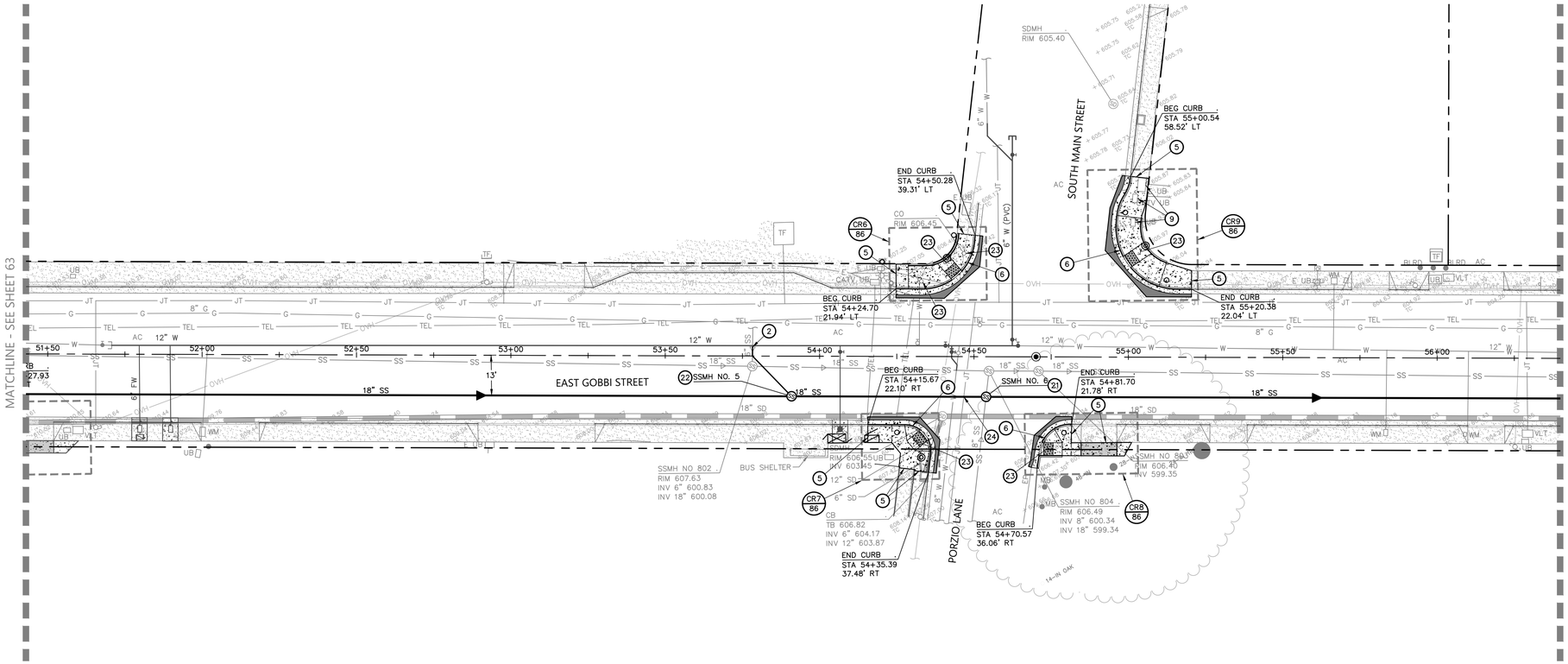

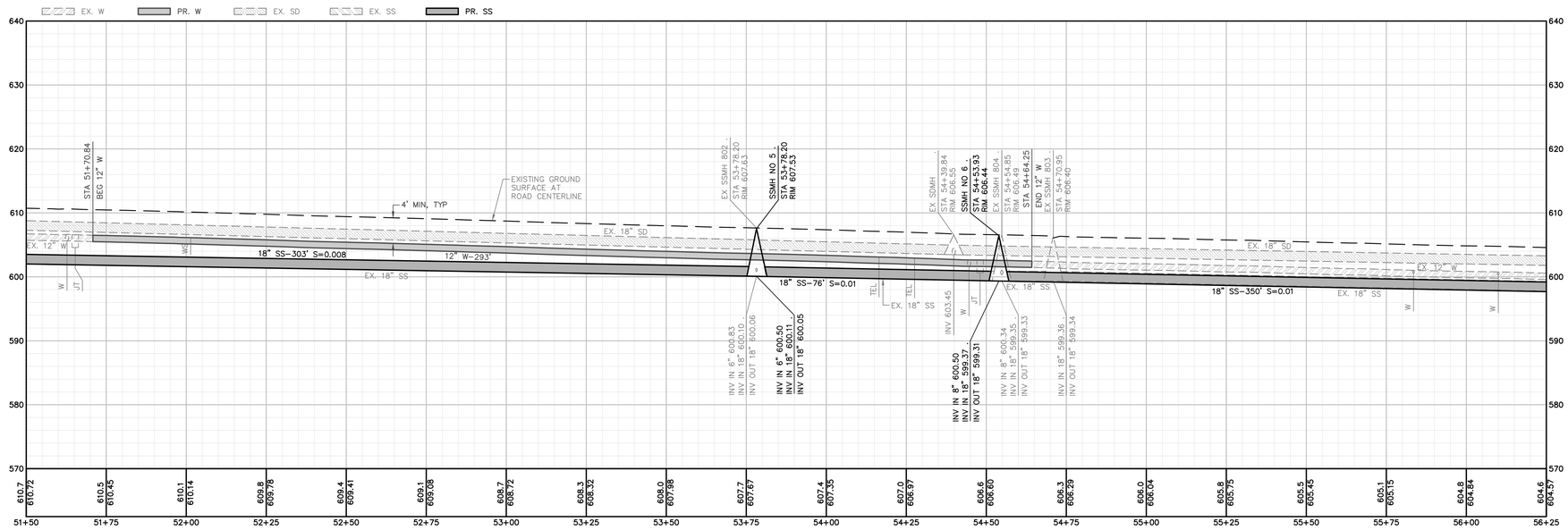

STA 51+50.00 – STA 56+25.00

H: 1"=20'
V: 1"=10'

KEYNOTES:

(2) CONNECT TO EXISTING UTILITY IN A MANNER WHICH PROVIDES A PERMANENT WATER TIGHT SEAL.

(5) CONFORM TO EXISTING SURFACE ELEVATION IN A MANNER WHICH GENERATES A UNIFORM TRANSITION BETWEEN SURFACES AND DOES NOT IMPEDE DRAINAGE.

(6) CURB, GUTTER, AND SIDEWALK IN ACCORDANCE WITH CITY OF UKIAH STANDARD DRAWING NO. 102.

(9) ADJUST EXISTING UTILITY TO FINISHED GROUND SURFACE ELEVATION.

(22) SANITARY SEWER MANHOLE WITH TRAFFIC RATED FRAME AND COVER IN ACCORDANCE WITH CITY OF UKIAH STANDARD DRAWINGS NO. 201 AND 204.

(23) CURB RAMP AND DETECTABLE WARNING SURFACE IN ACCORDANCE WITH SECTION 11B-406 OF THE 2022 CALIFORNIA BUILDING CODE.

(24) POTHOLE TO DETERMINE THE ACTUAL LOCATION, TYPE, SIZE, DEPTH AND CONFIGURATION OF THE EXISTING UTILITY AND PROVIDE THIS INFORMATION IN WRITING TO THE ENGINEER PRIOR TO PERFORMING WORK IN THIS AREA.

REGISTERED PROFESSIONAL ENGINEER REBECCA DOWER No. C 80868 CIVIL STATE OF CALIFORNIA

10/20/2023

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CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

PHASE 2
UTILITY PLAN AND PROFILE

No.	Revisions

Date: OCT 2023
Scale: AS SHOWN
Design: BD
Drawn: BTL
Approved: BD
Job No: 20210758

Drawing Number:

64 OF 143

Plot Oct 19, 2023 at 3:46pm
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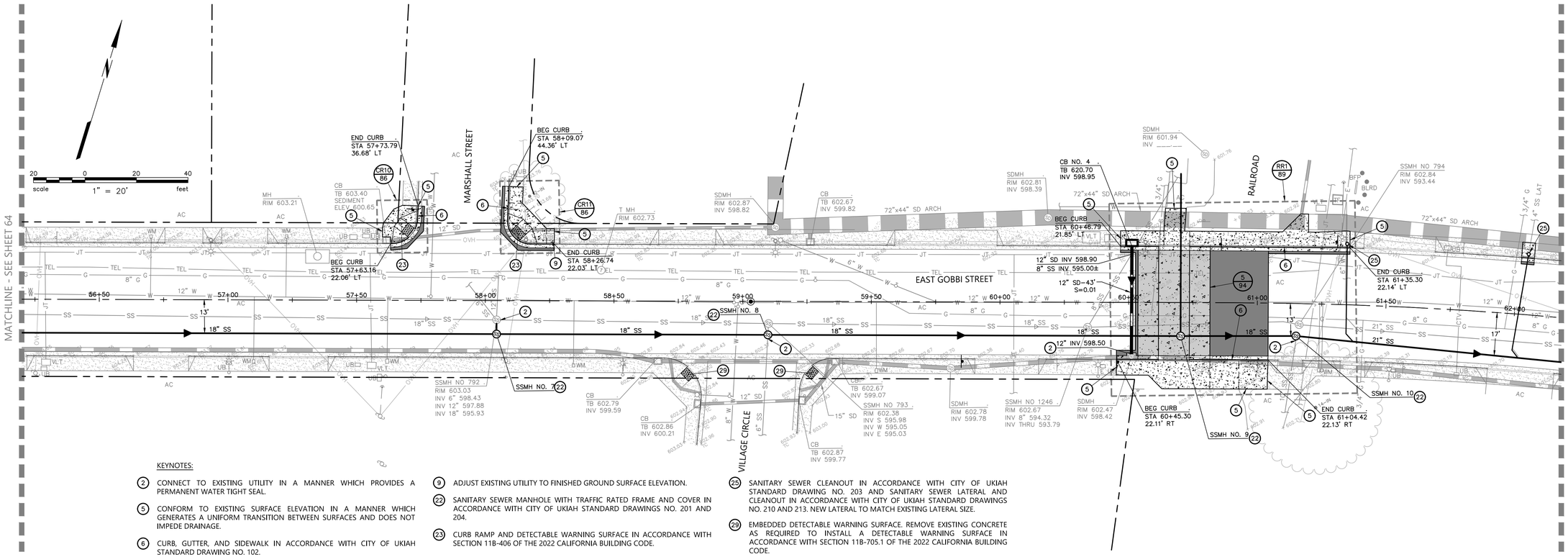

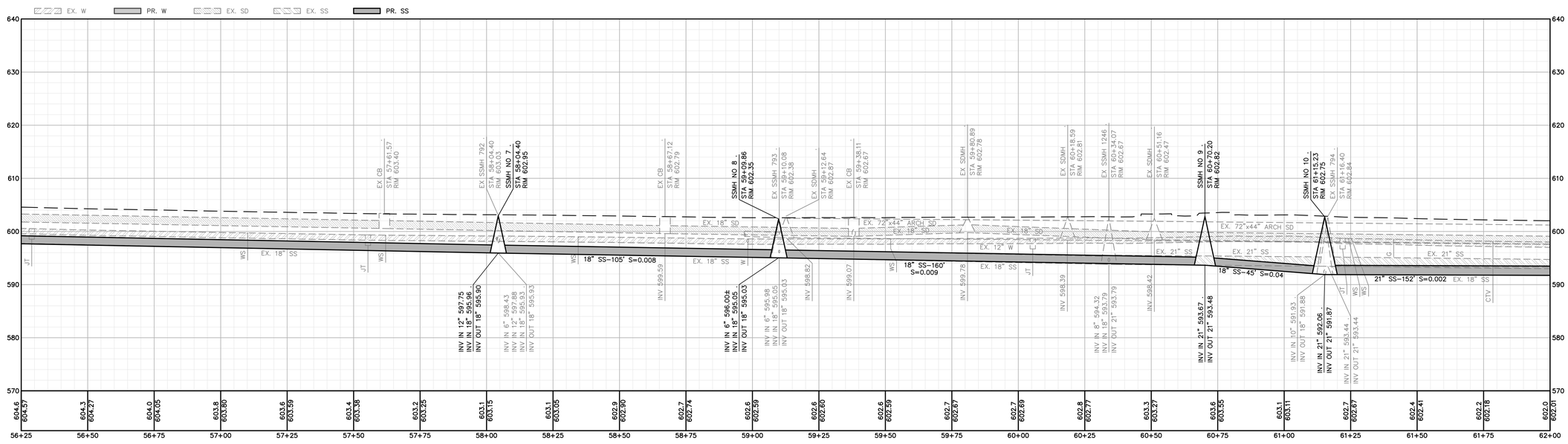

STA 56+25.00 – STA 62+00.00

H: 1"=20'
V: 1"=10'

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STATE OF CALIFORNIA

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10/20/2023
REBECCA DOWER

URBAN CORE REHABILITATION
GOBBI STREET UTILITY REPLACEMENT
CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

PHASE 2
UTILITY PLAN AND PROFILE

No.	Revisions

Date: OCT 2023
Scale: AS SHOWN
Design: BD
Drawn: BTL
Approved: BD
Job No: 20210758

Drawing Number:

65 OF 143

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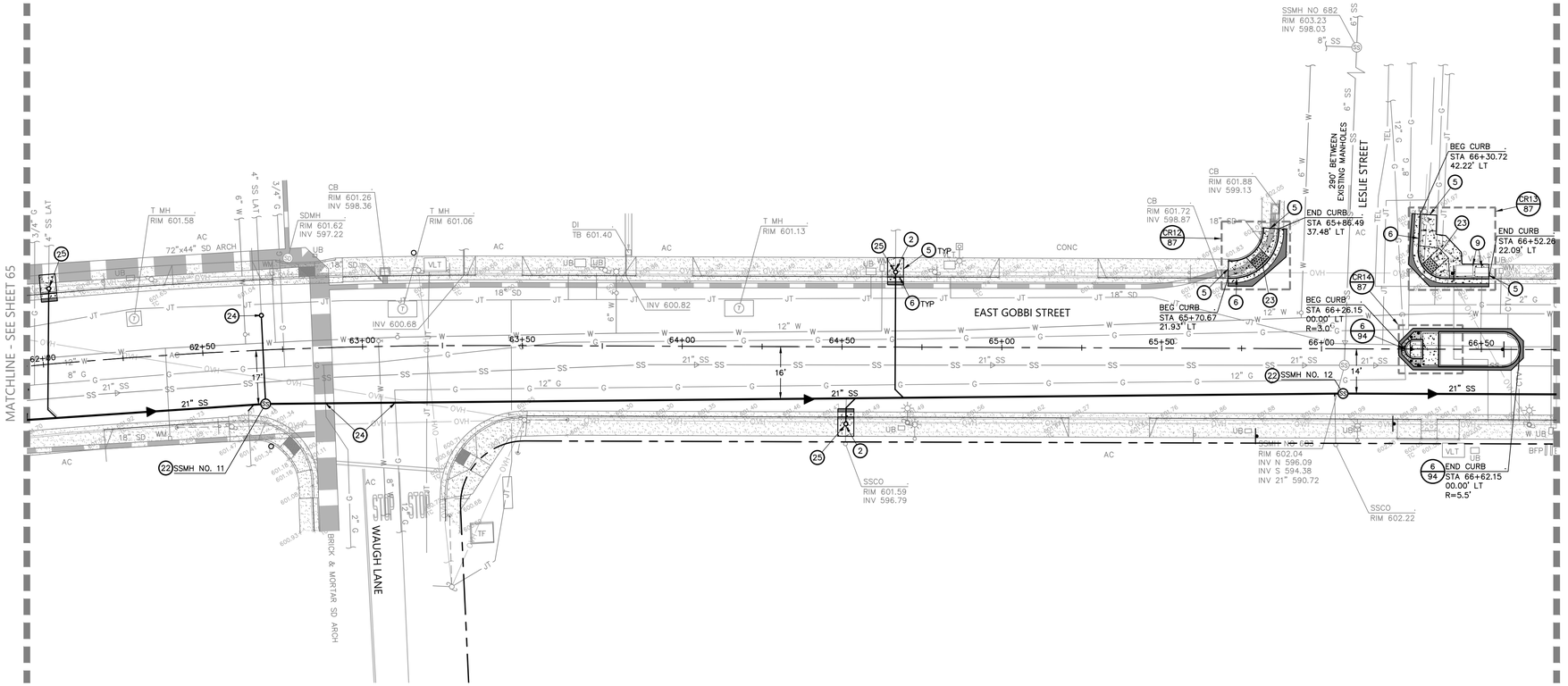
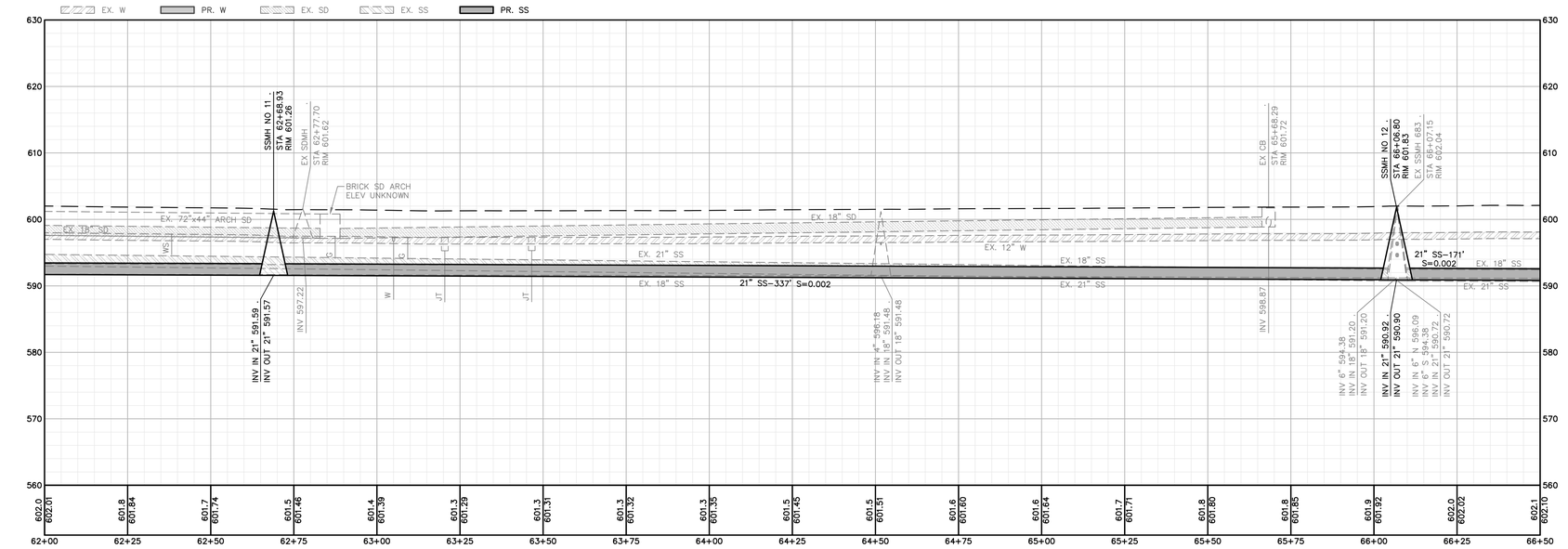
Plot Oct 19, 2023 at 3:45pm





STA 62+00.00 – STA 66+50.00

H: 1"=20'
V: 1"=10'

KEYNOTES:

(2) CONNECT TO EXISTING UTILITY IN A MANNER WHICH PROVIDES A PERMANENT WATER TIGHT SEAL.

(5) CONFORM TO EXISTING SURFACE ELEVATION IN A MANNER WHICH GENERATES A UNIFORM TRANSITION BETWEEN SURFACES AND DOES NOT IMPEDE DRAINAGE.

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(25) SANITARY SEWER CLEANOUT IN ACCORDANCE WITH CITY OF UKIAH STANDARD DRAWING NO. 203 AND SANITARY SEWER LATERAL AND CLEANOUT IN ACCORDANCE WITH CITY OF UKIAH STANDARD DRAWINGS NO. 210 AND 213. NEW LATERAL TO MATCH EXISTING LATERAL SIZE.

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REBECCA DOWER C 80868

10/20/2023

PROFESSIONAL ENGINEER REGISTERED No. C 80868 CIVIL STATE OF CALIFORNIA

URBAN CORE REHABILITATION
GOBBI STREET UTILITY REPLACEMENT
CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

PHASE 2
UTILITY PLAN AND PROFILE

No.	Revisions

Date: OCT 2023
Scale: AS SHOWN
Design: BD
Drawn: BTL
Approved: BD
Job No: 20210758

Drawing Number:

66 OF 143

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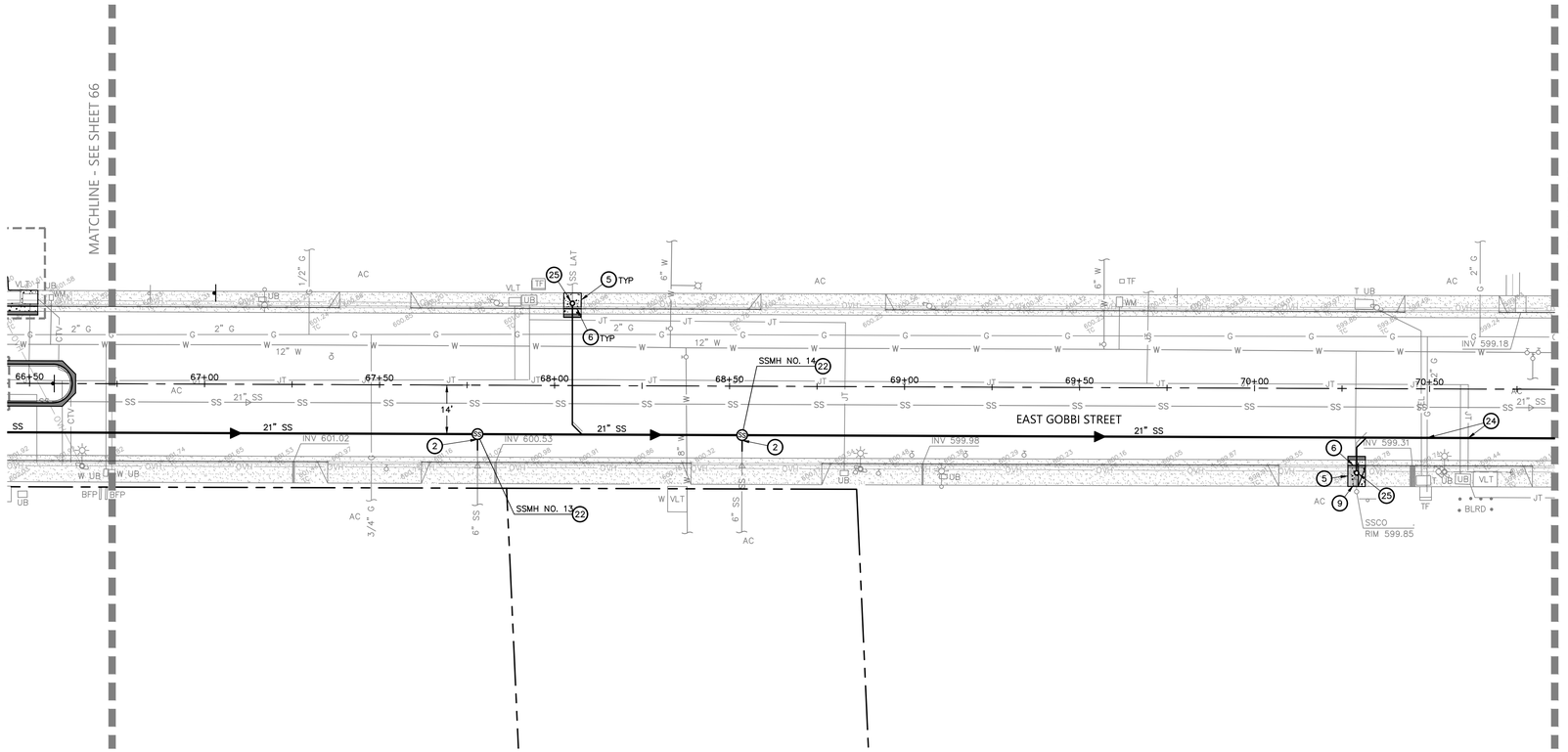
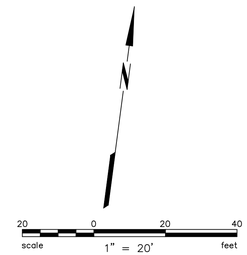
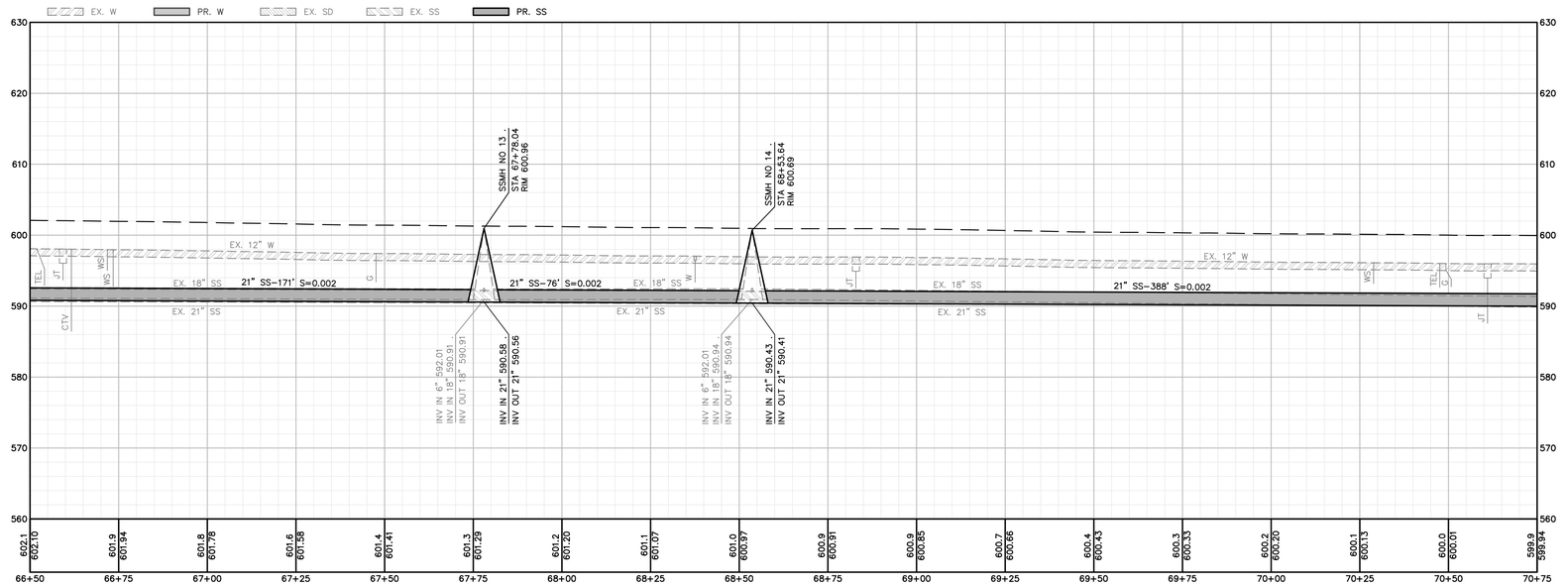
Plot: Oct 19, 2023 at 3:47pm







STA 66+50.00 – STA 70+75.00

H: 1"=20'
V: 1"=10'

KEYNOTES:

(2) CONNECT TO EXISTING UTILITY IN A MANNER WHICH PROVIDES A PERMANENT WATER TIGHT SEAL.

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REGISTERED PROFESSIONAL ENGINEER
REBECCA DOWER
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CIVIL
STATE OF CALIFORNIA

10/20/2023

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URBAN CORE REHABILITATION

GOBBI STREET UTILITY REPLACEMENT
CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

PHASE 2

UTILITY PLAN AND PROFILE

No.	Revisions

Date: OCT 2023
Scale: AS SHOWN
Design: BD
Drawn: BTL
Approved: BD
Job No: 20210758

Drawing Number:

67 OF 143

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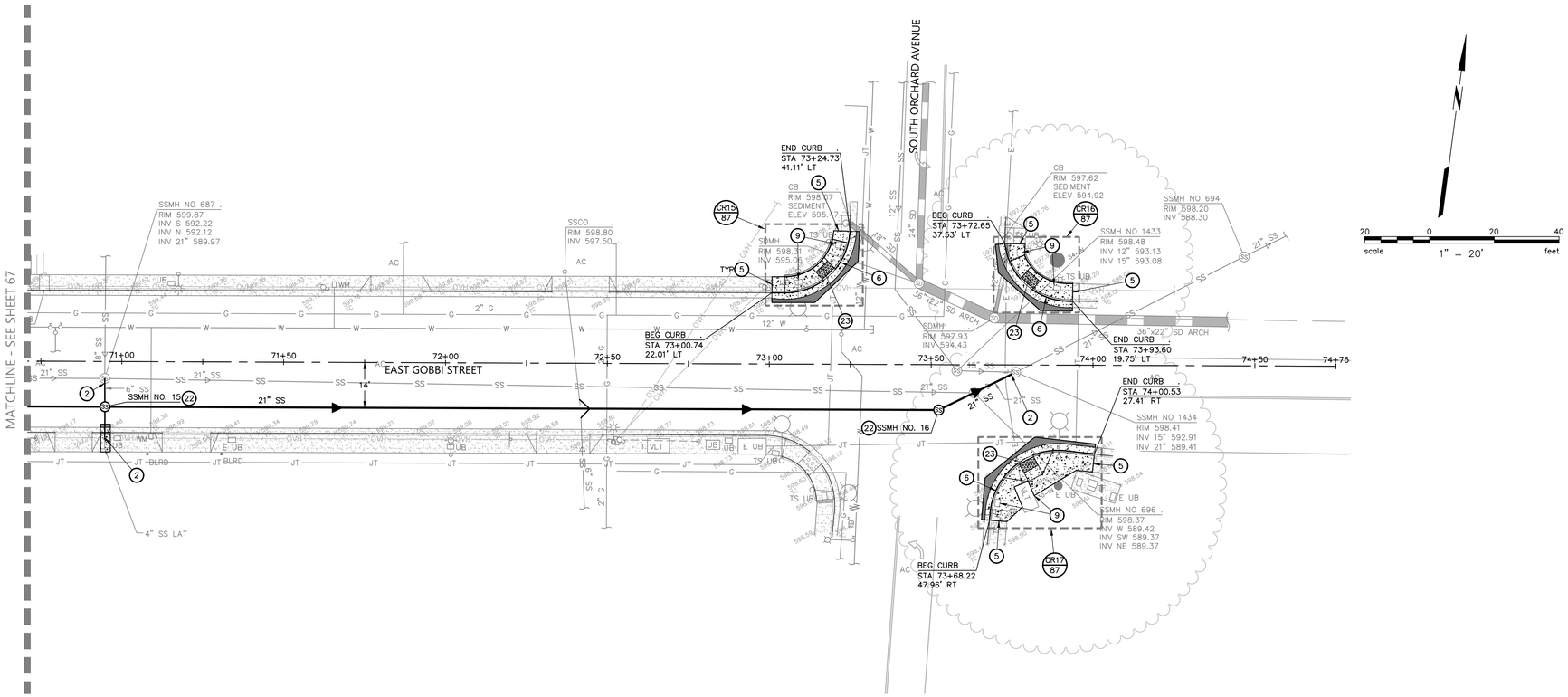
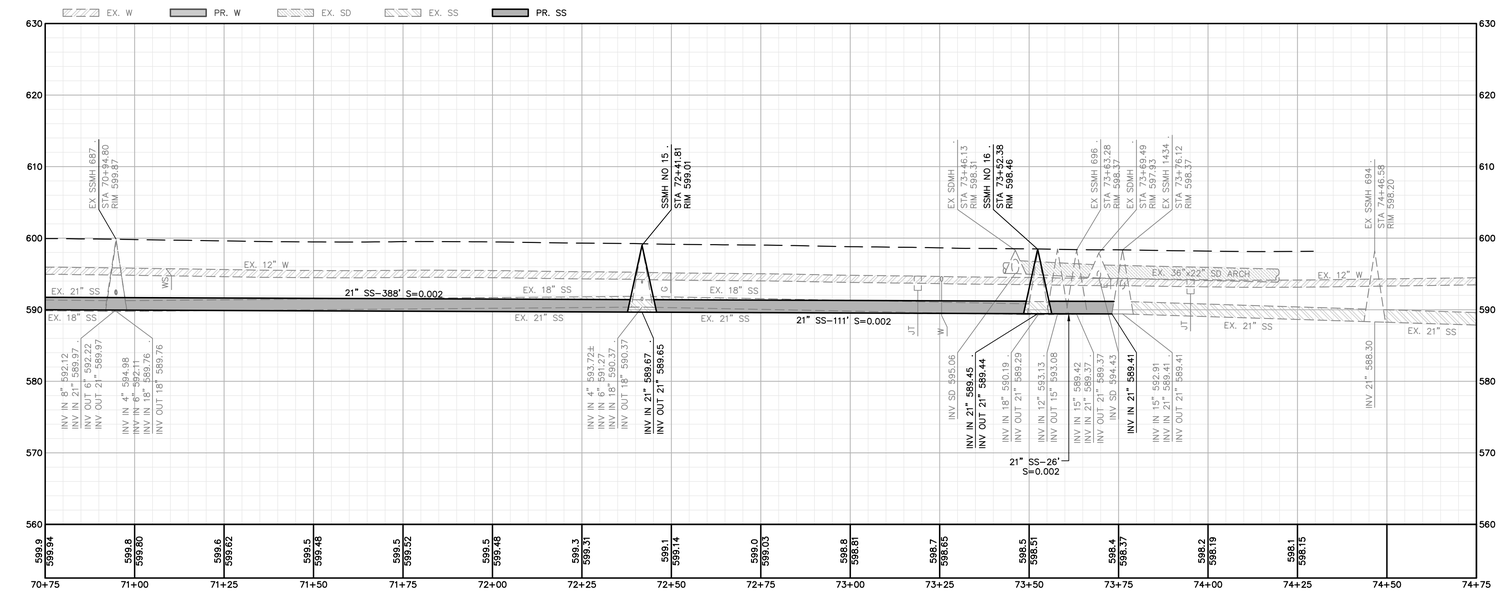
Plot Oct 19, 2023 at 3:48pm





STA 70+75.00 – STA 74+75.00

H: 1"=20'
V: 1"=10'

KEYNOTES:

(2) CONNECT TO EXISTING UTILITY IN A MANNER WHICH PROVIDES A PERMANENT WATER TIGHT SEAL.

(5) CONFORM TO EXISTING SURFACE ELEVATION IN A MANNER WHICH GENERATES A UNIFORM TRANSITION BETWEEN SURFACES AND DOES NOT IMPEDE DRAINAGE.

(6) CURB, GUTTER, AND SIDEWALK IN ACCORDANCE WITH CITY OF UKIAH STANDARD DRAWING NO. 102.

(9) ADJUST EXISTING UTILITY TO FINISHED GROUND SURFACE ELEVATION.

(22) SANITARY SEWER MANHOLE WITH TRAFFIC RATED FRAME AND COVER IN ACCORDANCE WITH CITY OF UKIAH STANDARD DRAWINGS NO. 201 AND 204.

(23) CURB RAMP AND DETECTABLE WARNING SURFACE IN ACCORDANCE WITH SECTION 11B-406 OF THE 2022 CALIFORNIA BUILDING CODE.

REGISTERED PROFESSIONAL ENGINEER
No. C 80868
CIVIL
STATE OF CALIFORNIA

10/20/2023

C 80868

REBECCA DOWER

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URBAN CORE REHABILITATION
GOBBI STREET UTILITY REPLACEMENT
CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

PHASE 2
UTILITY PLAN AND PROFILE

No.	Revisions

Date: OCT 2023
Scale: AS SHOWN
Design: BD
Drawn: BTL
Approved: BD
Job No: 20210758

Drawing Number:

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Plot Oct 19, 2023 at 3:00pm

KEYNOTES:

(17) REMOVE EXISTING UTILITY TO FACILITATE THE PROPOSED IMPROVEMENTS AND DISPOSE OF UNUSED MATERIAL IN ACCORDANCE WITH LOCAL REGULATIONS.

REGISTERED PROFESSIONAL ENGINEER REBECCA DOWER No. C 80868 CIVIL STATE OF CALIFORNIA

C 80868

10/20/2023

REBECCA DOWER

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URBAN CORE REHABILITATION

GOBBI STREET UTILITY REPLACEMENT
CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

PHASE 2 DEMOLITION PLAN

No.	Revisions

Date: OCT 2023
Scale: AS SHOWN
Design: BD
Drawn: BTL
Approved: BD
Job No: 20210758

Drawing Number:

69 OF 143

Plot Oct 17, 2023 at 4:21pm

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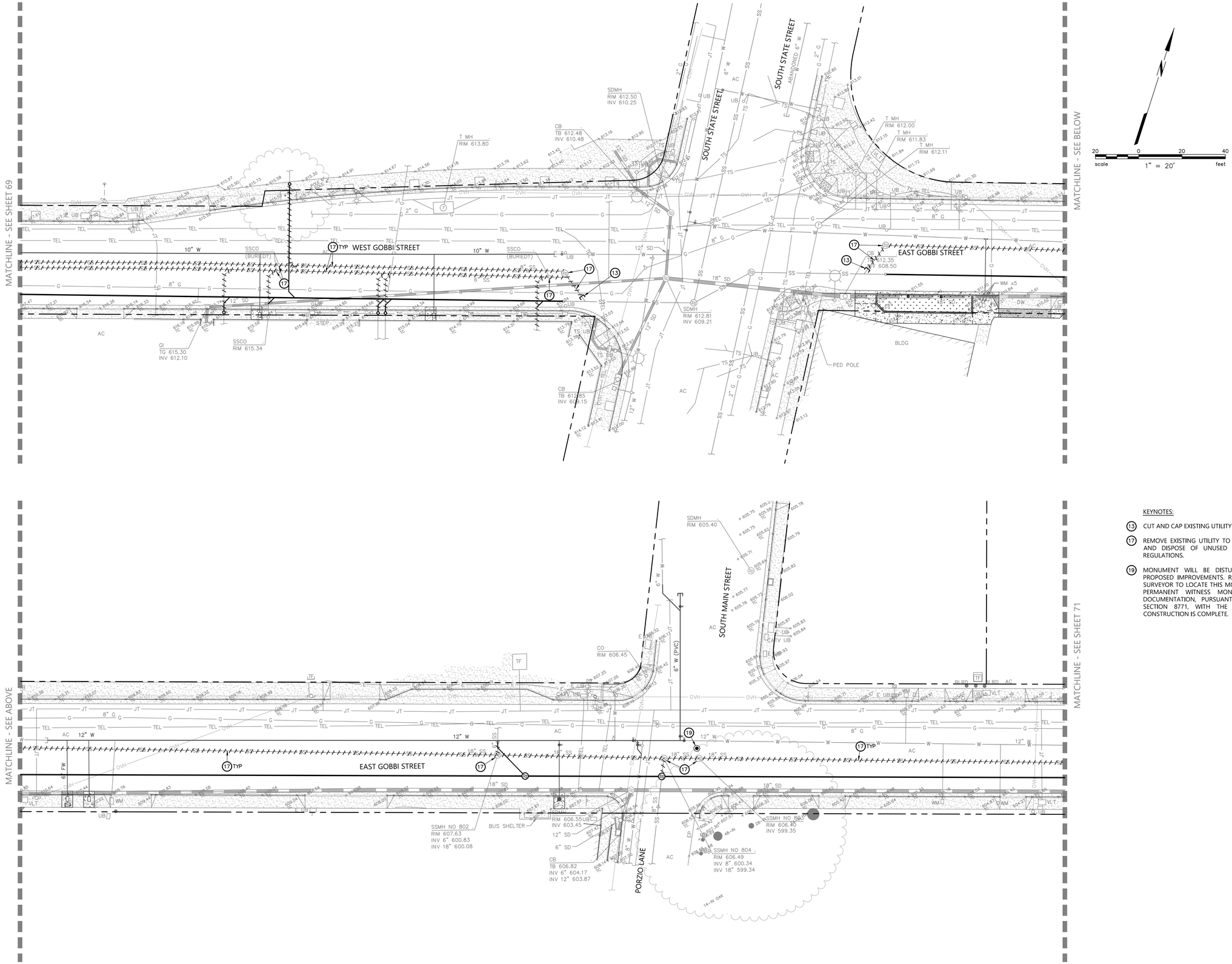

KEYNOTES:

(13) CUT AND CAP EXISTING UTILITY IN ACCORDANCE WITH LOCAL REGULATIONS.

(17) REMOVE EXISTING UTILITY TO FACILITATE THE PROPOSED IMPROVEMENTS AND DISPOSE OF UNUSED MATERIAL IN ACCORDANCE WITH LOCAL REGULATIONS.

(19) MONUMENT WILL BE DISTURBED OR REMOVED TO FACILITATE THE PROPOSED IMPROVEMENTS. RETAIN THE SERVICES OF A LICENSED LAND SURVEYOR TO LOCATE THIS MONUMENT PRIOR TO DISTURBANCE, PROVIDE PERMANENT WITNESS MONUMENT(S) AND FILE THE APPROPRIATE DOCUMENTATION, PURSUANT TO BUSINESS AND PROFESSIONS CODE SECTION 8771, WITH THE MENDOCINO COUNTY RECORDER ONCE CONSTRUCTION IS COMPLETE.

REGISTERED PROFESSIONAL ENGINEER REBECCA DOWER No. C 80868 CIVIL STATE OF CALIFORNIA

10/20/2023

C 80868

REBECCA DOWER

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URBAN CORE REHABILITATION

GOBBI STREET UTILITY REPLACEMENT
CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

PHASE 2 DEMOLITION PLAN

No.	Revisions

Date: OCT 2023
Scale: AS SHOWN
Design: BD
Drawn: BTL
Approved: BD
Job No: 20210758

Drawing Number:

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Plot: Oct 17, 2023 at 4:22pm
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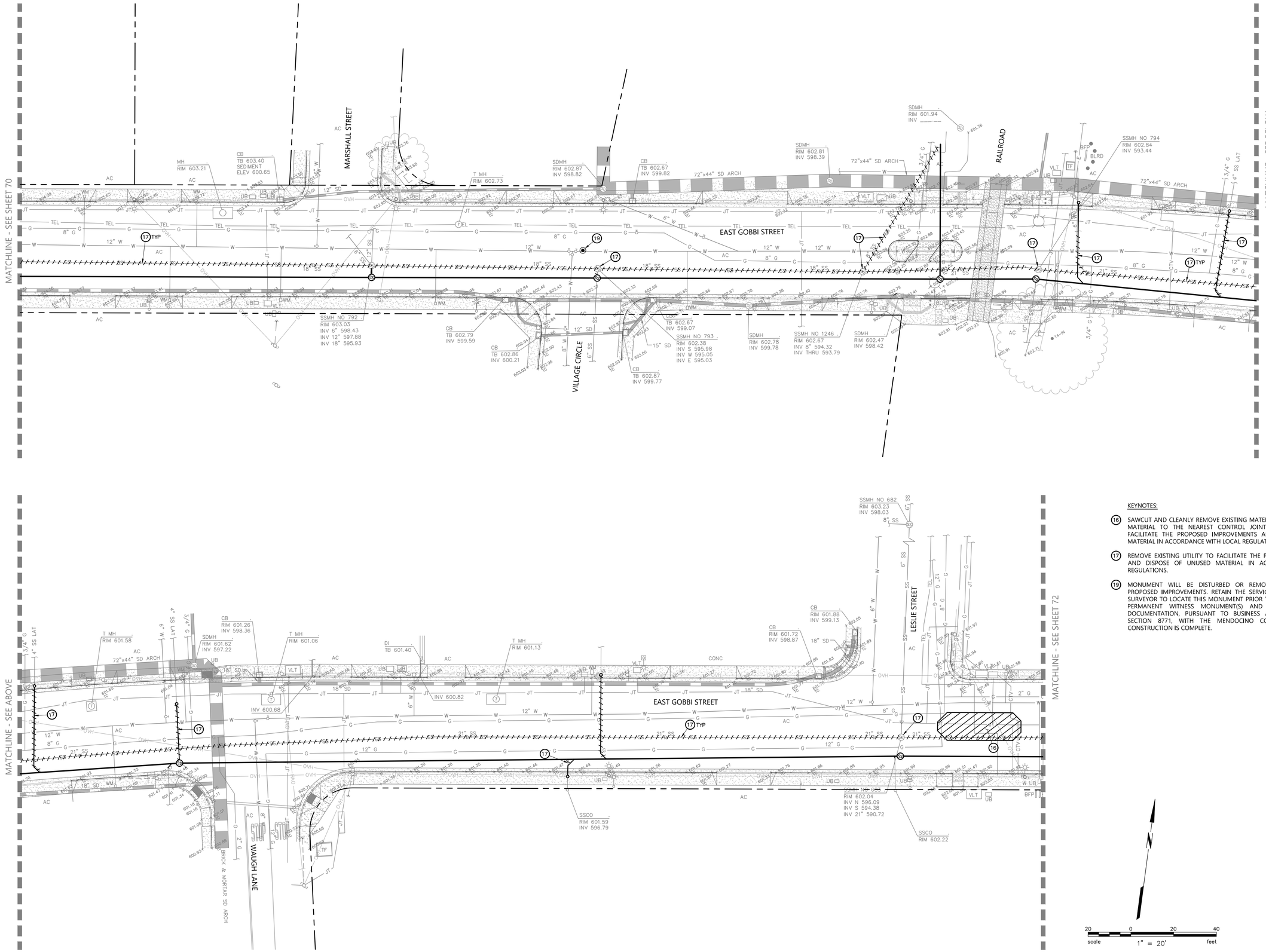

KEYNOTES:

(16) SAWCUT AND CLEANLY REMOVE EXISTING MATERIAL, OR REMOVE EXISTING MATERIAL TO THE NEAREST CONTROL JOINT WHERE APPLICABLE, TO FACILITATE THE PROPOSED IMPROVEMENTS AND DISPOSE OF UNUSED MATERIAL IN ACCORDANCE WITH LOCAL REGULATIONS.

(17) REMOVE EXISTING UTILITY TO FACILITATE THE PROPOSED IMPROVEMENTS AND DISPOSE OF UNUSED MATERIAL IN ACCORDANCE WITH LOCAL REGULATIONS.

(19) MONUMENT WILL BE DISTURBED OR REMOVED TO FACILITATE THE PROPOSED IMPROVEMENTS. RETAIN THE SERVICES OF A LICENSED LAND SURVEYOR TO LOCATE THIS MONUMENT PRIOR TO DISTURBANCE, PROVIDE PERMANENT WITNESS MONUMENT(S) AND FILE THE APPROPRIATE DOCUMENTATION, PURSUANT TO BUSINESS AND PROFESSIONS CODE SECTION 8771, WITH THE MENDOCINO COUNTY RECORDER ONCE CONSTRUCTION IS COMPLETE.

20 0 20 40
scale 1" = 20' feet

REGISTERED PROFESSIONAL ENGINEER REBECCA DOWER No. C 80868 CIVIL STATE OF CALIFORNIA

10/20/2023

REBECCA DOWER C 80868

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URBAN CORE REHABILITATION
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CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

PHASE 2 DEMOLITION PLAN

No.	Revisions

Date: OCT 2023
Scale: AS SHOWN
Design: BD
Drawn: BTL
Approved: BD
Job No: 20210758

Drawing Number:

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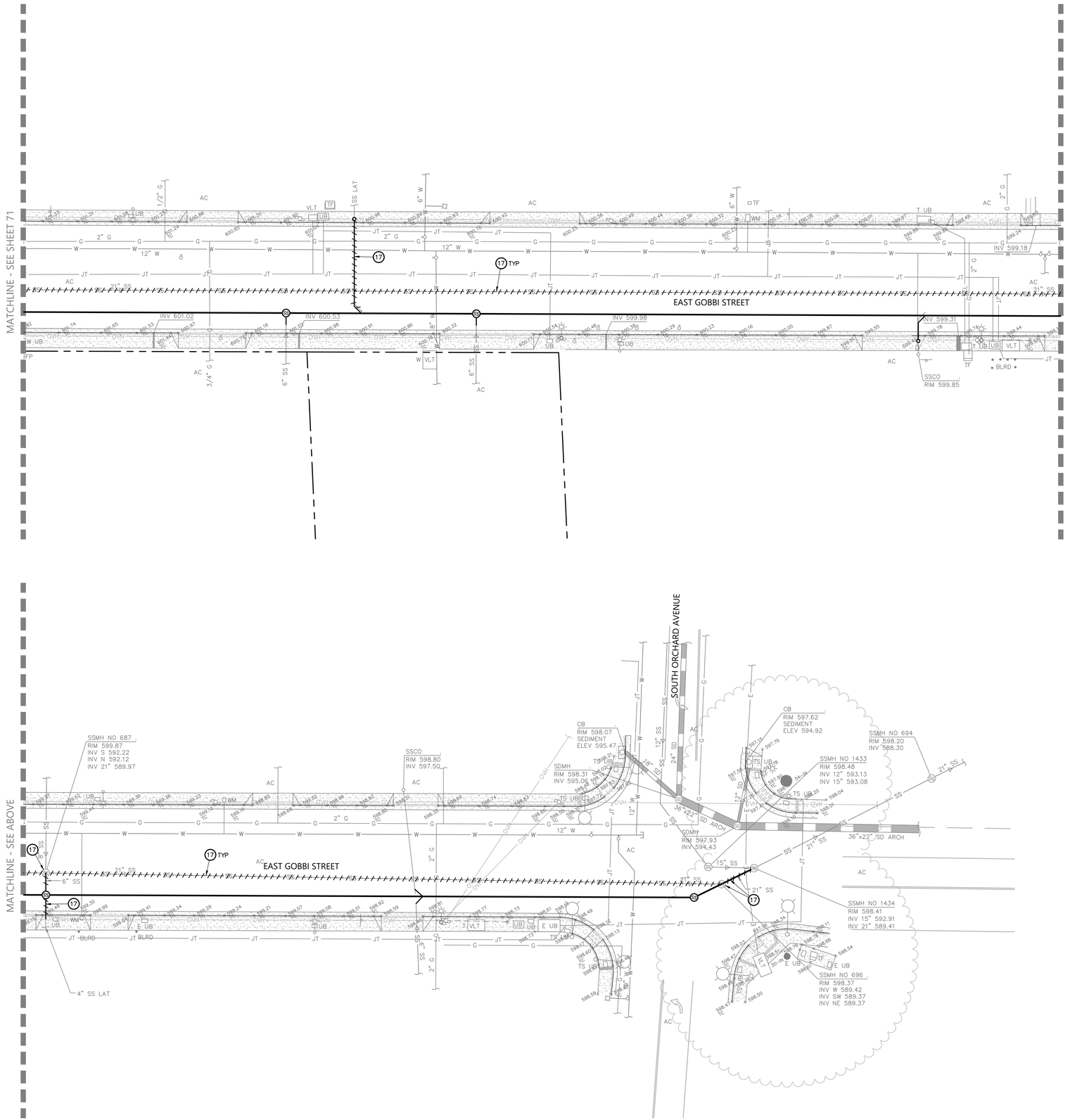
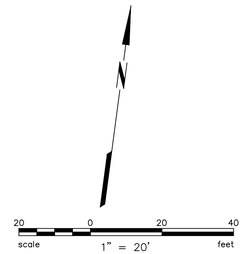
Plot: Oct 19, 2023 at 3:51pm





KEYNOTES:

(17) REMOVE EXISTING UTILITY TO FACILITATE THE PROPOSED IMPROVEMENTS AND DISPOSE OF UNUSED MATERIAL IN ACCORDANCE WITH LOCAL REGULATIONS.

REGISTERED PROFESSIONAL ENGINEER REBECCA DOWER No. C 80868 CIVIL STATE OF CALIFORNIA

10/20/2023

C 80868

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URBAN CORE REHABILITATION

GOBBI STREET UTILITY REPLACEMENT
CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

PHASE 2 DEMOLITION PLAN

Revisions

No.	

Date: OCT 2023
Scale: AS SHOWN
Design: BD
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Approved: BD
Job No: 20210758

Drawing Number:

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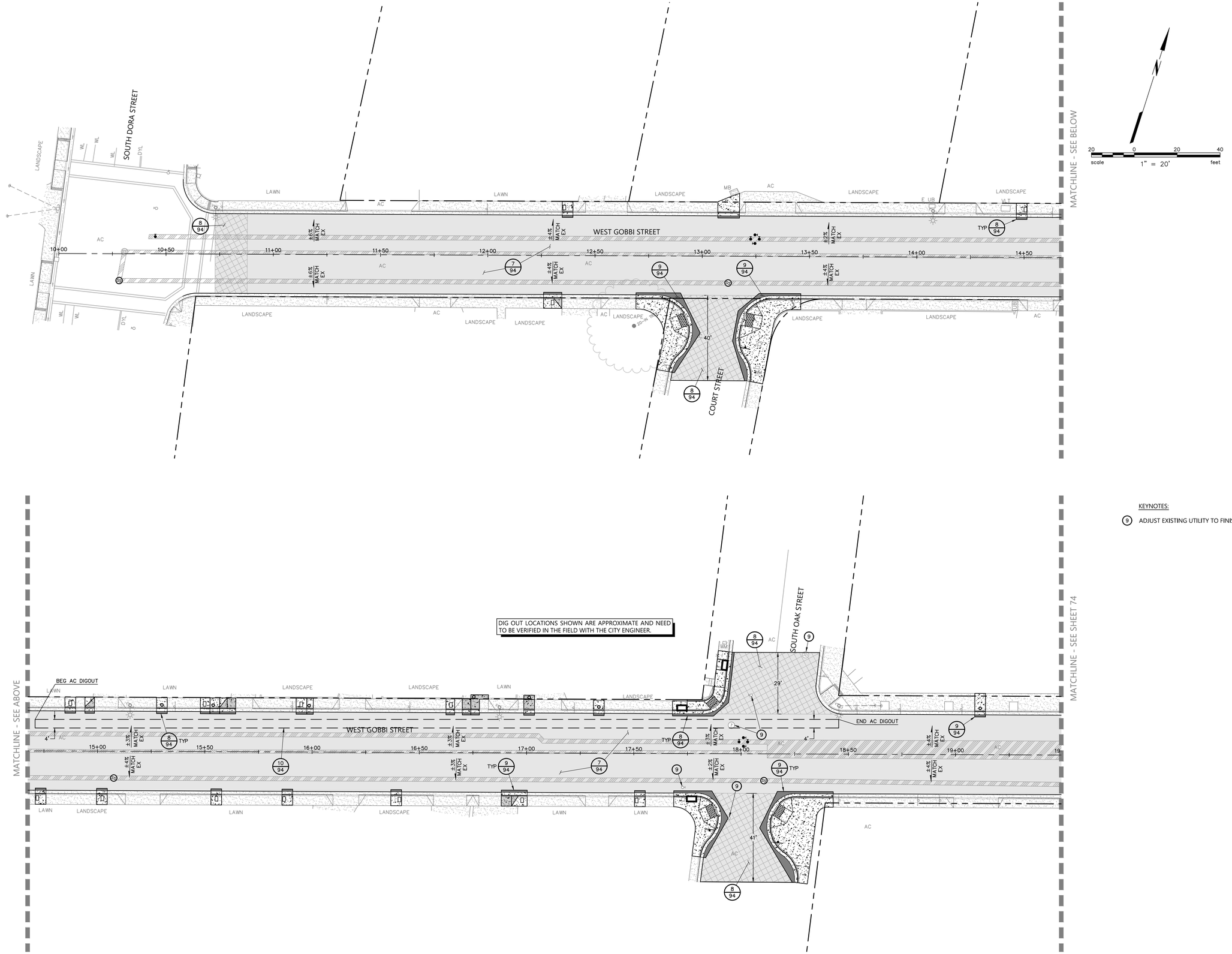
Plot: Oct 19, 2023 at 3:51pm



KEYNOTES:

(9) ADJUST EXISTING UTILITY TO FINISHED GROUND SURFACE ELEVATION.

REGISTERED PROFESSIONAL ENGINEER
REBECCA DOWER
No. C 80868
CIVIL
STATE OF CALIFORNIA

C 80868
10/20/2023
REBECCA DOWER

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URBAN CORE REHABILITATION
GOBBI STREET UTILITY REPLACEMENT
CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

PAVING PLAN

No.	Revisions

Date: OCT 2023
Scale: AS SHOWN
Design: BD
Drawn: BTL
Approved: BD
Job No: 20210758

Drawing Number:

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Plot: Oct 17, 2023 at 4:29pm
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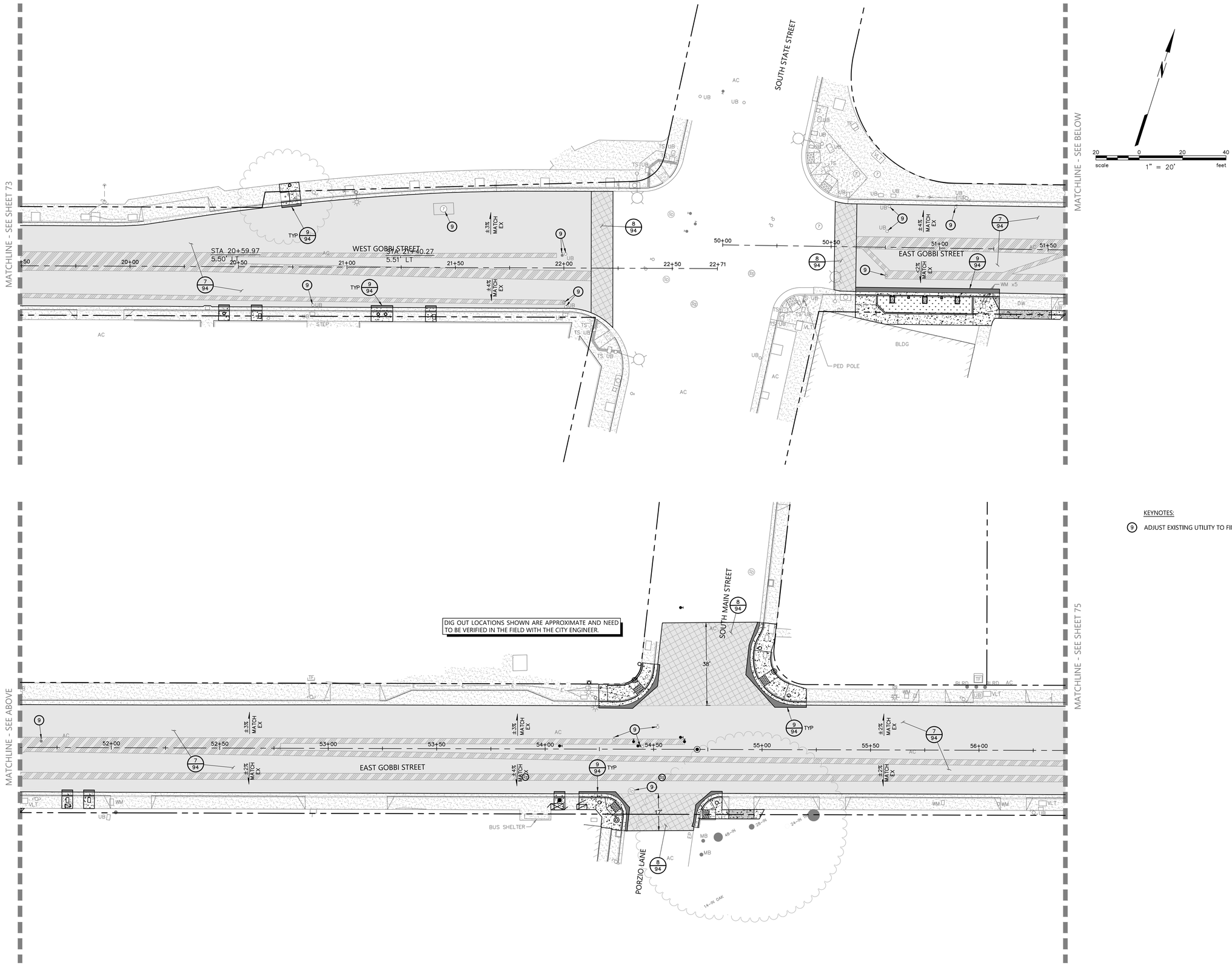

KEYNOTES:

(9) ADJUST EXISTING UTILITY TO FINISHED GROUND SURFACE ELEVATION.

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10/20/2023

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URBAN CORE REHABILITATION
GOBBI STREET UTILITY REPLACEMENT
CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

PAVING PLAN

No.	Revisions

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Job No: 20210758

Drawing Number:

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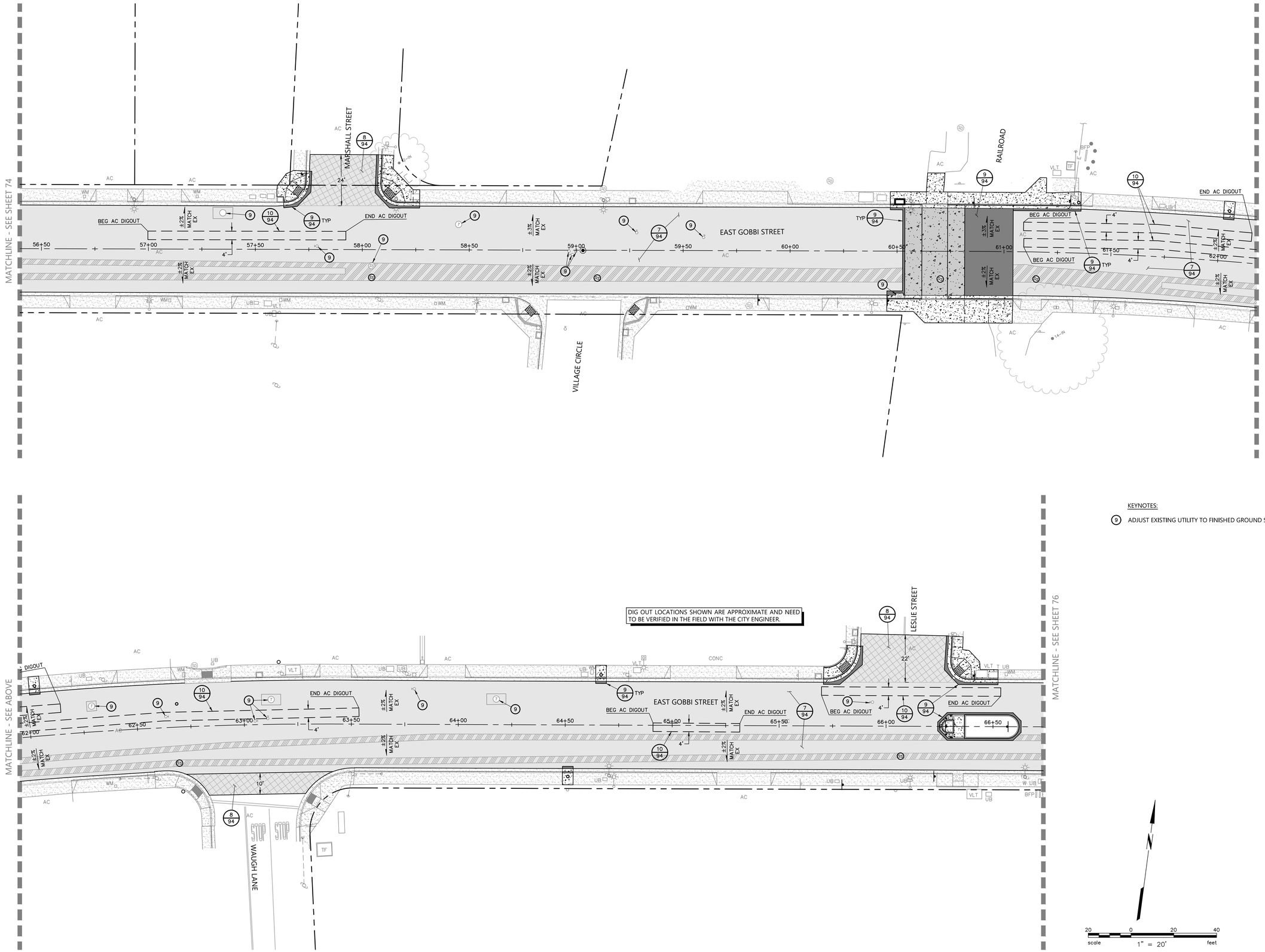

KEYNOTES:

(9) ADJUST EXISTING UTILITY TO FINISHED GROUND SURFACE ELEVATION.

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10/20/2023

REBECCA DOWER C 80868

URBAN CORE REHABILITATION
GOBBI STREET UTILITY REPLACEMENT
CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

PAVING PLAN

No.	Revisions

Date: OCT 2023
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Approved: BD
Job No: 20210758

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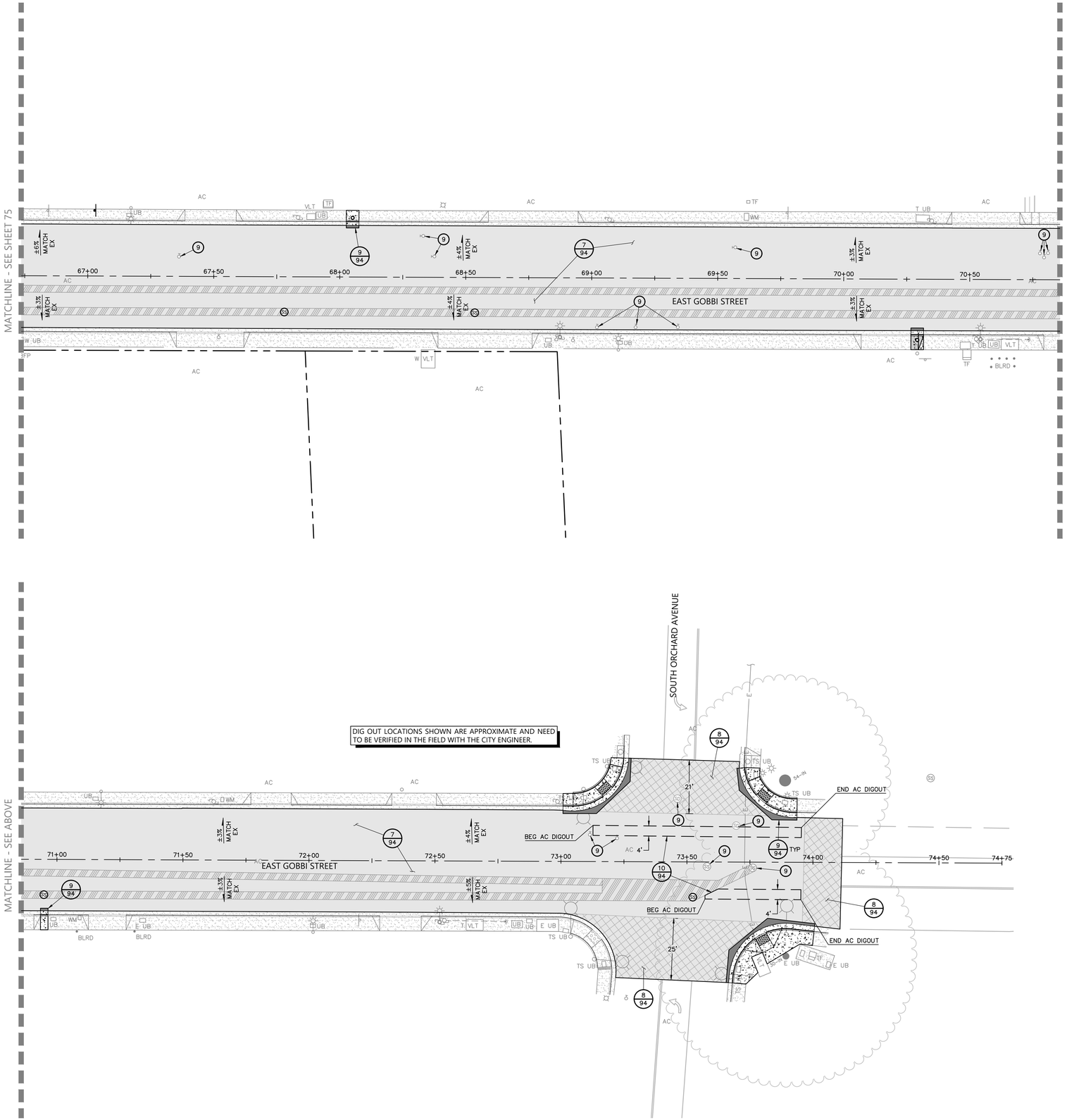

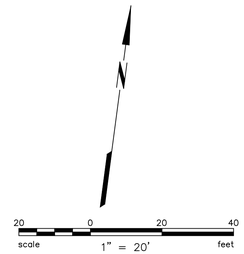

KEYNOTES:

(9) ADJUST EXISTING UTILITY TO FINISHED GROUND SURFACE ELEVATION.

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PAVING PLAN

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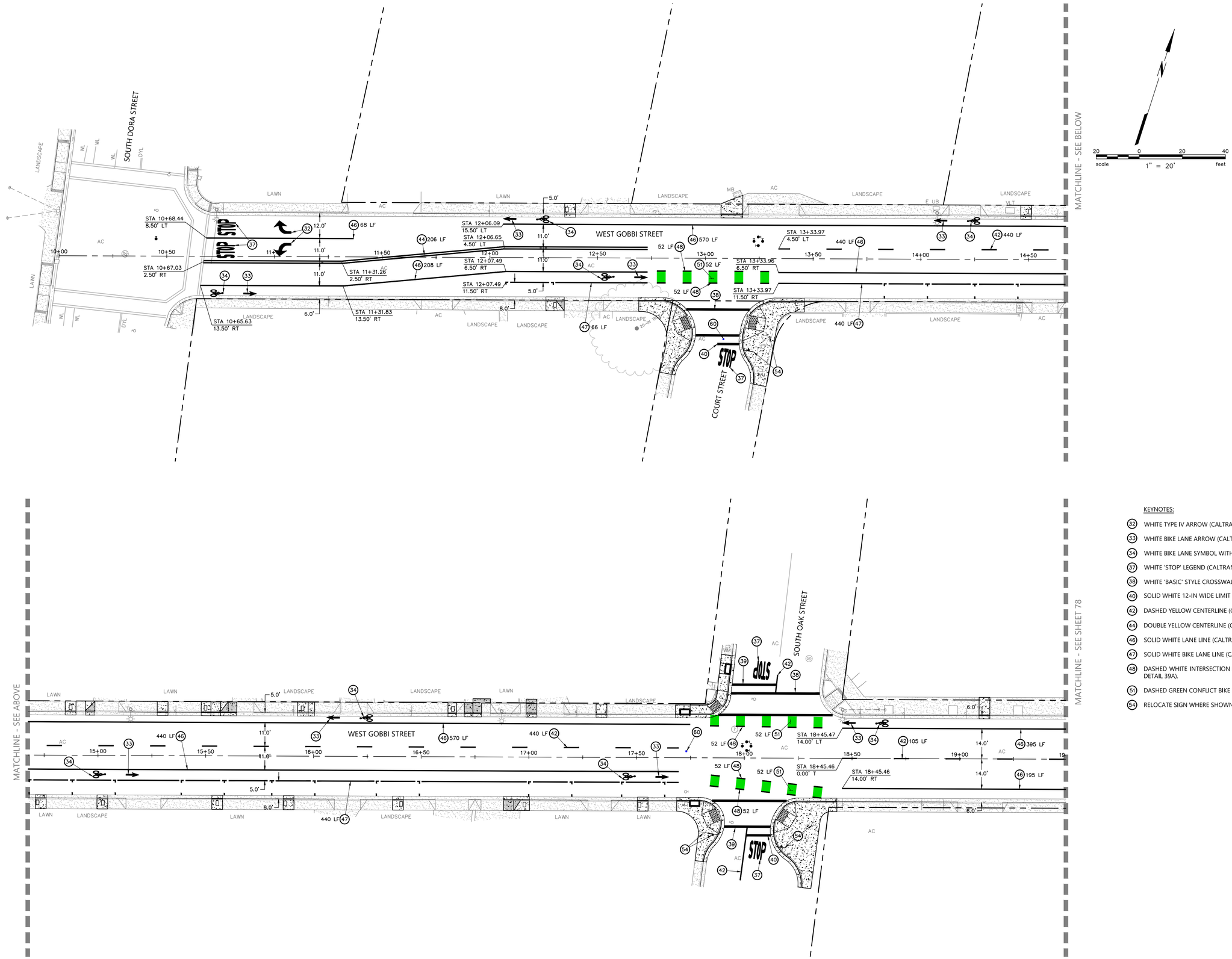

KEYNOTES:

(32) WHITE TYPE IV ARROW (CALTRANS STANDARD PLAN A24A).

(33) WHITE BIKE LANE ARROW (CALTRANS STANDARD PLAN A24A).

(34) WHITE BIKE LANE SYMBOL WITH PERSON (CALTRANS STANDARD PLAN A24C).

(37) WHITE 'STOP' LEGEND (CALTRANS STANDARD PLAN A24D).

(38) WHITE 'BASIC' STYLE CROSSWALK (CALTRANS STANDARD PLAN DETAIL A24F).

(40) SOLID WHITE 12-IN WIDE LIMIT LINE (CALTRANS STANDARD PLAN A24G).

(42) DASHED YELLOW CENTERLINE (CALTRANS STANDARD PLAN DETAIL 1).

(44) DOUBLE YELLOW CENTERLINE (CALTRANS STANDARD PLAN DETAIL 21).

(46) SOLID WHITE LANE LINE (CALTRANS STANDARD PLAN DETAIL 38).

(47) SOLID WHITE BIKE LANE LINE (CALTRANS STANDARD PLAN DETAIL 39).

(48) DASHED WHITE INTERSECTION LINE BIKE LANE (CALTRANS STANDARD PLAN DETAIL 39A).

(51) DASHED GREEN CONFLICT BIKE LANE STRIPING.

(54) RELOCATE SIGN WHERE SHOWN ON THESE DRAWINGS.

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URBAN CORE REHABILITATION

GOBBI STREET UTILITY REPLACEMENT
CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

STRIPING AND SIGNAGE PLAN

Revisions

No.	

Date: OCT 2023
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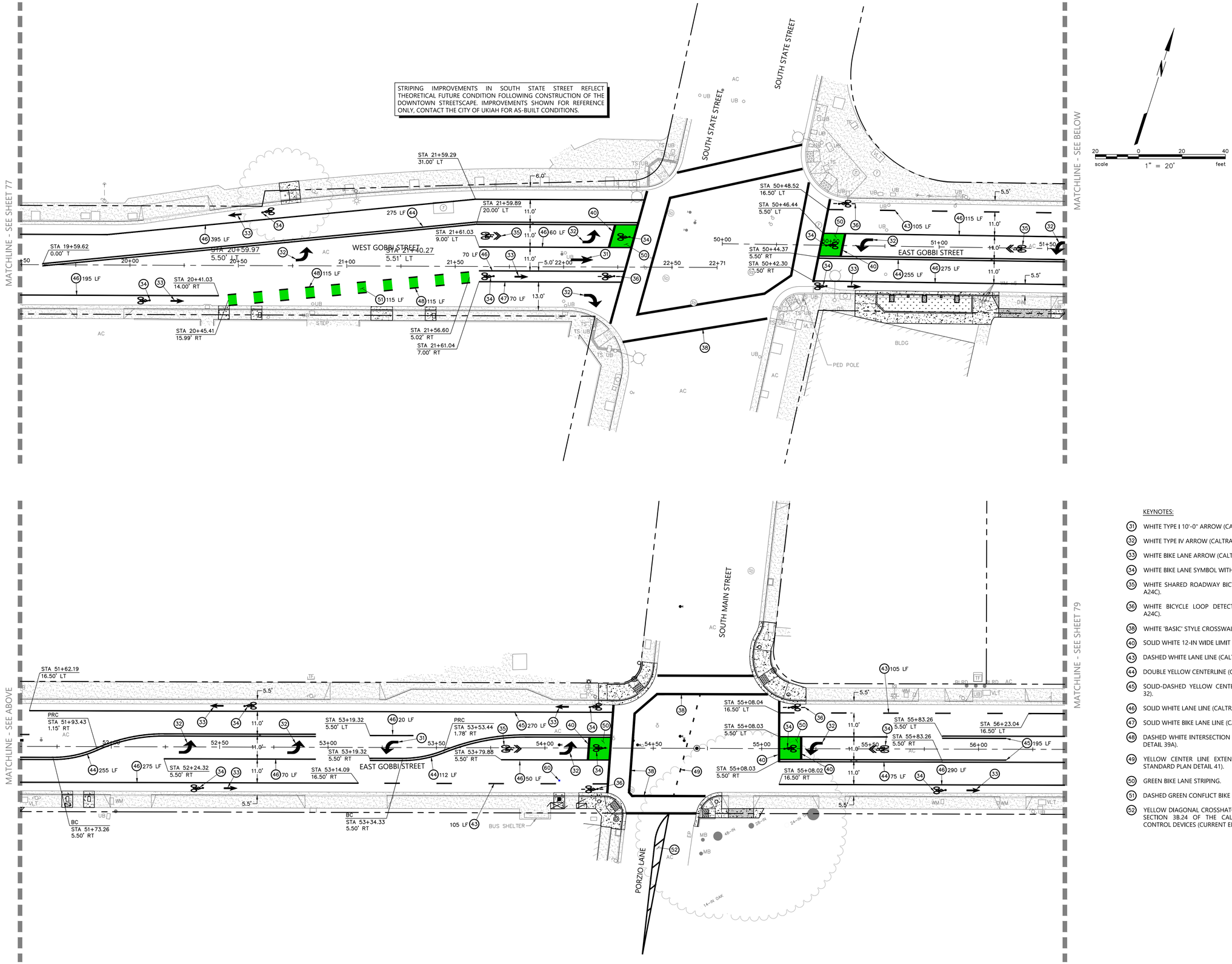
STRIPING IMPROVEMENTS IN SOUTH STATE STREET REFLECT THEORETICAL FUTURE CONDITION FOLLOWING CONSTRUCTION OF THE DOWNTOWN STREETSCAPE. IMPROVEMENTS SHOWN FOR REFERENCE ONLY, CONTACT THE CITY OF UKIAH FOR AS-BUILT CONDITIONS.



KEYNOTES:

(31) WHITE TYPE I 10'-0" ARROW (CALTRANS STANDARD PLAN A24A).

(32) WHITE TYPE IV ARROW (CALTRANS STANDARD PLAN A24A).

(33) WHITE BIKE LANE ARROW (CALTRANS STANDARD PLAN A24A).

(34) WHITE BIKE LANE SYMBOL WITH PERSON (CALTRANS STANDARD PLAN A24C).

(35) WHITE SHARED ROADWAY BICYCLE MARKING (CALTRANS STANDARD PLAN A24C).

(36) WHITE BICYCLE LOOP DETECTOR SYMBOL (CALTRANS STANDARD PLAN A24C).

(38) WHITE 'BASIC' STYLE CROSSWALK (CALTRANS STANDARD PLAN DETAIL A24F).

(40) SOLID WHITE 12-IN WIDE LIMIT LINE (CALTRANS STANDARD PLAN A24G).

(43) DASHED WHITE LANE LINE (CALTRANS STANDARD PLAN DETAIL 9).

(44) DOUBLE YELLOW CENTERLINE (CALTRANS STANDARD PLAN DETAIL 21).

(45) SOLID-DASHED YELLOW CENTERLINE (CALTRANS STANDARD PLAN DETAIL 32).

(46) SOLID WHITE LANE LINE (CALTRANS STANDARD PLAN DETAIL 38).

(47) SOLID WHITE BIKE LANE LINE (CALTRANS STANDARD PLAN DETAIL 39).

(48) DASHED WHITE INTERSECTION LINE BIKE LANE (CALTRANS STANDARD PLAN DETAIL 39A).

(49) YELLOW CENTER LINE EXTENSION THROUGH INTERSECTION (CALTRANS STANDARD PLAN DETAIL 41).

(50) GREEN BIKE LANE STRIPING.

(51) DASHED GREEN CONFLICT BIKE LANE STRIPING.

(52) YELLOW DIAGONAL CROSSHATCH MEDIAN STRIPING IN ACCORDANCE WITH SECTION 3B.24 OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CURRENT EDITION).

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GOBBI STREET UTILITY REPLACEMENT
CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

STRIPING AND SIGNAGE PLAN

Revisions

No.					

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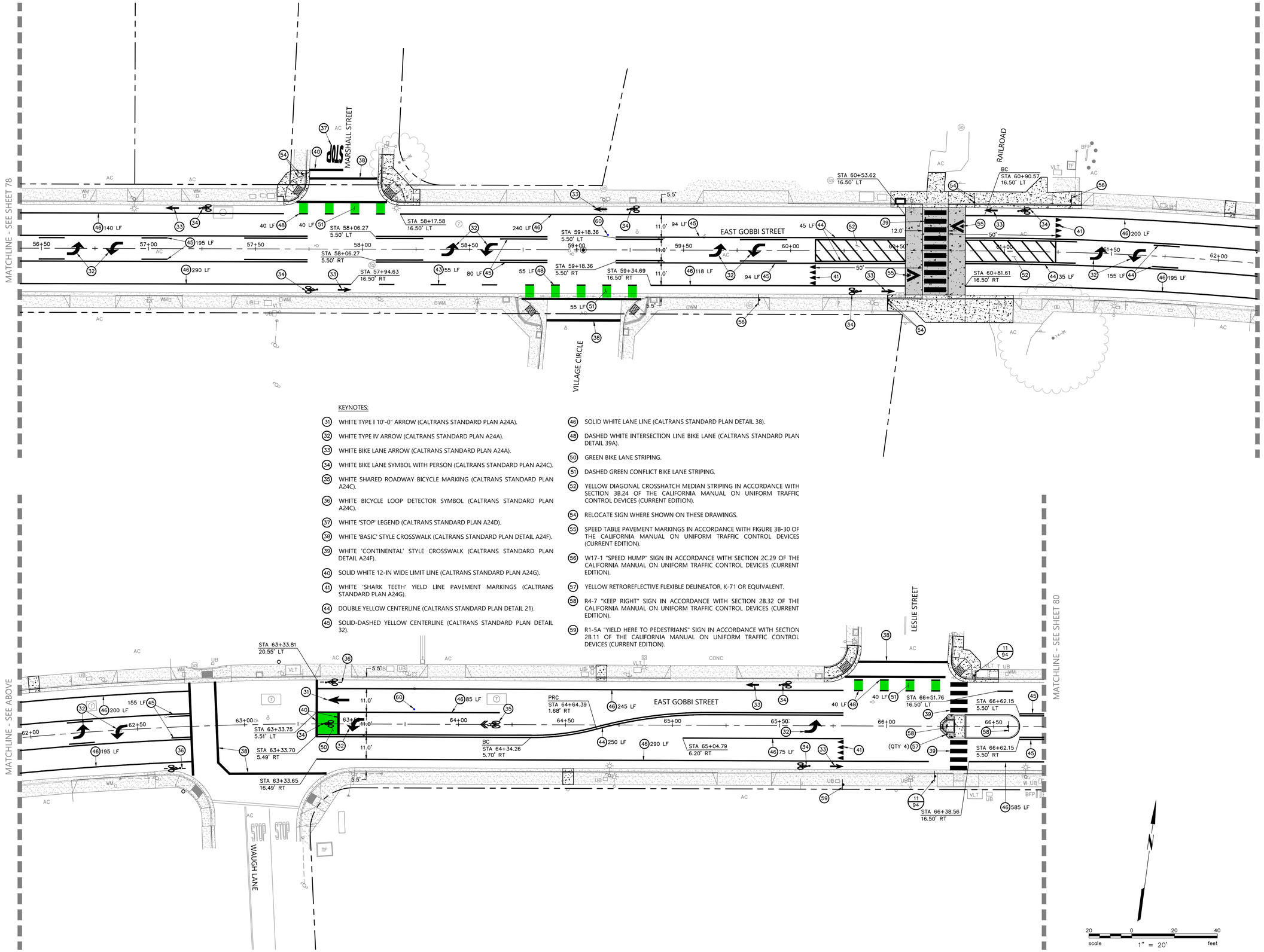

KEYNOTES:

(31) WHITE TYPE I 10'-0" ARROW (CALTRANS STANDARD PLAN A24A).

(32) WHITE TYPE IV ARROW (CALTRANS STANDARD PLAN A24A).

(33) WHITE BIKE LANE ARROW (CALTRANS STANDARD PLAN A24A).

(34) WHITE BIKE LANE SYMBOL WITH PERSON (CALTRANS STANDARD PLAN A24C).

(35) WHITE SHARED ROADWAY BICYCLE MARKING (CALTRANS STANDARD PLAN A24C).

(36) WHITE BICYCLE LOOP DETECTOR SYMBOL (CALTRANS STANDARD PLAN A24C).

(37) WHITE 'STOP' LEGEND (CALTRANS STANDARD PLAN A24D).

(38) WHITE 'BASIC' STYLE CROSSWALK (CALTRANS STANDARD PLAN DETAIL A24F).

(39) WHITE 'CONTINENTAL' STYLE CROSSWALK (CALTRANS STANDARD PLAN DETAIL A24F).

(40) SOLID WHITE 12-IN WIDE LIMIT LINE (CALTRANS STANDARD PLAN A24G).

(41) WHITE 'SHARK TEETH' YIELD LINE PAVEMENT MARKINGS (CALTRANS STANDARD PLAN A24G).

(44) DOUBLE YELLOW CENTERLINE (CALTRANS STANDARD PLAN DETAIL 21).

(45) SOLID-DASHED YELLOW CENTERLINE (CALTRANS STANDARD PLAN DETAIL 32).

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(50) GREEN BIKE LANE STRIPING.

(51) DASHED GREEN CONFLICT BIKE LANE STRIPING.

(52) YELLOW DIAGONAL CROSSHATCH MEDIAN STRIPING IN ACCORDANCE WITH SECTION 3B.24 OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CURRENT EDITION).

(54) RELOCATE SIGN WHERE SHOWN ON THESE DRAWINGS.

(55) SPEED TABLE PAVEMENT MARKINGS IN ACCORDANCE WITH FIGURE 3B-30 OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CURRENT EDITION).

(56) W17-1 "SPEED HUMP" SIGN IN ACCORDANCE WITH SECTION 2C.29 OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CURRENT EDITION).

(57) YELLOW RETROREFLECTIVE FLEXIBLE DELINEATOR, K-71 OR EQUIVALENT.

(58) R4-7 "KEEP RIGHT" SIGN IN ACCORDANCE WITH SECTION 2B.32 OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CURRENT EDITION).

(59) R1-5A "YIELD HERE TO PEDESTRIANS" SIGN IN ACCORDANCE WITH SECTION 2B.11 OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CURRENT EDITION).

REGISTERED PROFESSIONAL ENGINEER REBECCA DOWER No. C 80868 CIVIL STATE OF CALIFORNIA

C 80868

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STRIPING AND SIGNAGE PLAN

No.	Revisions

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Job No: 20210758

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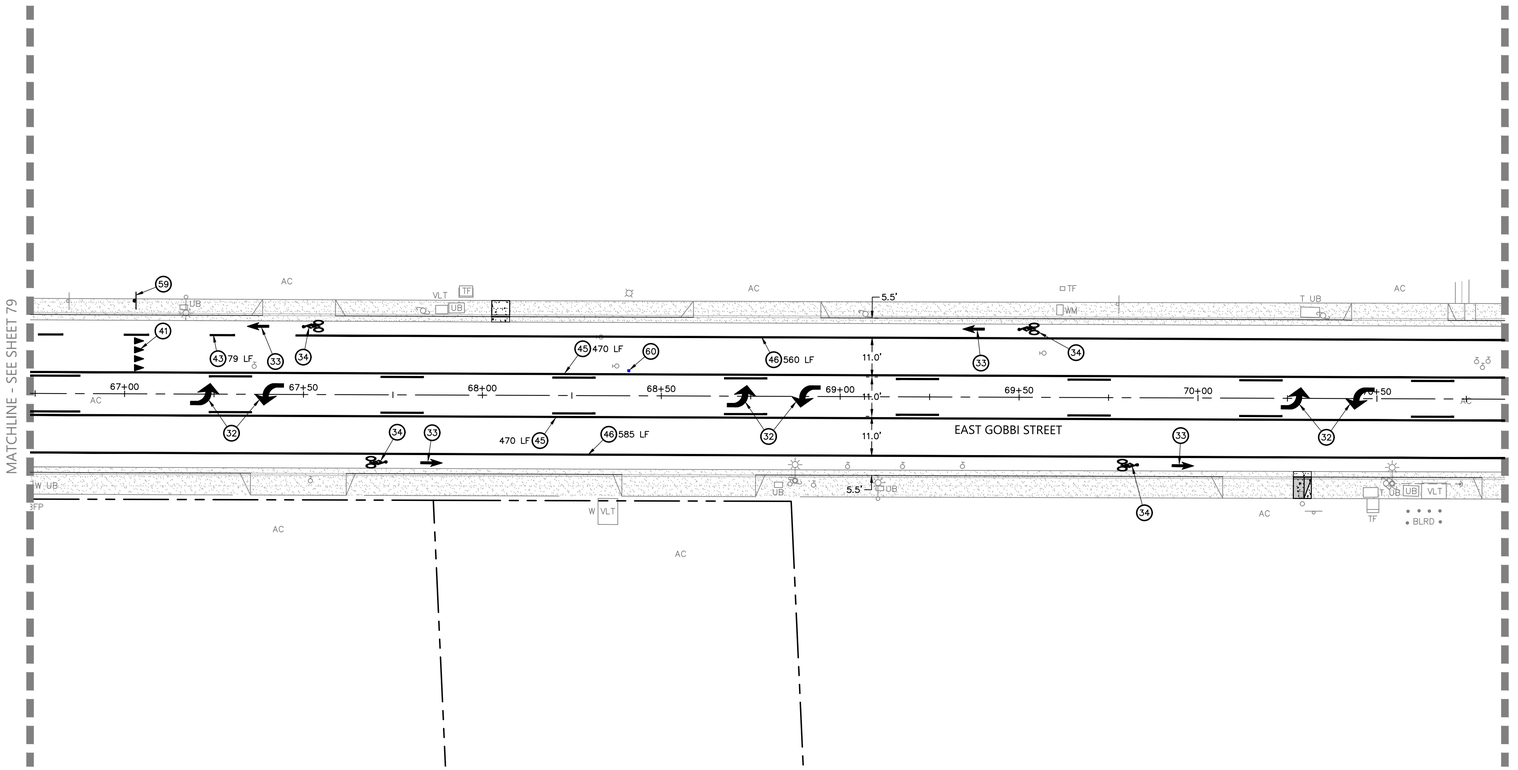

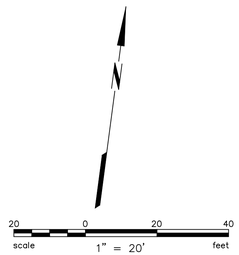

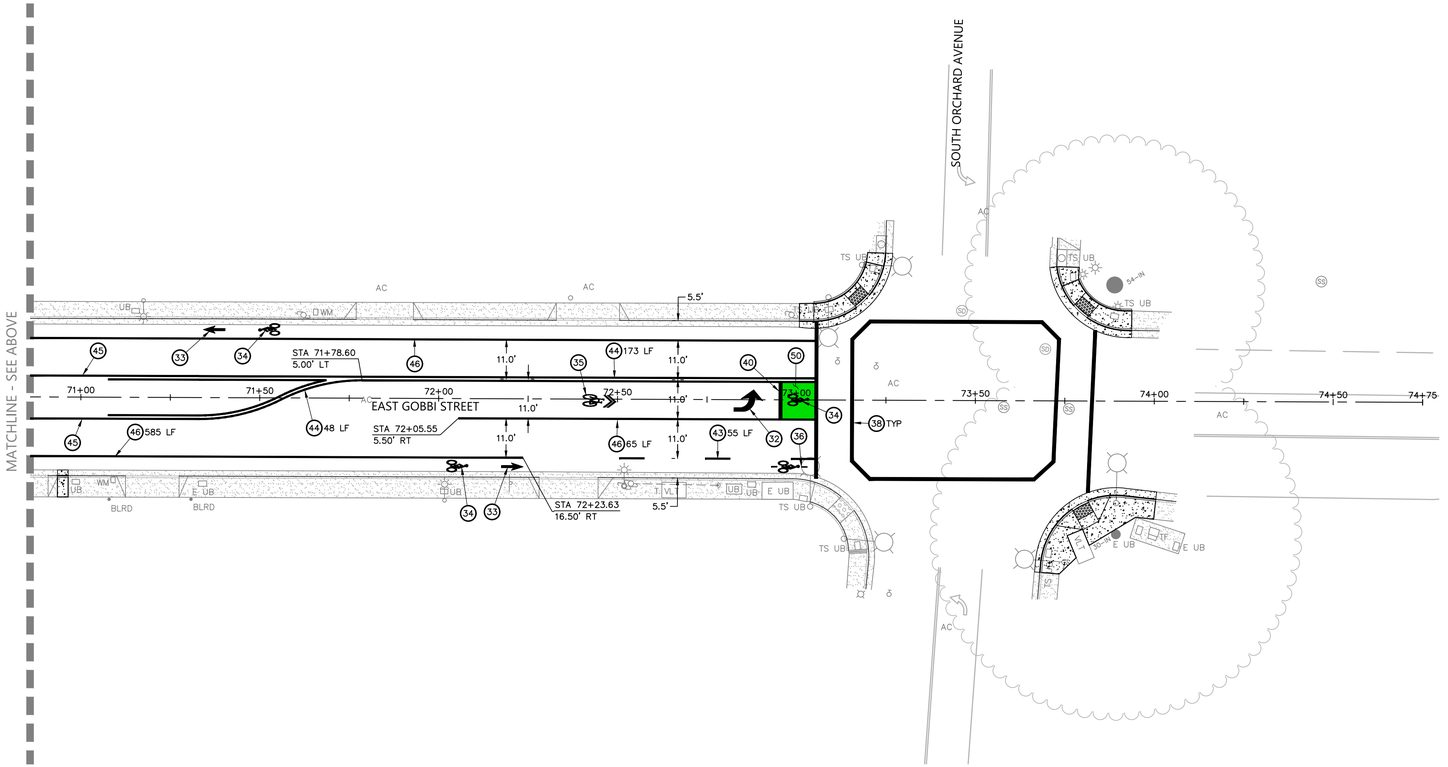

KEYNOTES:

(32) WHITE TYPE IV ARROW (CALTRANS STANDARD PLAN A24A).

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(34) WHITE BIKE LANE SYMBOL WITH PERSON (CALTRANS STANDARD PLAN A24C).

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(45) SOLID-DASHED YELLOW CENTERLINE (CALTRANS STANDARD PLAN DETAIL 32).

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(50) GREEN BIKE LANE STRIPING.

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(59) R1-5A "YIELD HERE TO PEDESTRIANS" SIGN IN ACCORDANCE WITH SECTION 2B.11 OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CURRENT EDITION).

REGISTERED PROFESSIONAL ENGINEER * REBECCA DOWER * No. C 80868 * CIVIL * STATE OF CALIFORNIA

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CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

STRIPING AND SIGNAGE PLAN

Revisions

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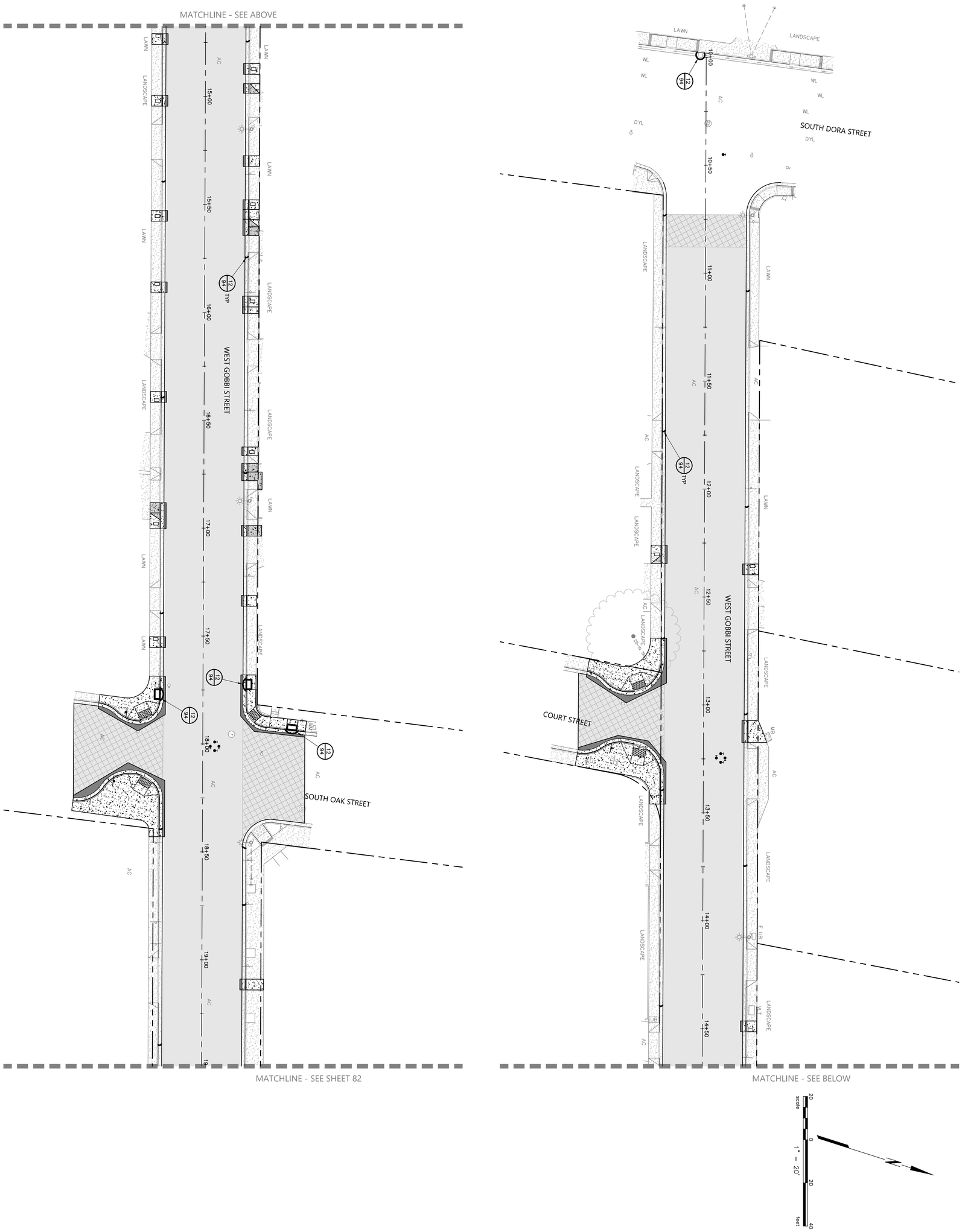

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EROSION AND SEDIMENT CONTROL PLAN

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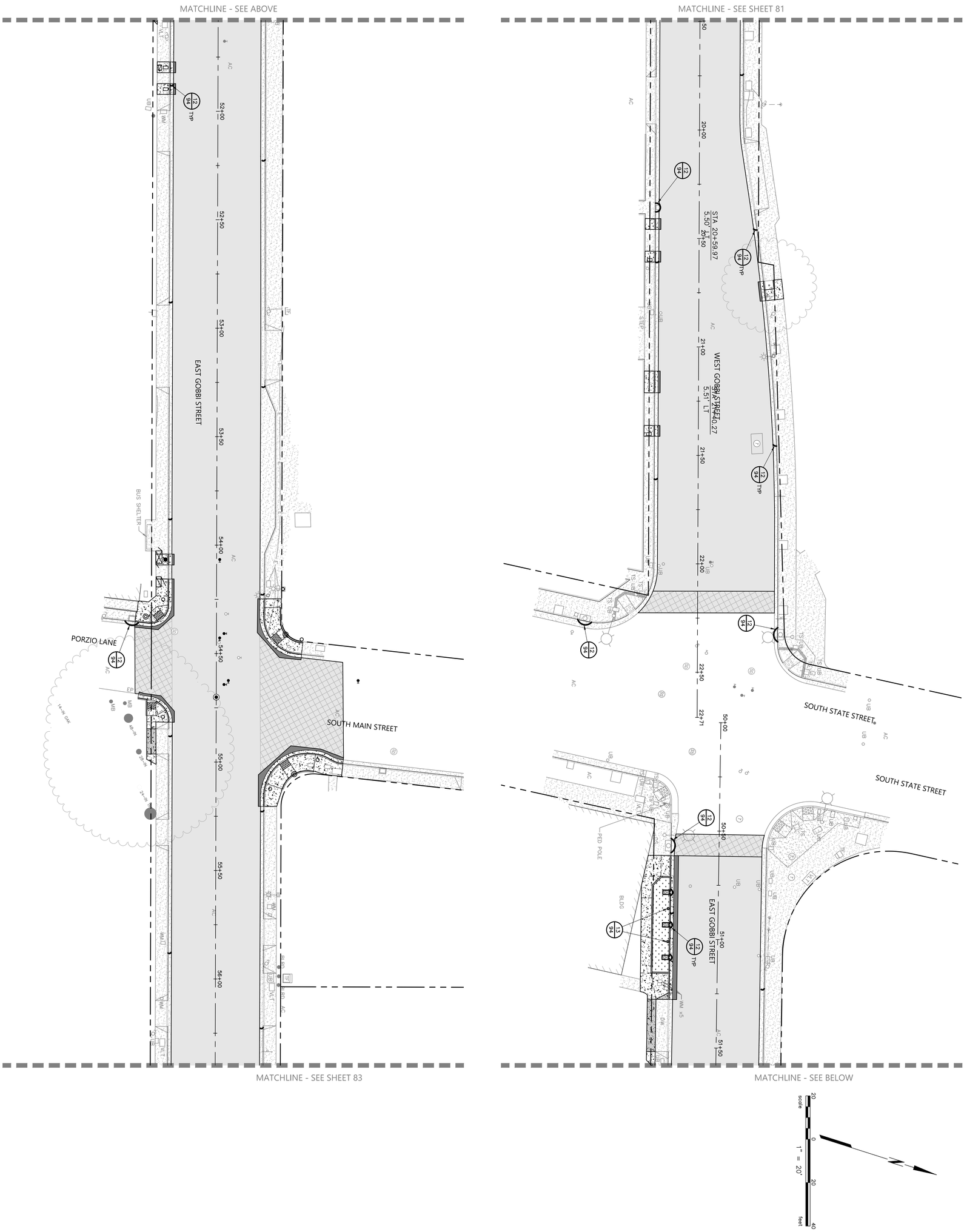

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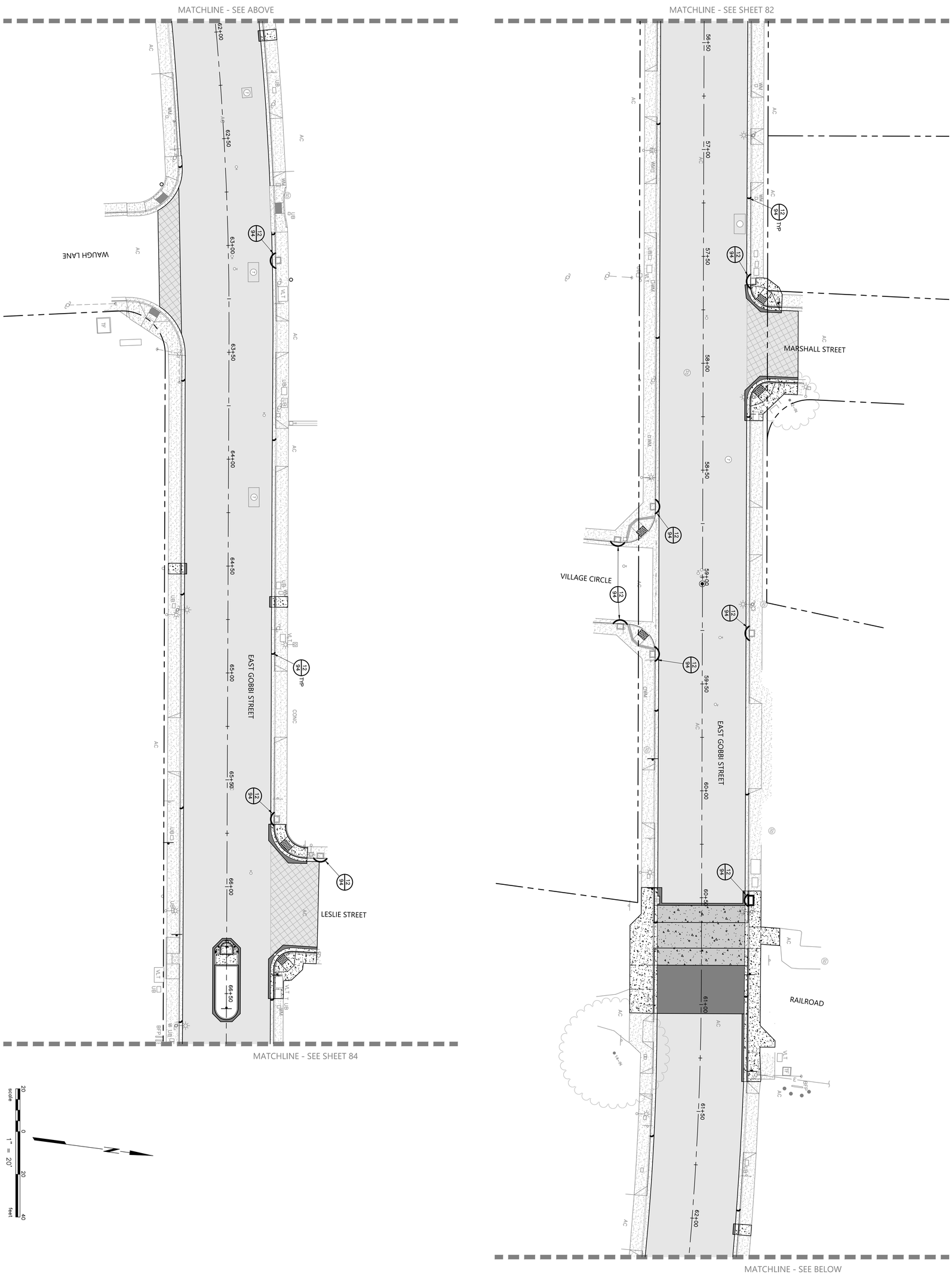

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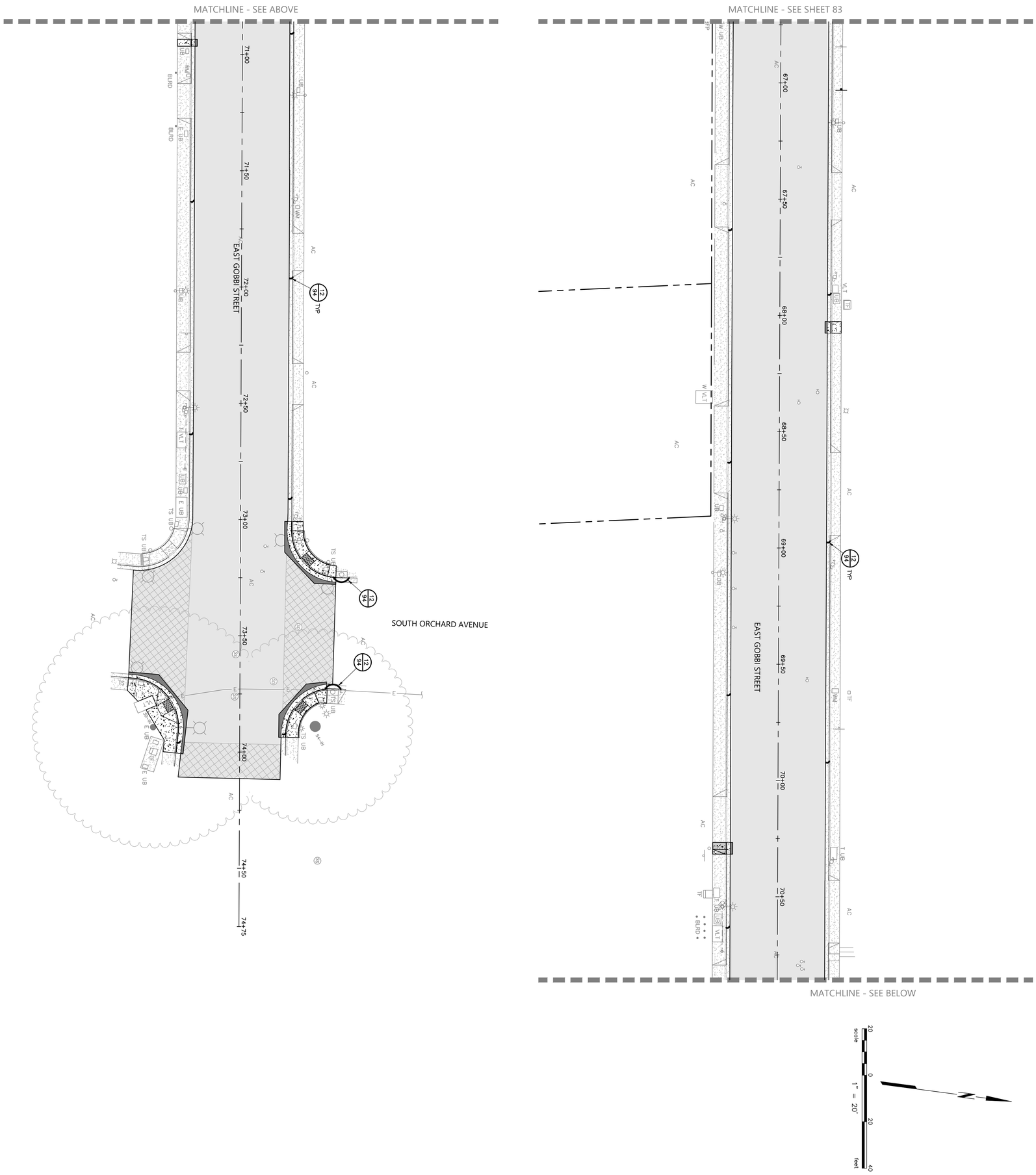

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Approved: BD				
Job No: 20210758			**EROSION AND SEDIMENT CONTROL PLAN**	REBECCA DOWER C 80868 10/20/2023

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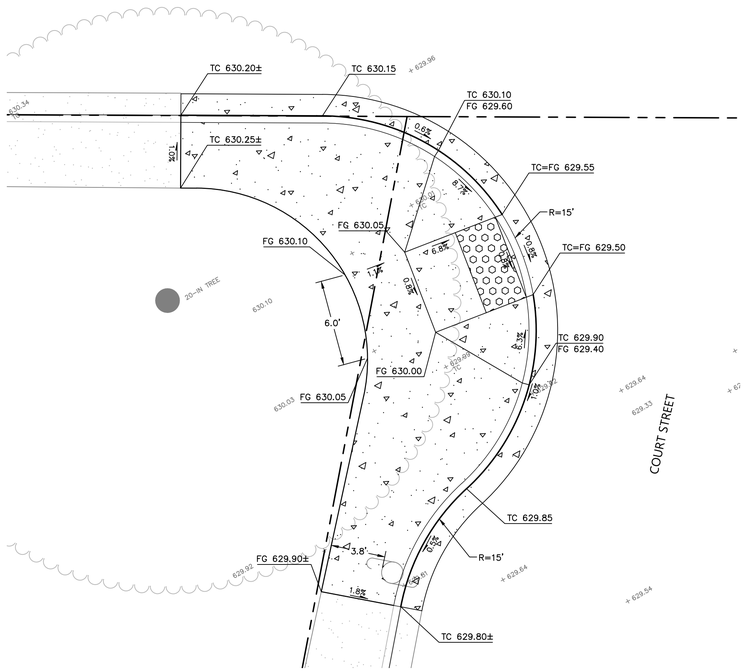
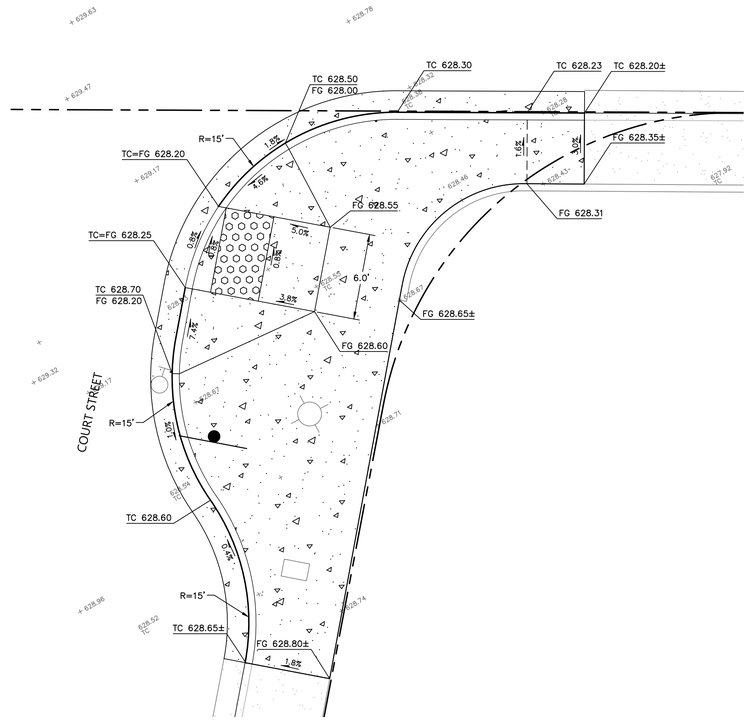


CR1 — **CURB RAMP ONE**
1" = 5'



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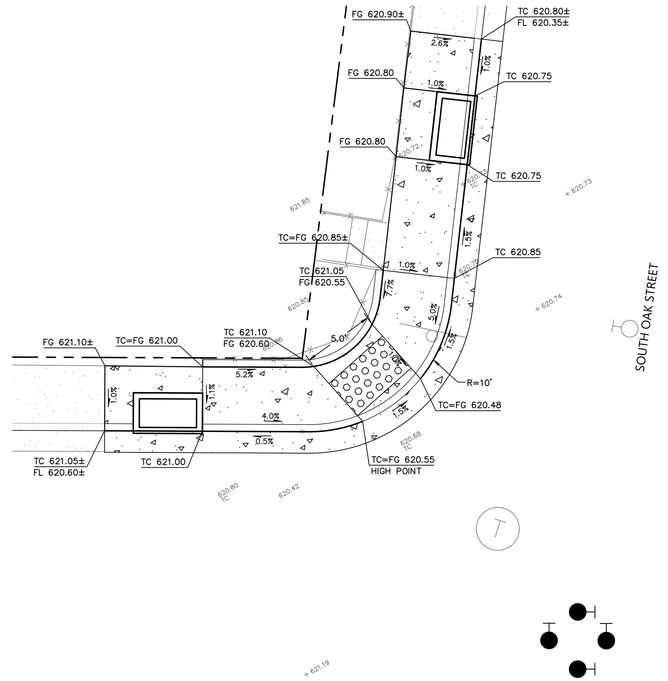

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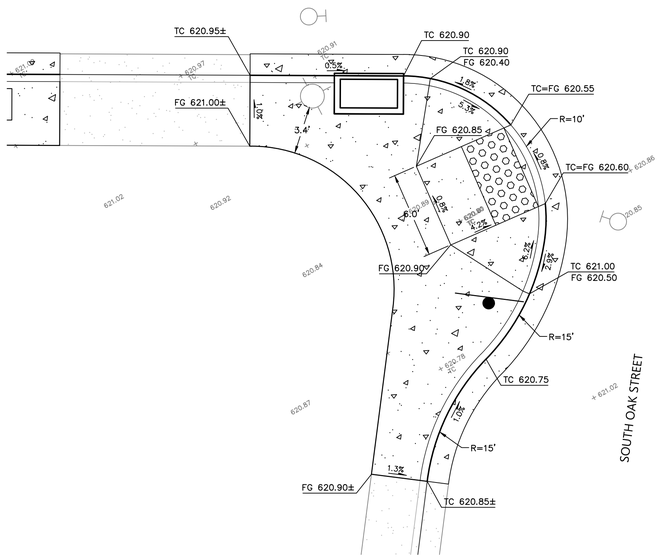

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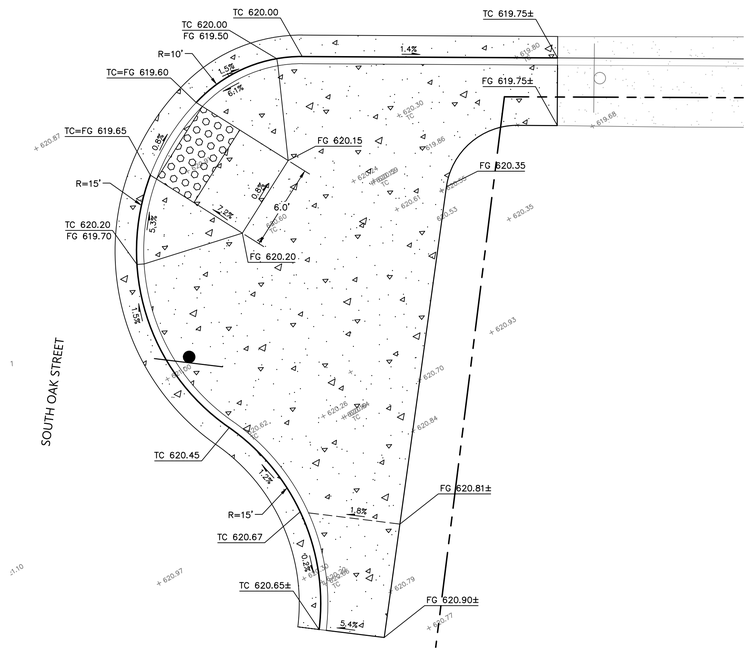

CR5 — **CURB RAMP FIVE**
1" = 5'

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REBECCA DOWER C 80868
10/20/2023

URBAN CORE REHABILITATION
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CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

CURB RAMP GRADING DETAILS

No.	Revisions

Date: OCT 2023
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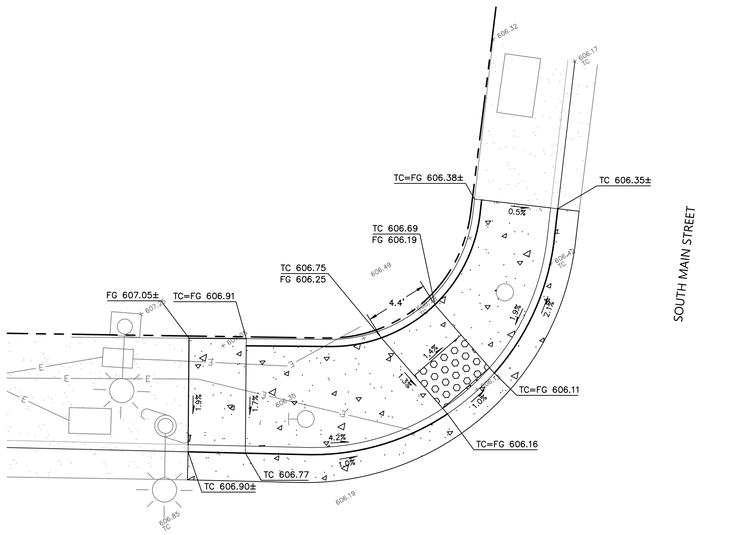

CR6 — **CURB RAMP SIX**
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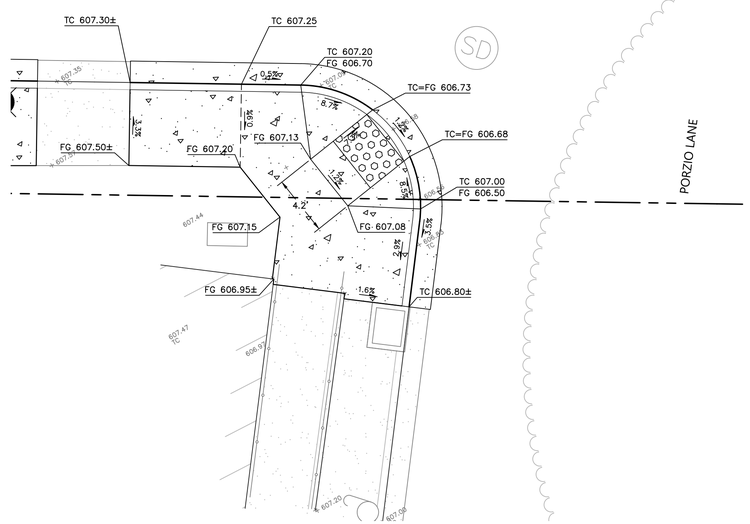

CR7 — **CURB RAMP SEVEN**
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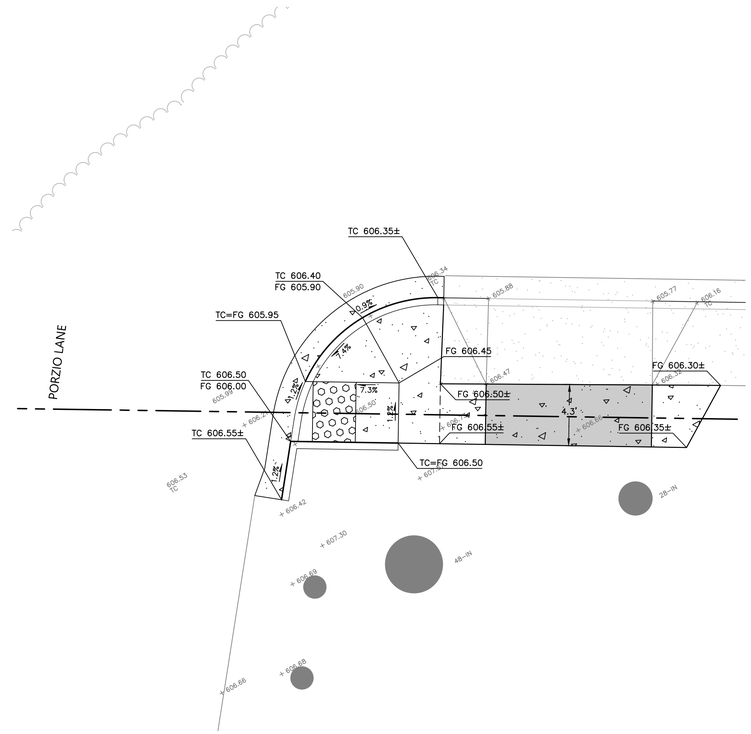
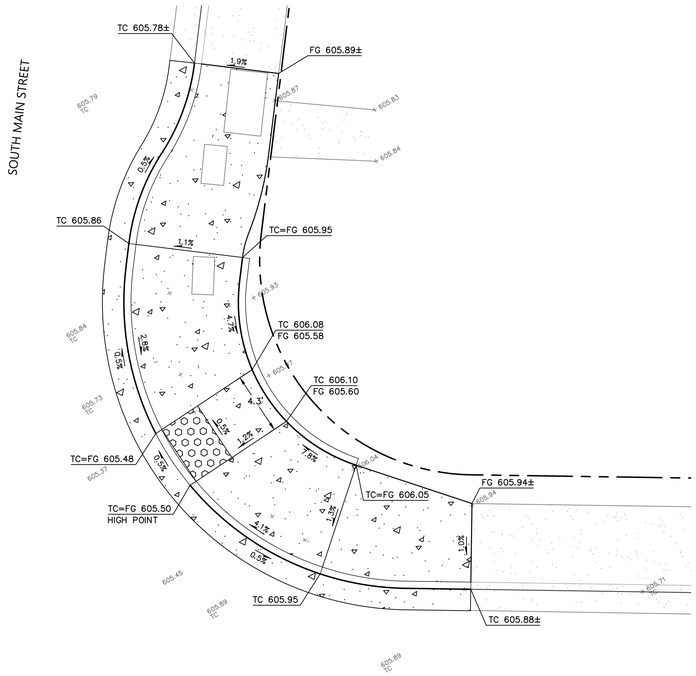
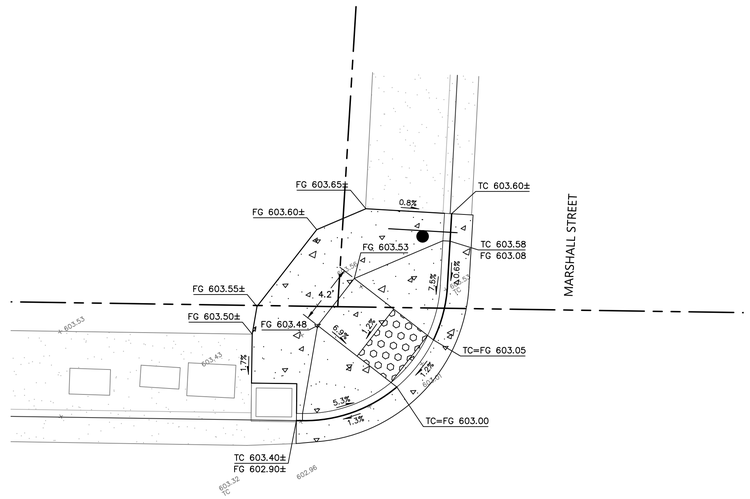


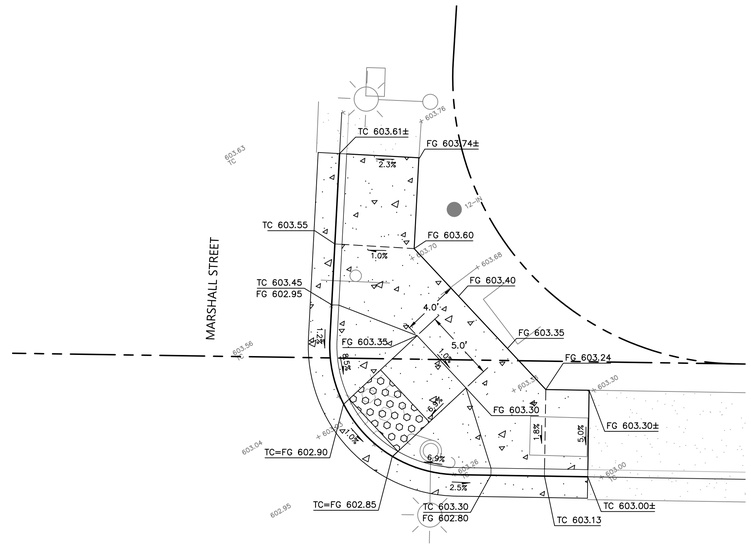
CR8 — **CURB RAMP EIGHT**
1" = 5'



CR9 — **CURB RAMP NINE**
1" = 5'



CR10 — **CURB RAMP TEN**
1" = 5'



CR11 — **CURB RAMP ELEVEN**
1" = 5'

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REBECCA DOWER C 80868
10/20/2023

URBAN CORE REHABILITATION
GOBBI STREET UTILITY REPLACEMENT
CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

CURB RAMP GRADING DETAILS

No.	Revisions

Date: OCT 2023
Scale: AS SHOWN
Design: BD
Drawn: BTL
Approved: BD
Job No: 20210758

Drawing Number:

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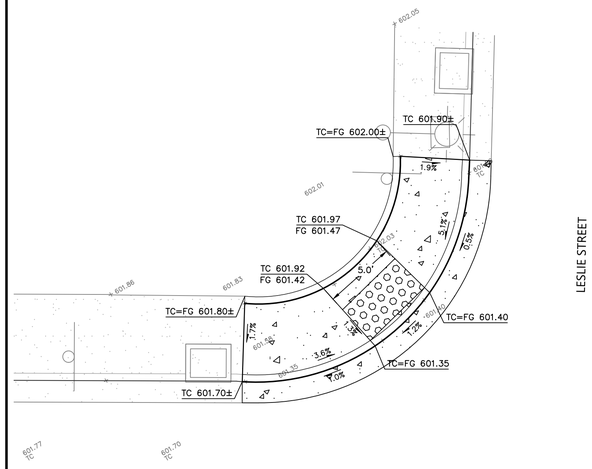
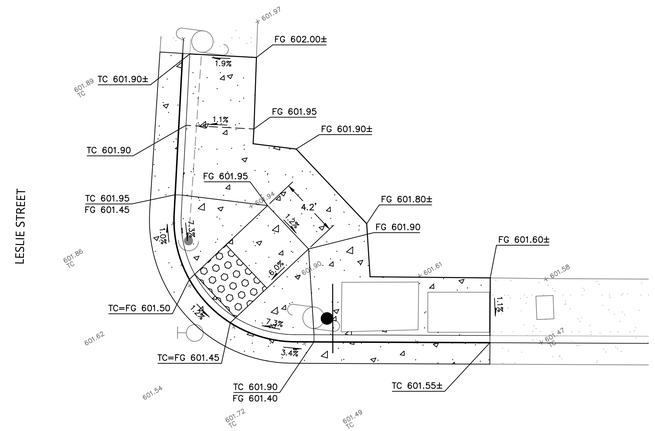
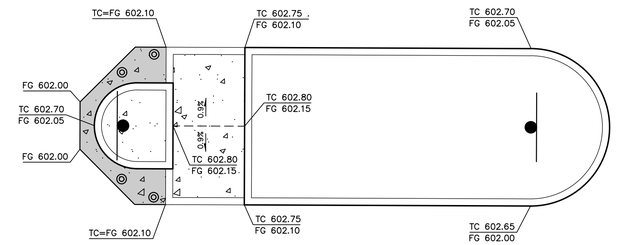
210758_IMPR.dwg
Plot: Oct 17, 2023 at 6:59pm



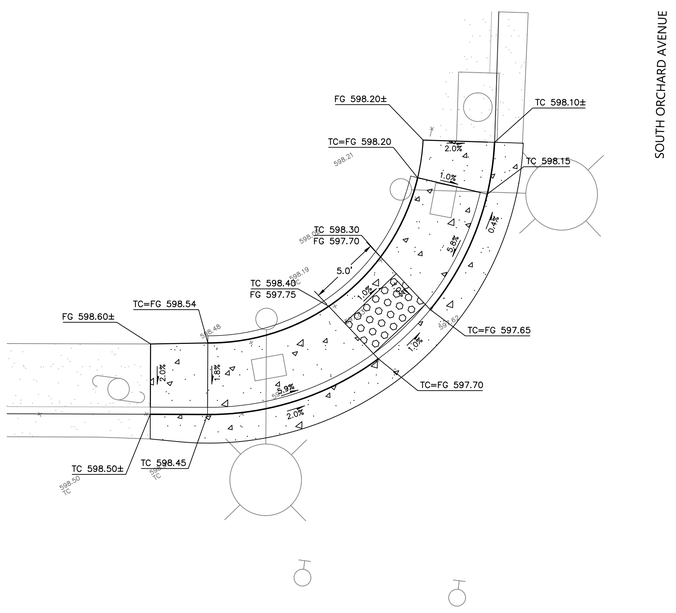
CR12 — **CURB RAMP TWELVE**
1" = 5'



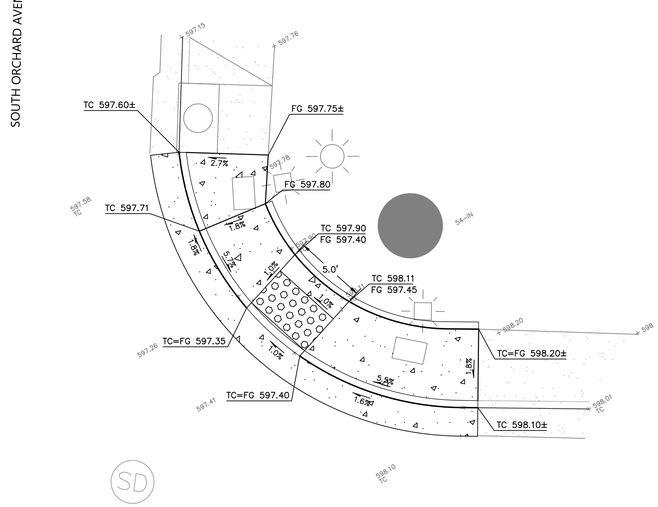
CR13 — **CURB RAMP THIRTEEN**
1" = 5'



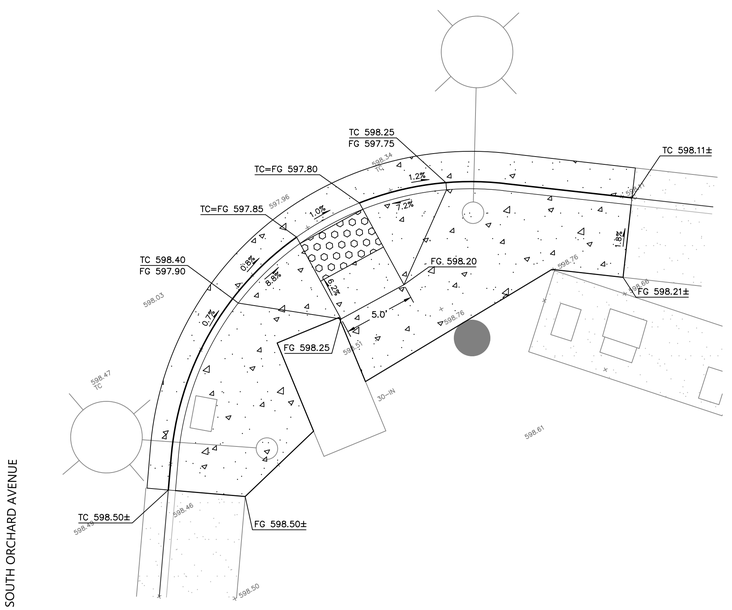
CR14 — **CURB RAMP FOURTEEN**
1" = 5'



CR14 — **CURB RAMP FIFTEEN**
1" = 5'



CR15 — **CURB RAMP SIXTEEN**
1" = 5'



CR16 — **CURB RAMP SEVENTEEN**
1" = 5'

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10/20/2023

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URBAN CORE REHABILITATION
GOBBI STREET UTILITY REPLACEMENT
CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

CURB RAMP GRADING DETAILS

No.	Revisions

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Drawing Number:

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Plot: Oct 19, 2023 at 1:57pm
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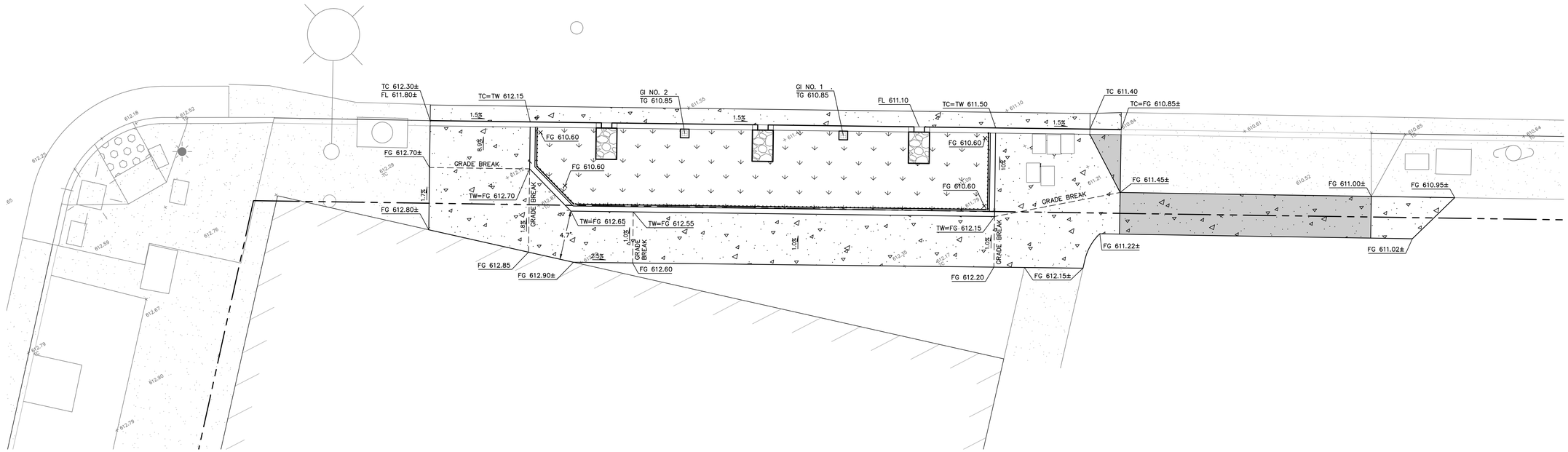

BR-1 **BIORETENTION AREA GRADING**

1" = 5'

5 0 5 10

scale 1" = 5' feet

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GOBBI STREET UTILITY REPLACEMENT
CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

BIORETENTION GRADING DETAIL

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Date: OCT 2023
Scale: AS SHOWN
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Approved: BD
Job No: 20210758

Drawing Number:

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Plot Oct 17, 2023 at 6:37pm

210758_BMPR.dwg

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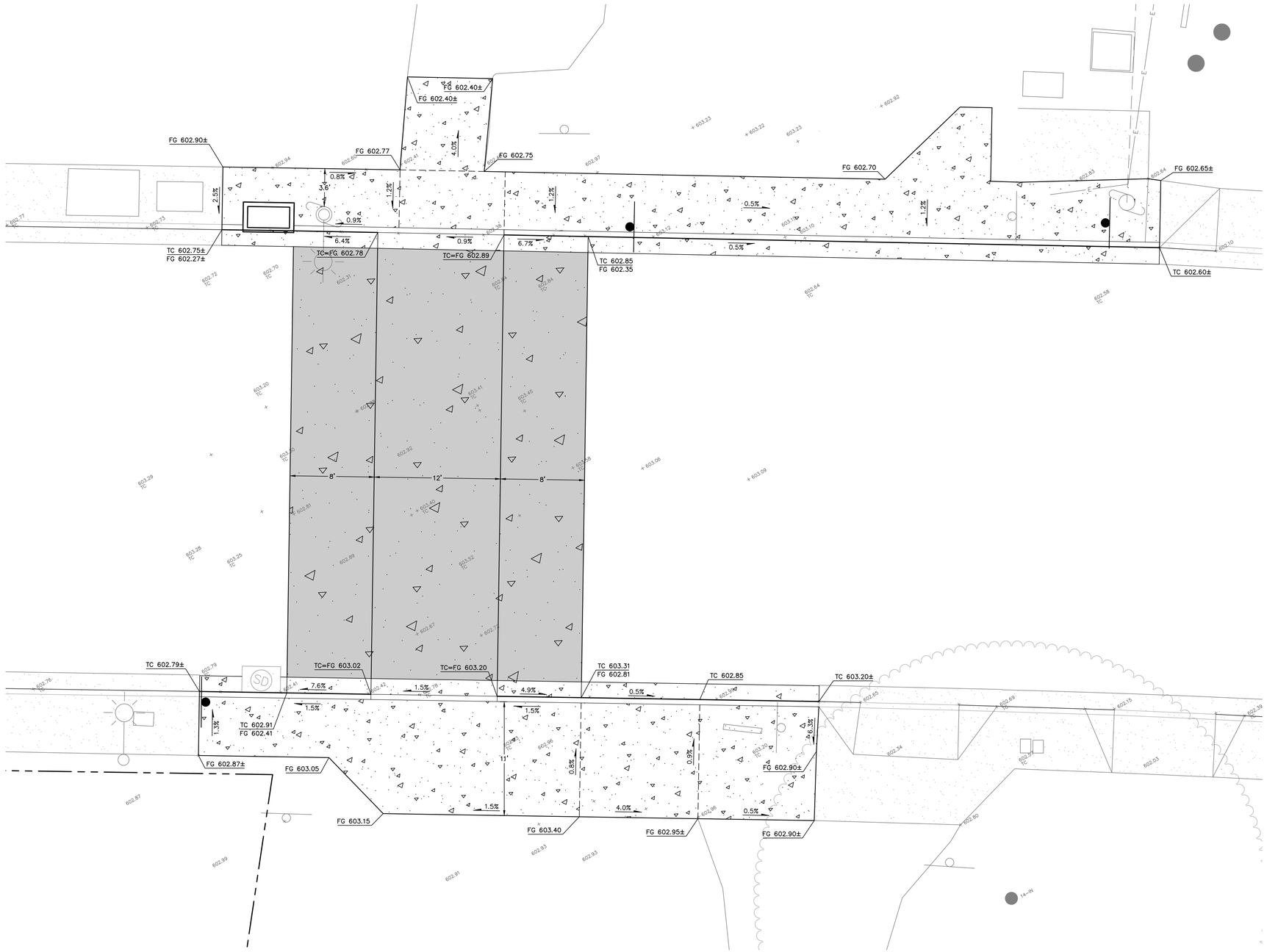

RAILROAD CROSSING GRADING

RR-1 — 1" = 5'

5 0 5 10
scale 1" = 5' feet

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CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

RAILROAD CROSSING GRADING DETAIL

No.	Revisions

Date: OCT 2023
Scale: AS SHOWN
Design: BD
Drawn: BTL
Approved: BD
Job No: 20210758

Drawing Number:

89 OF 143

Plot Oct 19, 2023 at 9:25am
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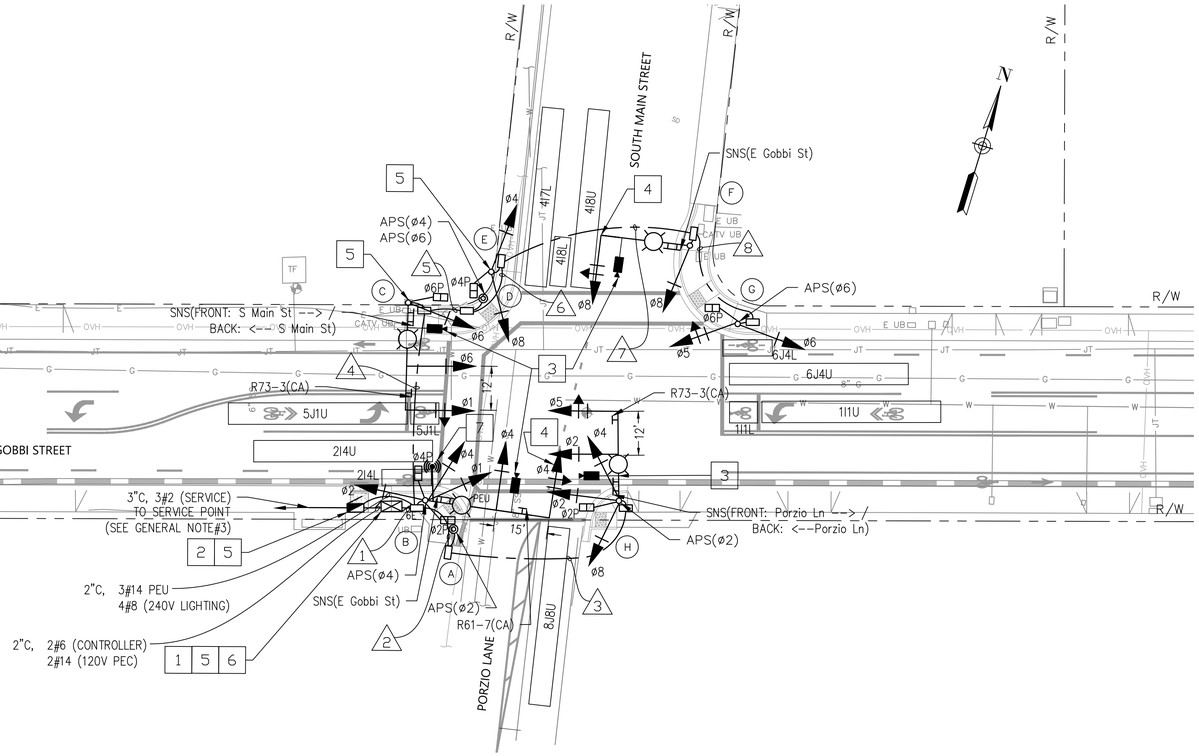
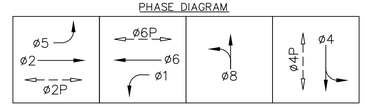
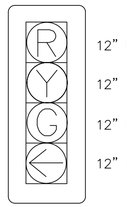
CONSTRUCTION NOTES (THIS SHEET ONLY):

1. FURNISH AND INSTALL MCCAIN 2070E CONTROLLER ASSEMBLY WITH 2033 SOFTWARE (TO INCLUDE 2070-6A MODEM AND 2070-7B SYNC COMM MODULE) AND SAFETRAN 332 CABINET TO BE PROVIDED BY CONTRACTOR. CONTROLLER AND CABINET MUST BE DELIVERED TO THE CITY PUBLIC WORKS ELECTRICAL SECTION TEN (10) WORKING DAYS PRIOR TO CONTRACTOR'S SCHEDULED INSTALL DATE IN ORDER TO TEST CABINET AND CONTROLLER. CONTACT SIGNAL MAINTENANCE SUPERVISOR AT 707.463.6297 TO SCHEDULE. MODEL 332 CABINET TO INCLUDE: TASK LIGHTING, DOCUMENT DRAWER, AND QUICK RELEASE CABINET FAN MOUNT, ONE (1) MODEL ML6916E, 12-200 I/O LOAD SWITCHES, 2-204 FLASHERS, 3-242 DC ISOLATOR, 2-222 DETECTOR AMPLIFIERS, 1-EDI-2010 ECLIP CONFLICT MONITOR UNIT, AND ALL NECESSARY CARDS, MODULES, AND COMPONENTS TO OPERATE INTERSECTION.
2. FURNISH AND INSTALL TYPE III-AF SERVICE ENCLOSURE, PER CALTRANS STANDARD PLAN ES-2D. INSTALL ITEMS①-⑥,⑮-⑰,⑳AND㉒. INSTALL BATTERY BACKUP SYSTEM IN NEMA ENCLOSURE, TESCO 22-000-BBS OR APPROVED EQUAL.
3. FURNISH AND INSTALL VIDEO CAMERA DETECTION, CAMERA SHALL BE ITERIS VANTAGE NEXT, OR APPROVED EQUAL.
4. FURNISH AND INSTALL 4-SECTION SIGNAL HEAD. SEE DETAIL A ON THIS SHEET
5. FURTHER COORDINATION REQUIRED WITH CITY REGARDING RIGHT-OF-WAY
6. INSTALL ENCOM E-LITE 450 INT DUAL NC IN TRAFFIC SIGNAL CABINET.
7. INSTALL ENCOM WIRELESS ANTENNA (ENCOM E-LITE 450) & ANTENNA KIT ON LUMINAIRE ARM.



PHASE DIAGRAM





12" RED
12" YELLOW
12" GREEN
12" GREEN ARROW

DETAIL A: 4 SECTION SIGNAL HEAD
NTS

GENERAL NOTES (FOR SHEETS TR-1 TO TR-4):

1. THE WORK ON THESE PLANS SHALL BE PREPARED IN CONFORMANCE WITH THE LATEST EDITIONS OF THE CALTRANS STANDARD PLANS, STANDARD SPECIFICATIONS, CA MUTCD, AND CITY OF UKIAH STANDARD PLANS AND DETAILS.
2. A RUN OF CONDUIT SHALL NOT CONTAIN MORE THAN THE EQUIVALENT OF FOUR ¼ BENDS (360° TOTAL) INCLUDING OFFSETS AND BENDS LOCATED AT PULL BOXES AND SERVICE POINTS IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE 347-14.
3. CONTRACTOR SHALL COORDINATE SERVICE POINT WITH THE CITY OF UKIAH ELECTRIC UTILITY PRIOR TO COMMENCING WORK.
4. ALL PULL BOXES SHALL BE CALTRANS NO. 5 PER STANDARD PLANS ES-8A UNLESS OTHERWISE NOTED.
5. APS SYSTEM SHALL BE POLARA NAVIGATOR iNZ-TWO WIRE SYSTEM TO INCLUDE:
   - PPB STATION FOR 5X7 SIGN
   - 5"X7" R10-3E SIGN
   - iCCU-S2 FOR 332 CABINET
   - CUSTOM MESSAGE WITH STREET NAMES
6. POLE AND PULL BOXES LOCATIONS SHALL BE VERIFIED BY THE CITY ENGINEER PRIOR TO INSTALLATION.
7. CONTRACTOR SHALL VERIFY OVERHEAD AND UNDERGROUND CLEARANCE WITH ALL UTILITY COMPANIES PRIOR TO START OF WORK.
8. PULL BOXES FOR SIGNAL STANDARDS SHALL BE LOCATED WITHIN FIVE FEET OF THE STANDARD.
9. ALL SIGNAL HEADS SHALL BE 12-INCH LED INDICATIONS, WITH TUNNEL VISORS AND BACKPLATES.
10. RECORD DRAWINGS SHALL BE PROVIDED TO THE CITY OF UKIAH AT THE CLOSE OF THE PROJECT.
11. CONTRACTOR SHALL DELIVER ALL SALVAGED SIGNAL EQUIPMENT TO THE CITY OF UKIAH PUBLIC WORKS CORPORATION YARD AT 1320 AIRPORT ROAD. CONTACT (707) 463-6296 TO ARRANGE DELIVERY.
12. INSTALL 2-INCH RETROREFLECTIVE STRIP ON THE FACE AROUND THE PERIMETER OF THE BACKPLATES.

GRAPHIC SCALE
20 0 20 40

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URBAN CORE REHABILITATION
GOBBI STREET UTILITY REPLACEMENT PROJECT
CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

TRAFFIC SIGNAL INSTALLATION PLAN

No.	Revisions

Date: OCT 2023
Scale: AS SHOWN
Design: CW
Drawn: CW
Approved: JW
Job No: 20210758

Drawing Number:
TR-1
90 OF 143

Plot Oct 16, 2023 at 1:19pm

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CONDUCTOR AND CONDUIT SCHEDULE

AWG	CIRCUIT	RUNS								
		1	2	3	4	5	6	7	8	
No. 14	ø1	3			3					
	ø2	3	3	3						
	ø4	6	3	3	3	3	3			
	ø5	6	3	3	3	3	3	3	3	
	ø6	3			3	3	3	3	3	
	ø8	6	3	3	3	3	3	3		
	ø2P	4	2	2						
	ø4P	2			2	2	2			
	ø6P	2			2	2	2	2	2	
	APS ø2	2	2	1						
	APS ø4	2			1	1				
	APS ø6	2			2	2	1	1	1	
	APS COMMON	6	2	1	3	3	1	1	1	
	PEU	3								
	SPARES	6	3	3	3	3	3	3	3	
	TOTAL No. 14	56	21	19	28	25	21	16	13	
No. 8	SIGNAL NEUTRAL	2	1	1	1	1	1	1	1	
	LIGHTING (240 V)		2	2	2	2	2	2		
	TOTAL No. 8	2	3	3	3	3	3	3	1	
VIDEO DETECTION CABLE	6J4U, 6J4L, 1I1U, 1I1L	1			1					
	2I4U, 2I4L, 5J1U, 5J1L	1	1	1						
	8J8U	1			1	1	1	1		
	4I8U, 4I8L, 4I7L	1								
	TOTAL	4	1	1	2	1	1	1		
WIRELESS SIC CABLE										
	OUTDOOR RATED CAT6 CABLE	1								
	% FILL	12	10	9	13	11	10	8	5	
	CONDUIT SIZE (INCHES)	2-3	3	3	3	3	3	3	3	

* INSTALL NEW CONDUCTORS/CABLES PER SCHEDULE ABOVE.

△ NEW CONDUIT

POLE AND EQUIPMENT SCHEDULE

LOCATION	STANDARD			VEH SIG MTG		PED SIGNAL MTG	APS		LED* LUMINAIRE (WATTS)	SPECIAL REQUIREMENTS
	TYPE	SMA	LMA	MAST ARM	POLE		ø	ARROW		
(A)	PBA POST						ø2	←		INSTALL ACCESSIBLE PEDESTRIAN SYSTEM (APS ø2).
(B)	24-4-100	35'	12'	MAS MAS	SV-3-T	SP-2-T	ø4	→	110	INSTALL SNS(E Gobbi St)(2-SIDED), R61-7(CA) SIGN AND VIDEO DETECTION CAMERA ON SIGNAL MAST ARM. INSTALL PEU ON TOP OF POLE. INSTALL ENCOM E-LITE 450 WIRELESS ANTENNA ON LUMINAIRE ARM.
(C)	19-4-100	30'	12'	MAS MAS	SV-1-T	SP-1-T			110	INSTALL SNS(FRONT: S Main St --> / BACK: <-- S Main St), R73-3(CA) SIGN AND VIDEO DETECTION CAMERA ON SIGNAL MAST ARM.
(D)	PBA POST						ø6 ø4	→ ←		INSTALL ACCESSIBLE PEDESTRIAN SYSTEMS (APS ø4 AND APS ø6) WITH ADAPTER FOR MOUNTING 2 APS.
(E)	1-B				TV-2-T	SP-1-T				
(F)	19-4-100	25'	12'	MAS	SV-1-T				110	INSTALL SNS(E Gobbi St)(2-SIDED) AND VIDEO DETECTION CAMERA ON SIGNAL MAST ARM.
(G)	1-B				TV-2-T	SP-1-T	ø6	→		INSTALL ACCESSIBLE PEDESTRIAN SYSTEM (APS ø6).
(H)	19-4-100	25'	12'	MAS MAS	SV-3-T	SP-1-T	ø2	←	110	INSTALL SNS(FRONT: Porzio Ln --> / BACK: <-- Porzio Ln), R73-3(CA) SIGN AND VIDEO DETECTION CAMERA ON SIGNAL MAST ARM.

* = e-lite star SL3s-M LED STREET LIGHT ESU-E-A01-3P-032-30-M-105.

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URBAN CORE REHABILITATION
GOBBI STREET UTILITY REPLACEMENT PROJECT
CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

TRAFFIC SIGNAL SCHEDULES

No.	Revisions

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Scale: AS SHOWN
Design: CW
Drawn: CW
Approved: JW
Job No: 20210758

Drawing Number:
TR-2
91 OF 143

Plot Oct 16, 2023 at 1:19pm
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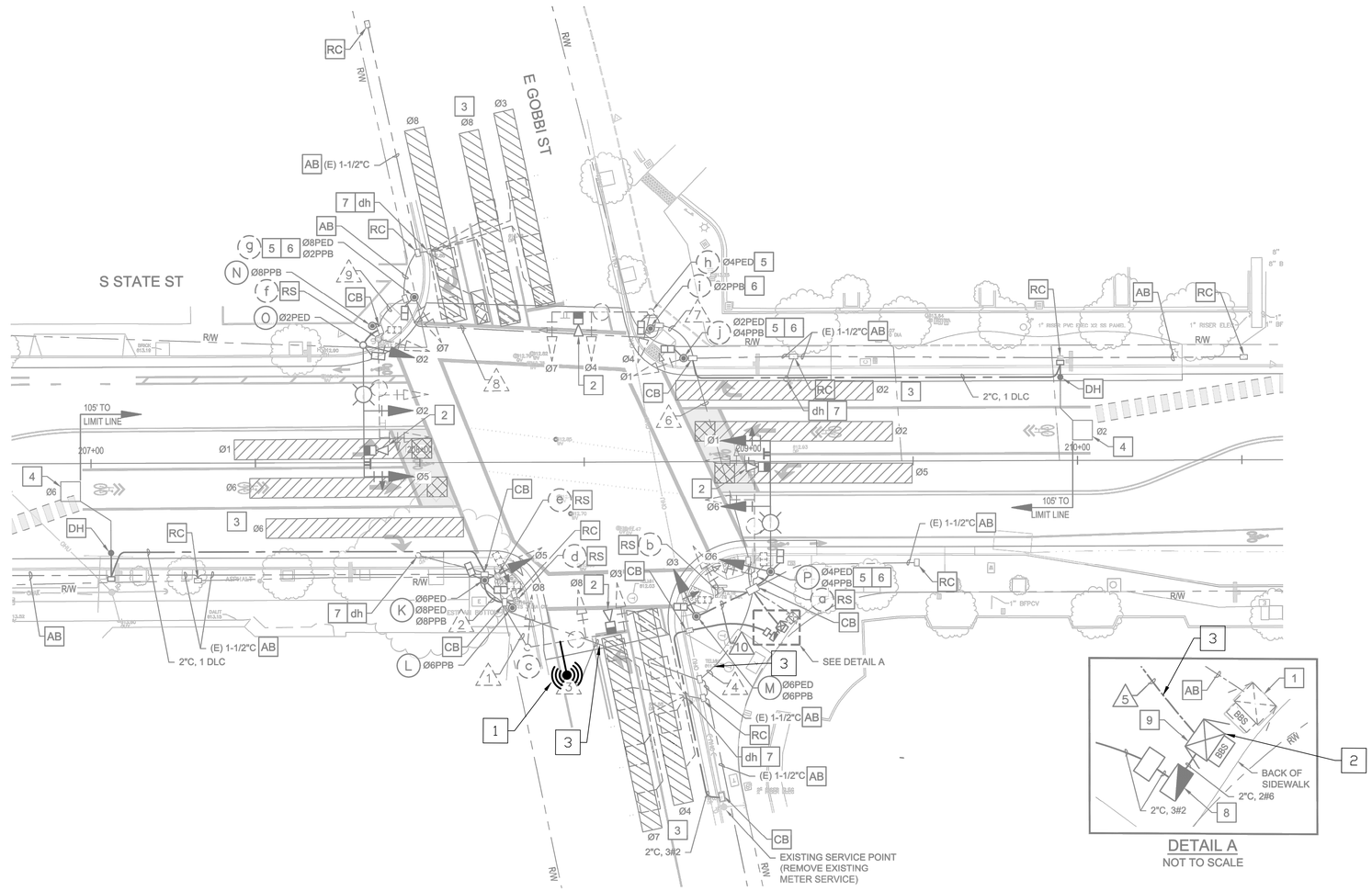
CONSTRUCTION NOTES (THIS SHEET ONLY):

1. INSTALL WIRELESS ANTENNA (ENCOM E-LITE 450) ON LUMINAIRE ARM OF THE EXISTING POLE C.
2. INSTALL ENCOM E-LITE 450 INT NC IN EXISTING CABINET.
3. INSTALL WIRELESS COMMUNICATION INDUSTRIAL OUTDOOR RATED CABLE (CAT6) IN EXISTING CONDUIT AS SHOWN.



DETAIL A
NOT TO SCALE

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URBAN CORE REHABILITATION
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CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

TRAFFIC SIGNAL INTERCONNECT PLAN

No.	Revisions

Date: OCT 2023
Scale: AS SHOWN
Design: CW
Drawn: CW
Approved: JW
Job No: 20210758

Drawing Number:
TR-3

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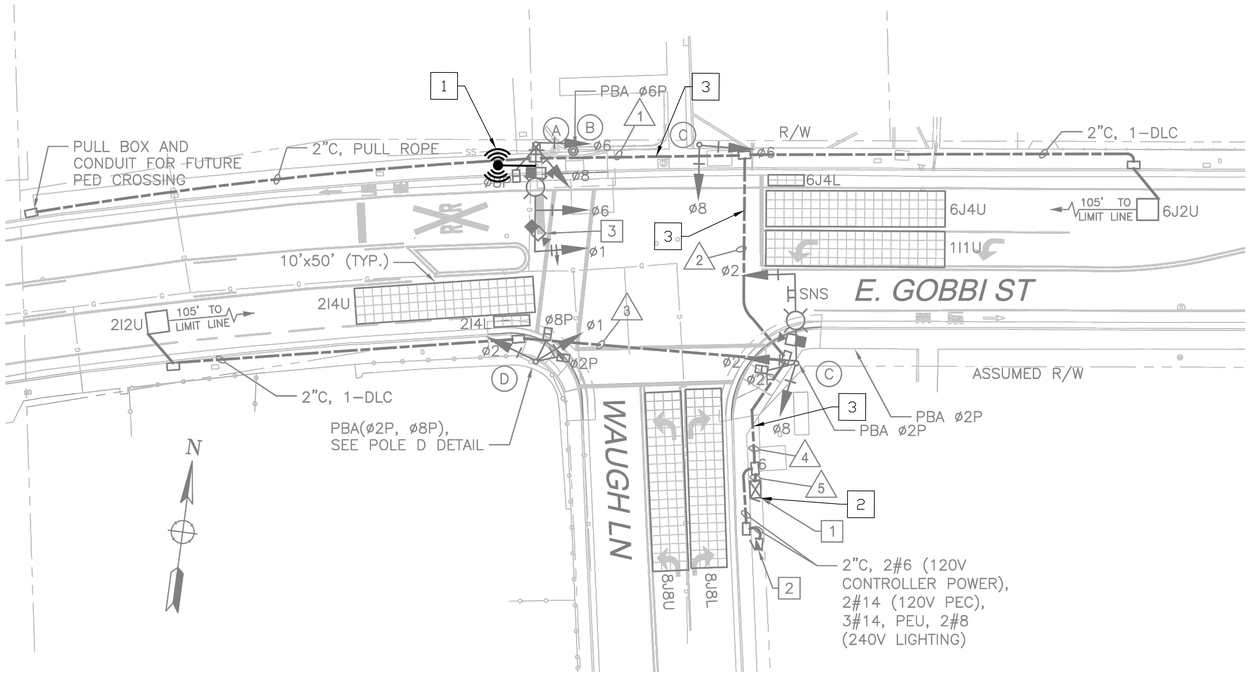
CONSTRUCTION NOTES (THIS SHEET ONLY):

1. INSTALL WIRELESS ANTENNA (ENCOM E-LITE 450) ON LUMINAIRE ARM OF THE EXISTING POLE C.
2. INSTALL ENCOM E-LITE 450 INT NC IN EXISTING CABINET.
3. INSTALL WIRELESS COMMUNICATION INDUSTRIAL OUTDOOR RATED CABLE (CAT6) IN EXISTING CONDUIT AS SHOWN.



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TRAFFIC SIGNAL INTERCONNECT PLAN

Revisions

No.	

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Drawn: CW
Approved: JW
Job No: 20210758

Drawing Number:
TR-4
93 OF 143

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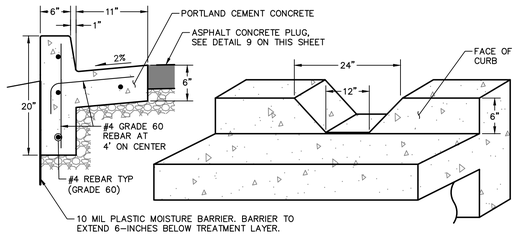
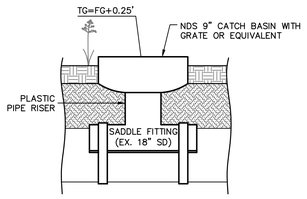


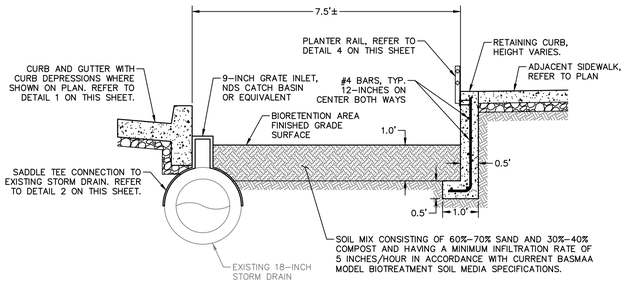
NOTES
1. LOCATE CURB DEPRESSIONS WHERE SHOWN ON THESE DRAWINGS AT INTERVALS NOT EXCEEDING 15-FEET ON CENTER.
2. PROVIDE WEAKENED PLANE JOINTS 1/8-INCH WIDE AND 1.5-INCH DEEP EVERY 15-FEET. PROVIDE EXPANSION JOINTS EVERY 60-FEET AND AT CHANGES IN DIRECTION. USE 1/4-INCH THICK PREMOLDED JOINT FILLER FULL THICKNESS OF CONCRETE.

1 CURB DEPRESSION
NO SCALE



NOTE:
CUT 8-INCH DIA. HOLE IN TOP OF EXISTING PIPE AND INSTALL SADDLE TEE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

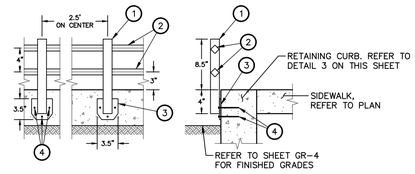
2 SADDLE TEE CONNECTION
NO SCALE



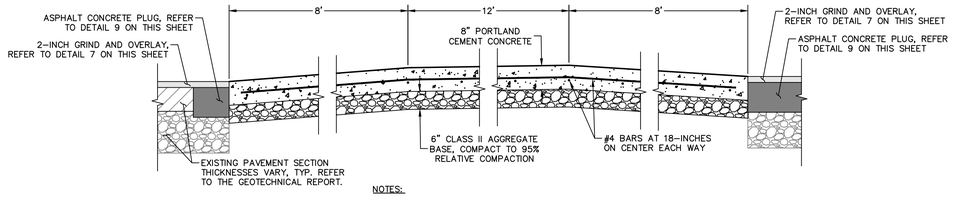
NOTE: REFER TO SHEET GR-4 FOR GRADING INFORMATION.

3 BIORETENTION FACILITY
NO SCALE

KEYNOTES:
1. POST 1-1/2" SQUARE HSS, POWDER COAT BLACK
2. RAIL 1" SQUARE HSS, POWDER COAT BLACK. INSTALL AT 45° TO HORIZONTAL, WELD TO POST
3. FLANGE, 1/4" THICK STEEL PLATE, WELD TO POST
4. EXPANSION BOLT, 3/8" DIA, 3" EMBEDMENT, 3 BOLTS PER POST AS SHOWN ON SECTION VIEW

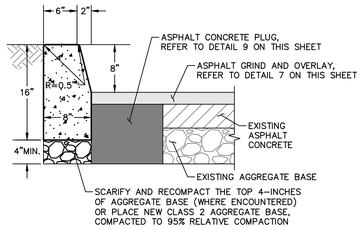


4 BIORETENTION PLANTER RAIL
NO SCALE



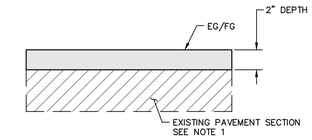
NOTES:
REFER TO SHEET 79 FOR STRIPING INFORMATION.
REFER TO SHEET 89 FOR GRADING INFORMATION.

5 SPEED TABLE
NO SCALE



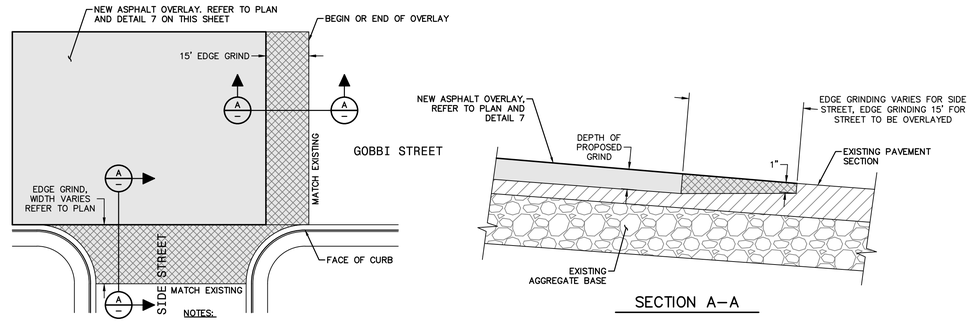
NOTE: MEDIAN CURB IS INCLUDED AS PART OF AN ADD ALTERNATIVE.

6 MEDIAN CURB
NO SCALE



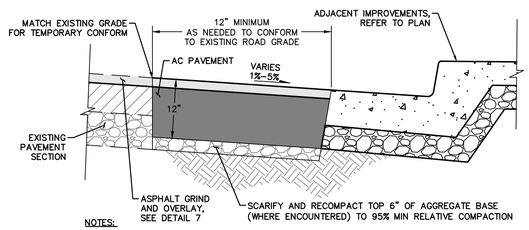
NOTES:
1. EXISTING PAVEMENT SECTION THICKNESSES VARY. REFER TO THE PROJECT GEOTECHNICAL REPORT.
2. PAVEMENT FAILURES MUST BE REPAIRED IN COMPLIANCE WITH THE PROJECT SPECIFICATIONS PRIOR TO EXECUTING GRIND AND OVERLAY WORK.
3. THOROUGHLY SWEEP SURFACE BEFORE APPLICATION OF TACK COAT AND ASPHALT OVERLAY TO ENSURE A GOOD BOND BETWEEN THE EXISTING PAVEMENT AND THE ASPHALT OVERLAY.
4. APPLY TACK COAT TO EXISTING ASPHALT PRIOR TO PLACING NEW ASPHALT OVERLAY.
5. ALL HMA MATERIAL, METHODS, AND TOLERANCES SHALL BE IN COMPLIANCE WITH THE PROJECT SPECIFICATIONS.

7 2-INCH GRIND AND OVERLAY
NO SCALE



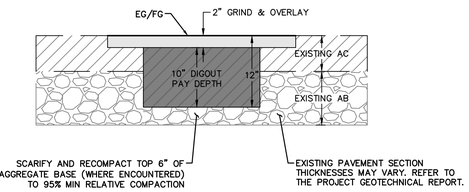
NOTES:
1. EXISTING PAVEMENT SECTION THICKNESSES VARY. REFER TO THE PROJECT GEOTECHNICAL REPORT.

8 END OF PAVEMENT REHABILITATION CONFORM
NO SCALE

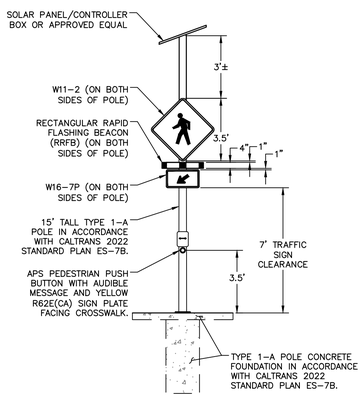


NOTES:
1. EXISTING PAVEMENT SECTION THICKNESSES VARY. REFER TO THE PROJECT GEOTECHNICAL REPORT.
2. ENTIRE SURFACE OF ASPHALT CONCRETE PLUG TO BE RESURFACED WITH FINAL TREATMENT. SEE DETAIL 7 ON THIS SHEET.

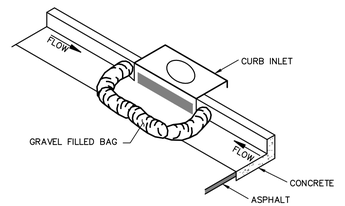
9 ASPHALT CONCRETE PLUG
NO SCALE



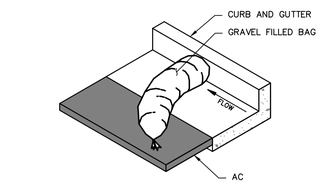
10 ASPHALT CONCRETE DIGOUT SECTIONS
NO SCALE



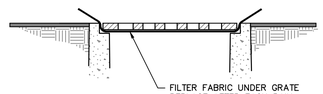
RECTANGULAR RAPID FLASHING BEACON
NO SCALE



11 GRAVEL BAGS
NO SCALE



12 GRAVEL BAGS
NO SCALE



13 FILTER FABRIC
NO SCALE

BKF ENGINEERS
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REGISTERED PROFESSIONAL ENGINEER REBECCA DOWER No. C 80868 CIVIL STATE OF CALIFORNIA

C 80868
10/20/2023
REBECCA DOWER

URBAN CORE REHABILITATION
GOBBI STREET UTILITY REPLACEMENT
CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

CONSTRUCTION DETAILS

No.	Revisions

Date: OCT 2023
Scale: AS SHOWN
Design: BD
Drawn: BTL
Approved: BD
Job No: 20210758

Drawing Number:
94 OF 143

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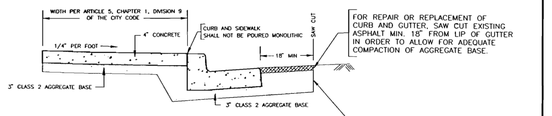
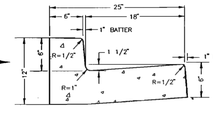
Plot Oct 19, 2023 at 9:27am

SIDEWALK AND CURB AND GUTTER SECTION



FOR REPAIR OR REPLACEMENT OF CURB AND GUTTER, SAW CUT EXISTING ASPHALT MIN. 18" FROM LIP OF GUTTER IN ORDER TO ALLOW FOR ADEQUATE COMPACTION OF AGGREGATE BASE.

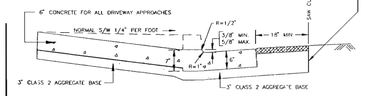
CURB AND GUTTER SECTION



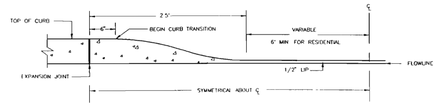
PAVEMENT: TYPE B- 1/2 MEDIUM ASPHALT CONCRETE; THICKNESS = THE EXISTING AC SECTION PLUS 1", OR 3" WHICHEVER IS GREATER. BASE ROCK: CLASS 2 AGGREGATE BASE, THICKNESS TO MATCH EXISTING OR 6" WHICHEVER IS GREATER.

CURB TO BE BACKFILLED WITHIN 14 DAYS

DRIVEWAY APPROACH SECTION



DRIVEWAY APPROACH ELEVATION



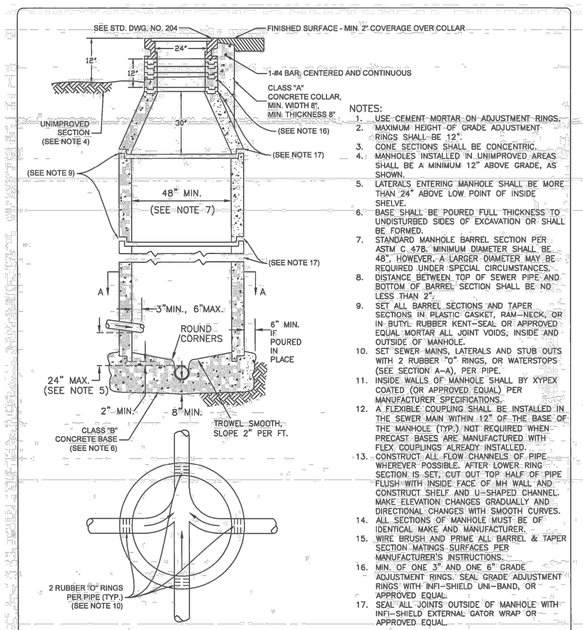
NOTES:
- EXPANSION JOINTS AT EACH SIDE OF DRIVEWAY APPROACH. SEE STD. DRWG. NO. 101.
- USE CLASS B CONCRETE (5 SACK MIX) MINIMUM.
- CURB AND GUTTER SHALL NOT BE POURED MONOLITHIC WITH SIDEWALK
- FOR DRIVEWAY APPROACH OR CURB AND GUTTER CONSTRUCTION ADJACENT TO STREET AREAS WITH EXISTING ASPHALT, CONTRACTOR SHALL SAW CUT EXISTING A.C. 18" FROM LIP OF GUTTER.
- DRIVEWAY APPROACH AND GUTTER SECTION MAY BE POURED MONOLITHIC.
- AGGREGATE BASE SHALL BE COMPACTED TO A MINIMUM OF 95% RELATIVE COMPACTION.

CITY OF UKIAH

SIDEWALK, CURB AND GUTTER, AND DRIVEWAY APPROACH DETAILS

2/25/22

SCALE: NONE | DRAWN BY: RJA | APPROVED: | DRAWING NO. 102
DATE: 1/98 | REVISED: LW



SECTION A-A

NOTES:
1. USE CEMENT MORTAR ON ADJUSTMENT RINGS.
2. MAXIMUM HEIGHT OF GRADE ADJUSTMENT RINGS SHALL BE 12".
3. CONE SECTIONS SHALL BE CONCENTRIC.
4. MANHOLES INSTALLED IN UNIMPROVED AREAS SHALL BE A MINIMUM 12" ABOVE GRADE, AS SHOWN.
5. LATERALS ENTERING MANHOLE SHALL BE MORE THAN 24" ABOVE LOW POINT OF INSIDE SHELVE.
6. BASE SHALL BE POURED FULL THICKNESS TO UNDISTURBED SIDES OF EXCAVATION OR SHALL BE FORMED.
7. STANDARD MANHOLE BARREL SECTION PER ASTM C 478, MINIMUM DIAMETER SHALL BE 48", HOWEVER, A LARGER DIAMETER MAY BE REQUIRED UNDER SPECIAL CIRCUMSTANCES.
8. DISTANCE BETWEEN TOP OF SEWER PIPE AND BOTTOM OF BARREL SECTION SHALL BE NO LESS THAN 2".
9. SET ALL BARREL SECTIONS AND TAPER SECTIONS IN PLASTIC GASKET, RAM-NECK, OR IN BUTYL RUBBER KENT-SEAL OR APPROVED EQUAL MORTAR ALL JOINT VOIDS, INSIDE AND OUTSIDE OF MANHOLE.
10. SET SEWER MAINS, LATERALS AND STUB OUTS WITH 2 RUBBER "O" RINGS, OR WATERSTOPS (SEE SECTION A-A), PER PIPE.
11. INSIDE WALLS OF MANHOLE SHALL BY XYPEX COATED (OR APPROVED EQUAL) PER MANUFACTURER SPECIFICATIONS.
12. A FLEXIBLE COUPLING SHALL BE INSTALLED IN THE SEWER MAIN WITHIN 12" OF THE BASE OF THE MANHOLE (TYP.) NOT REQUIRED WHEN PRECAST BASES ARE MANUFACTURED WITH FLEX COUPLINGS ALREADY INSTALLED.
13. CONSTRUCT ALL FLOW CHANNELS OF PIPE WHEREVER POSSIBLE. AFTER LOWER RING SECTION IS SET, CUT OUT TOP HALF OF PIPE FLUSH WITH INSIDE FACE OF MH WALL AND CONSTRUCT SHELF AND U-SHAPED CHANNEL. MAKE ELEVATION CHANGES GRADUALLY AND DIRECTIONAL CHANGES WITH SMOOTH CURVES.
14. ALL SECTIONS OF MANHOLE MUST BE OF IDENTICAL MAKE AND MANUFACTURER.
15. WIRE BRUSH AND PRIME ALL BARREL & TAPER SECTION MATING SURFACES PER MANUFACTURER'S INSTRUCTIONS.
16. MIN. OF ONE 3" AND ONE 6" GRADE ADJUSTMENT RINGS. SEAL GRADE ADJUSTMENT RINGS WITH INFI-SHIELD UNI-BAND, OR APPROVED EQUAL.
17. SEAL ALL JOINTS OUTSIDE OF MANHOLE WITH INFI-SHIELD EXTERNAL GATOR WRAP OR APPROVED EQUAL.

DESIGN AND CONSTRUCTION STANDARDS

STANDARD SEWER MANHOLE

DRAWING NO. 201

DRAWN BY: A.S.

DEC. 2019 - NTS

TIM ERIKSEN, PUBLIC WORKS DIRECTOR / CITY ENGINEER

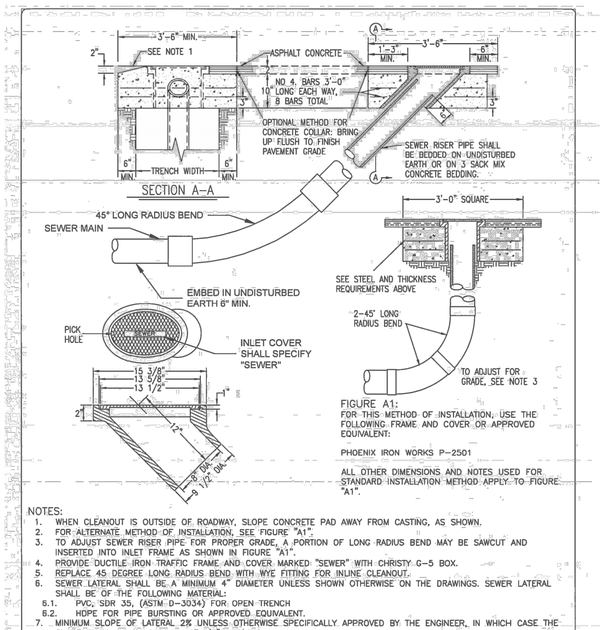


FIGURE A1:
FOR THIS METHOD OF INSTALLATION, USE THE FOLLOWING FRAME AND COVER OR APPROVED EQUIVALENT:

PHOENIX IRON WORKS P-2501

ALL OTHER DIMENSIONS AND NOTES USED FOR STANDARD INSTALLATION METHOD APPLY TO FIGURE "A1".

NOTES:
1. WHEN CLEANOUT IS OUTSIDE OF ROADWAY, SLOPE CONCRETE PAD AWAY FROM CASTING, AS SHOWN.
2. FOR ALTERNATE METHOD OF INSTALLATION, SEE FIGURE "A1".
3. TO ADJUST SEWER RISER PIPE FOR PROPER GRADE, A PORTION OF LONG RADIUS BEND MAY BE SAWCUT AND INSERTED INTO INLET FRAME AS SHOWN IN FIGURE "A1".
4. PROVIDE DUCTILE IRON TRAFFIC FRAME AND COVER MARKED "SEWER" WITH CHRISTY G-5 BOX.
5. REPLACE 45 DEGREE LONG RADIUS BEND WITH WYE FITTING FOR INLINE CLEANOUT.
6. SEWER LATERAL SHALL BE A MINIMUM 4" DIAMETER UNLESS SHOWN OTHERWISE ON THE DRAWINGS. SEWER LATERAL SHALL BE OF THE FOLLOWING MATERIAL:
   - 6.1. PVC; SDR 35, (ASTM D-3034) FOR OPEN TRENCH
   - 6.2. HDPE FOR PIPE BURSTING OR APPROVED EQUIVALENT.
7. MINIMUM SLOPE OF LATERAL 2% UNLESS OTHERWISE SPECIFICALLY APPROVED BY THE ENGINEER, IN WHICH CASE THE SLOPE SHALL BE NO LESS THAN 1/8" PER FT.
8. BACKFILL LATERAL TRENCH PER STD. DRAWING NO. 220.

DESIGN AND CONSTRUCTION STANDARDS

MAINLINE SEWER CLEANOUT

DRAWING NO. 203

DRAWN BY: A.S.

DEC. 2019 - NTS

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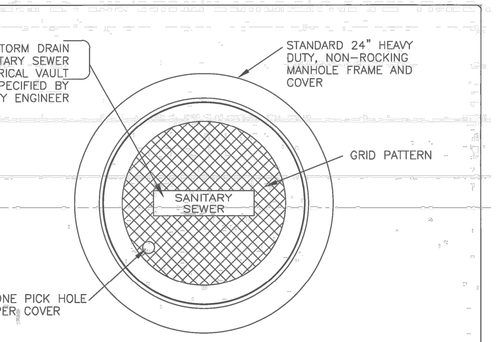


NOTES:
1. SPECIFY "STORM DRAIN", "SANITARY SEWER" OR "ELECTRICAL VAULT" WHEN ORDERING; ALL CASTINGS SHALL BE DIPPED IN ASPHALT PAINT (BLACK BITUMINOUS PAINT).
2. MINIMUM WEIGHT REQUIREMENTS:
   - 2.1. COVER - 130 POUNDS
   - 2.2. FRAME - 135 POUNDS
3. TITUS TWISTLIFT SECURITY LOCKS AND EJ COMPOSITE 2600 SERIES OR APPROVED EQUAL.

DESIGN AND CONSTRUCTION STANDARDS

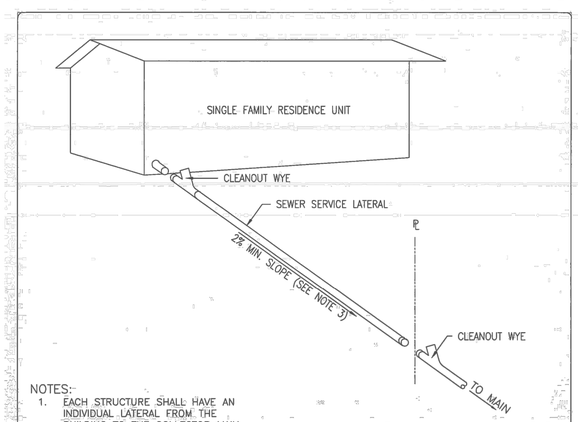
MANHOLE FRAME AND COVER DETAIL

DRAWING NO. 204

DRAWN BY: A.S.

DEC. 2019 - NTS

TIM ERIKSEN, PUBLIC WORKS DIRECTOR / CITY ENGINEER



NOTES:
1. EACH STRUCTURE SHALL HAVE AN INDIVIDUAL LATERAL FROM THE BUILDING TO THE COLLECTOR MAIN.
2. SEWER LATERAL SHALL BE A MINIMUM 4" DIAMETER UNLESS OTHERWISE APPROVED BY THE BUILDING INSPECTOR, AND OF THE FOLLOWING MATERIAL:
   - 2.1. PVC, SDR 35 (ASTM D-3034)
   - 2.2. HDPE SDR 17 (TRENCHLESS CONSTRUCTION ONLY) OR APPROVED EQUAL.
3. MINIMUM SLOPE OF LATERAL 1/4" PER FT. UNLESS OTHERWISE SPECIFICALLY APPROVED BY THE BUILDING INSPECTOR, IN WHICH CASE THE SLOPE SHALL BE NO LESS THAN 1/8" PER FT.
4. BACKFILL LATERAL TRENCH PER "TRENCH DETAIL" AND STD. DWG. NO. 210.

DESIGN AND CONSTRUCTION STANDARDS

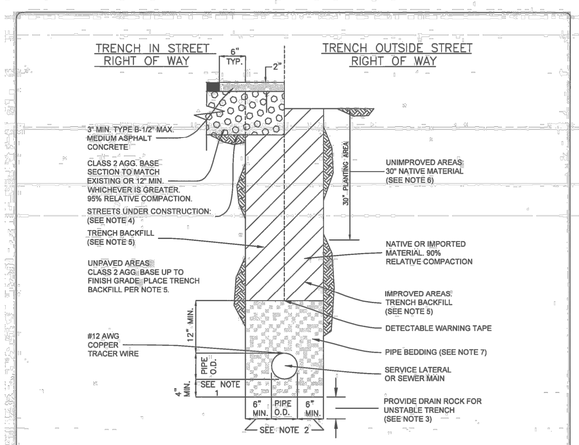
SEWER SERVICE LATERAL (PROPERTY LINE TO BUILDING)

DRAWING NO. 213

DRAWN BY: A.S.

DEC. 2019 - NTS

TIM ERIKSEN, PUBLIC WORKS DIRECTOR / CITY ENGINEER



NOTES:
1. WHEN EXCAVATION IS IN ROCKY GROUND, USE THE GREATER OF 1/4 PIPE O.D. OR 4" MINIMUM.
2. FOR 18" DIAMETER OR LESS, USE 6" MINIMUM, 9" MAXIMUM; FOR GREATER THAN 18" DIA. USE 9" MINIMUM, 12" MAXIMUM.
3. FOR UNSTABLE TRENCH PROVIDE DRAIN ROCK FOR WIDTH OF TRENCH, DEPTH AS SPECIFIED ON THE IMPROVEMENT PLANS OR BY THE ENGINEER.
4. NEW STREET SECTION PER IMPROVEMENT PLANS.
5. TRENCH BACKFILL, 95% RELATIVE COMPACTION WITHIN 30" OF FINISH GRADE. REMAINING BACKFILL, 90% RELATIVE COMPACTION.

SIEVE SIZE	% PASSING
3/4"	95%
NO. 4	65% MIN.
NO. 100	15% MAX.

6. BACKFILL WITH NATIVE MATERIAL REMOVED FROM UPPER 30", 85% RELATIVE COMPACTION.
7. PIPE BEDDING, 90% RELATIVE COMPACTION.

SIEVE SIZE	% PASSING
3/4"	95 - 100%
NO. 4	55 - 100%

8. COMPACTION BY HAND AND MECHANICAL TAMPING IN 8" MAXIMUM LIFTS.

DESIGN AND CONSTRUCTION STANDARDS

TRENCH DETAIL SERVICE LATERAL / SEWER MAIN

DRAWING NO. 220

DRAWN BY: A.S.

DEC. 2019 - NTS

TIM ERIKSEN, PUBLIC WORKS DIRECTOR / CITY ENGINEER

REGISTERED PROFESSIONAL ENGINEER — REBECCA DOWER — No. C 80868 — CIVIL — STATE OF CALIFORNIA

C 80868

10/20/2023

REBECCA DOWER

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GOBBI STREET UTILITY REPLACEMENT
CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

CITY OF UKIAH STANDARD DETAILS

No.	Revisions

Date: OCT 2023
Scale: AS SHOWN
Design: BD
Drawn: BTL
Approved: BD
Job No: 20210758

Drawing Number:

95 OF 143

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Plot Oct 17, 2023 at 4:40pm
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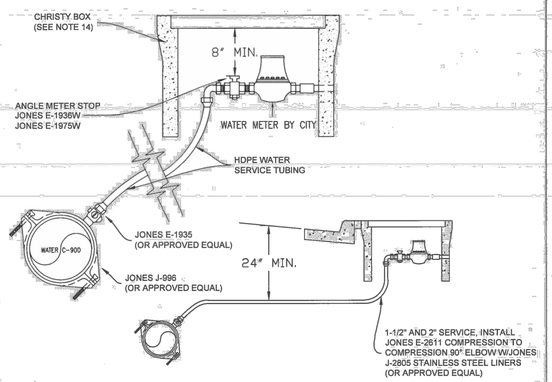


NOTES:

1. ALL WATER MATERIAL TO MEET OR EXCEED A.W.W.A. SPECIFICATIONS.
2. STAINLESS STEEL LINERS FOR USE WITH PLASTIC SERVICE PIPE ARE REQUIRED.
3. MUELLER, FOR AND MCDONALD FITTINGS ARE ALSO ACCEPTABLE.
4. FITTINGS MAY BE EITHER PACK JOINT OR INSTA-TITE.
5. MINIMUM COVER FOR SERVICE LINE IN STREET IS 24".
6. USE EITHER DOUBLE STRAP SERVICE CLAMP OR TAPPED COUPLINGS AT SERVICES.
7. P.E. FITTINGS MUST USE INSERTS FOR STIFFNESS.
8. PROVIDE ¾" GRAVEL BEDDING 3" MIN. THICKNESS FOR METER BOX.
9. CONTRACTOR TO LOCATE EXISTING WATER LATERAL IN THE FIELD AND CONNECT TO EXISTING WITHIN PUE.
10. WATER SERVICE LATERAL SHALL BE POLYETHELENE 3408M SDR 9 ASTM D-2737 200 PSI.
11. PROVIDE COPPER WIRE #10 OR LARGER. WRAP WIRE AROUND CORP. STOP AND MAIN LINE. LOCATE WIRE FOR CONTINUITY CONTACT.
12. PROVIDE CHRISTY METER BOX AND LID AS SPECIFIED BELOW OR APPROVED EQUIVALENT:

SERVICE	CHRISTY METER BOX	LID	LID
		TRAFFIC	NON-TRAFFIC
3/4"	B-12X	D-15X	61G15X
1"	B-16	G-30	61G15

DESIGN AND CONSTRUCTION STANDARDS

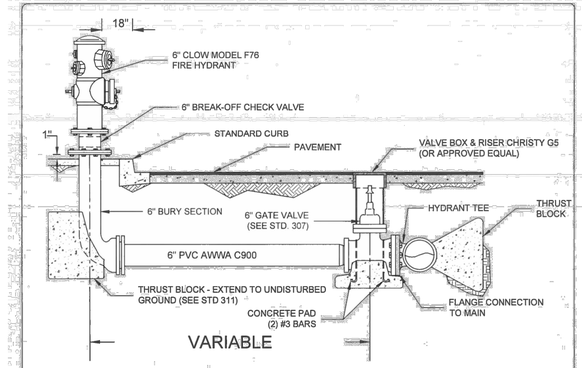
TYPICAL WATER SERVICE
3/4 INCH MIN. / 2 INCH MAX.

DRAWING NO. 301

DRAWN BY: A.S.

MAR. 2020 - NTS

TIM ERIKSEN, PUBLIC WORKS DIRECTOR / CITY ENGINEER



NOTES:

1. ON MAINS WHERE VALVES ARE TO BE INSTALLED ADJACENT TO TEES OR CROSSES, THE VALVES SHALL BE FLANGED X MJ WITH FLANGED END BOLTED DIRECTLY TO THE TEE OR CROSS.
2. WHEN HYDRANT IS AT STREET CORNER, PLACE 14"-18" INSIDE CURB RETURN.
3. FOR LOCATION IN PLANTER STRIP, CENTER OF FH IN 4" CONCRETE SLAB, 48"L X WIDTH OF STRIP.
4. APPLY SINGLE, FULL-STRENGTH COAT OF PAINT TO ENTIRE HYDRANT; PREVENT PAINT FROM ENTERING THREADS AT OUTLET CAPS. USE GLOSS WHITE OIL BASE PAINT: FULLER OBRIENT (STOCK #312-91), RUST-O-LEUM (STOCK #7692), STYLETONE (STOCK #819-01P) OR APPROVED EQUAL.
5. PROVIDE HYDRANT LOCATION MARKER SPECIFICATION 6-0.34 OF TRAFFIC MANUAL, STATE OF CALIFORNIA DOT. DEADEND RUNS UP TO 200 FT. MAY BE 6" PIPE WITH APPROVAL OF FIRE DEPARTMENT; RUNS IN EXCESS 200 FT. TO BE 8" PIPE.

DESIGN AND CONSTRUCTION STANDARDS

FIRE HYDRANT LATERAL

DRAWING NO. 305

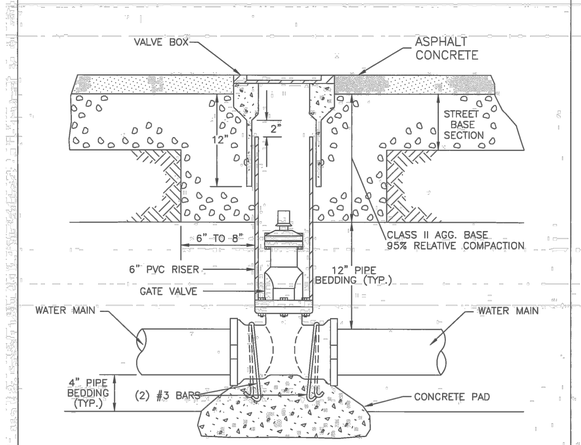
DRAWN BY: A.S.

DEC. 2019 - NTS

TIM ERIKSEN, PUBLIC WORKS DIRECTOR / CITY ENGINEER

NOTES:

1. VALVE BOXES SHALL BE SET FLUSH WITH FINISH STREET GRADE. BOX COVER SHALL INDICATE "WATER" ON TOP. VALVE BOXES SHALL BE CHRISTY G-5, OR APPROVED EQUAL.
2. VALVE CONNECTIONS SHALL BE PUSH-ON WHEN USING AWWA C900 PVC PIPE. CONNECTIONS SHALL BE MECHANICAL JOINT FOR PIPE OTHER THAN PVC.
3. GATE VALVES SHALL CONFORM TO AWWA STD C509 OF LATEST REV AND SHALL BE RESILIENT SEAT WITH MODIFIED WEDGE TYPE W/NON-RISING STEM OPENING COUNTER-CLOCKWISE W/ O-RING STEM SEAL AND SUITABLE ENDS FOR CONNECTIONS TO TYPE OF PIPE OR FITTING USED. USE AMERICAN DARLING CRS OR APPROVED EQUAL.
4. PVC RISER SHALL BE SDR 35 PVC SEWER PIPE CONFORMING TO ASTM 3034. RISER PIPE TO BE PLUMB AND CENTERED OVER VALVE STEM WITH NO JOINTS.
5. IF VALVE IS INSTALLED SO THAT TOP OF OPERATING NUT IS MORE THAN 30" BELOW FINISHED GRADE, INSTALL VALVE STEM RISER OF SUFFICIENT LENGTH TO RAISE NUT TO MAX. 24" DEPTH.



DESIGN AND CONSTRUCTION STANDARDS

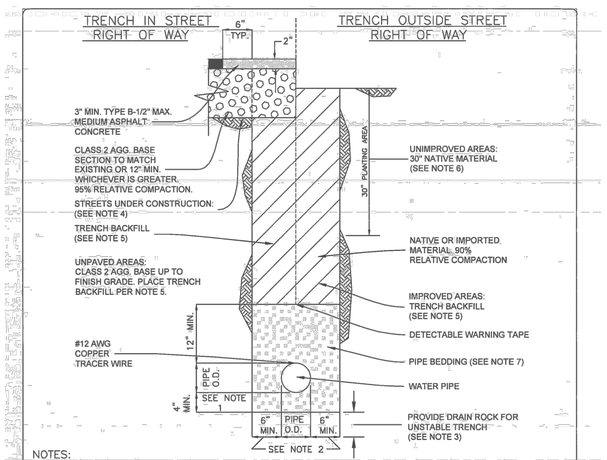
GATE VALVE AND VALVE BOX

DRAWING NO. 307

DRAWN BY: A.S.

DEC. 2019 - NTS

TIM ERIKSEN, PUBLIC WORKS DIRECTOR / CITY ENGINEER



NOTES:

1. WHEN EXCAVATION IS IN ROCKY GROUND, USE THE GREATER OF 1/4 PIPE O.D. OR 4" MINIMUM.
2. FOR 18" DIAMETER OR LESS, USE 6" MINIMUM, 9" MAXIMUM; FOR GREATER THAN 18" DIA. USE 9" MINIMUM, 12" MAXIMUM.
3. FOR UNSTABLE TRENCH PROVIDE DRAIN ROCK FOR WIDTH OF TRENCH, DEPTH AS SPECIFIED ON THE IMPROVEMENT PLANS OR BY THE ENGINEER.
4. NEW STREET SECTION PER IMPROVEMENT PLANS.
5. TRENCH BACKFILL, 95% RELATIVE COMPACTION WITHIN 30" OF FINISH GRADE. REMAINING BACKFILL, 90% RELATIVE COMPACTION.

SIEVE SIZE	% PASSING
3/4"	95%
NO. 4	65% MIN.
NO. 100	15% MAX.

6. BACKFILL WITH NATIVE MATERIAL REMOVED FROM UPPER 30", 85% RELATIVE COMPACTION.
7. PIPE BEDDING, 90% RELATIVE COMPACTION.

SIEVE SIZE	% PASSING
3/4"	95 - 100%
NO. 4	55 - 100%

8. COMPACTION BY HAND AND MECHANICAL TAMPING IN 8" MAXIMUM LIFTS.

DESIGN AND CONSTRUCTION STANDARDS

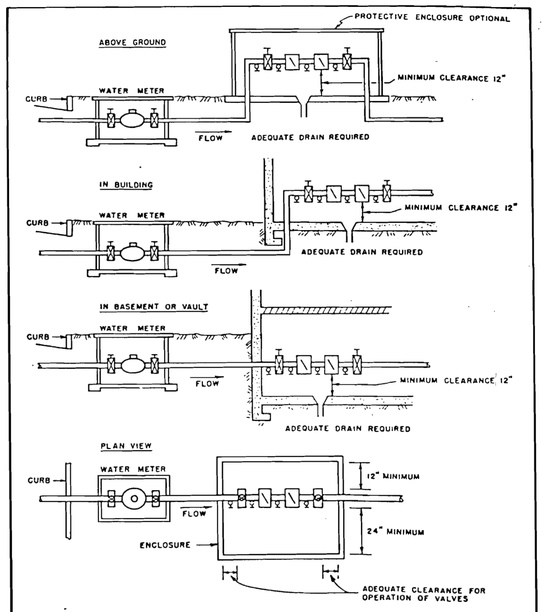
TRENCH DETAIL FOR WATER LINE

DRAWING NO. 320

DRAWN BY: A.S.

DEC. 2019 - NTS

TIM ERIKSEN, PUBLIC WORKS DIRECTOR / CITY ENGINEER

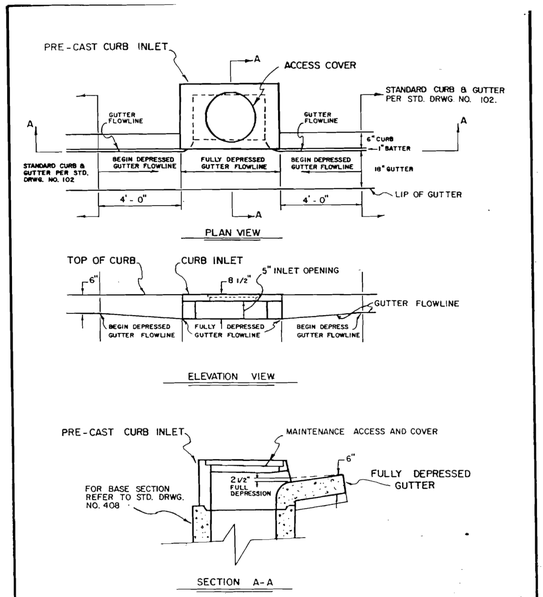


TYPICAL INSTALLATIONS WITH MINIMUM CLEARANCES
DOUBLE CHECK VALVE ASSEMBLIES

CITY OF UKIAH

BACKFLOW PREVENTION DETAILS
DOUBLE CHECK VALVE ASSEMBLIES

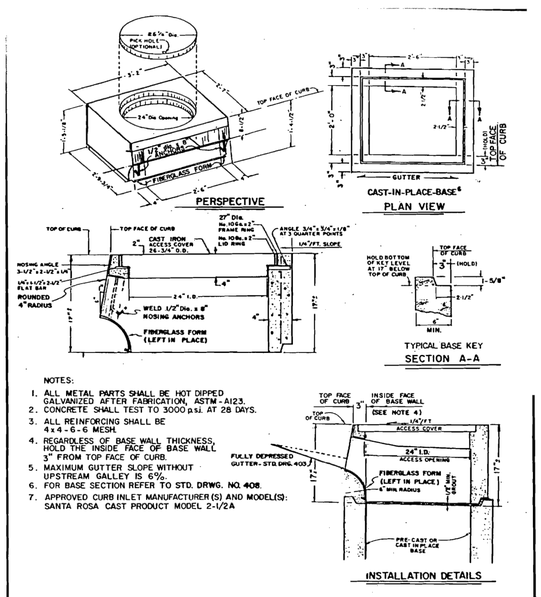
Scale: None | Drawn By: JMY | Approved By: [illegible] | Drawing No. 383
Date: June, 1987 | Revised: | R. Radowell



CITY OF UKIAH

CURB INLET
GUTTER DEPRESSION

Scale: NO SCALE | Drawn By: ML | Approved By: [illegible] | Drawing No. 403
Date: 3/12/87 | Revised: | R. Radowell



NOTES:

1. ALL METAL PARTS SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION, ASTM - A123.
2. CONCRETE SHALL TEST TO 3000 p.s.i. AT 28 DAYS.
3. ALL REINFORCING SHALL BE #4 x 4 - 6 - 6 MESH.
4. REGARDLESS OF BASE WALL THICKNESS, HOLD THE INSIDE FACE OF BASE WALL 3" FROM TOP FACE OF CURB.
5. MAXIMUM GUTTER SLOPE WITHOUT UPSTREAM GALLEY IS 6%.
6. FOR BASE SECTION REFER TO STD. DRWG. NO. 408.
7. APPROVED CURB INLET MANUFACTURER(S) AND MODEL(S): SANTA ROSA CAST PRODUCT MODEL 2-1/2A

INSTALLATION DETAILS

CITY OF UKIAH

PRE-CAST CONCRETE
CURB INLET - MODEL 2½A
DETAILS

Scale: NO SCALE | Drawn By: ML | Approved By: [illegible] | Drawing No. 404
Date: 3/17/87 | Revised: 10/98 | R. Radowell

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Plot Oct 17, 2023 at 4:41pm
210758_IMPR.dwg

REGISTERED PROFESSIONAL ENGINEER
REBECCA DOWER
No. C 80868
CIVIL
STATE OF CALIFORNIA

C 80868

10/20/2023

REBECCA DOWER

BKF ENGINEERS
200 4th STREET
SUITE 300
SANTA ROSA, CA 95401
(707) 583-8500
www.bkf.com

BKF

URBAN CORE REHABILITATION
GOBBI STREET UTILITY REPLACEMENT
CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

CITY OF UKIAH STANDARD DETAILS

No.	Revisions

Date: OCT 2023
Scale: AS SHOWN
Design: BD
Drawn: BTL
Approved: BD
Job No: 20210758

Drawing Number:

FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES 0 1 2 3 ORIGINAL PLOT DATE: ORG DATE

IMPROVEMENT PLANS FOR :

URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT

SPECIFICATION NO. 23-07

FOR THE

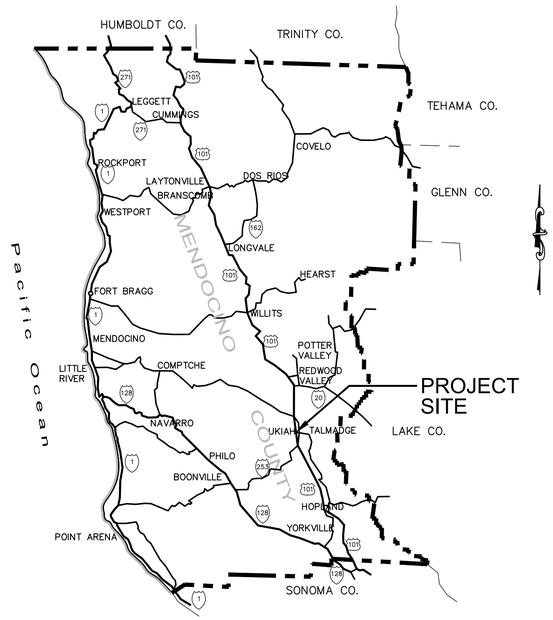
CITY OF UKIAH

MENDOCINO COUNTY, CALIFORNIA

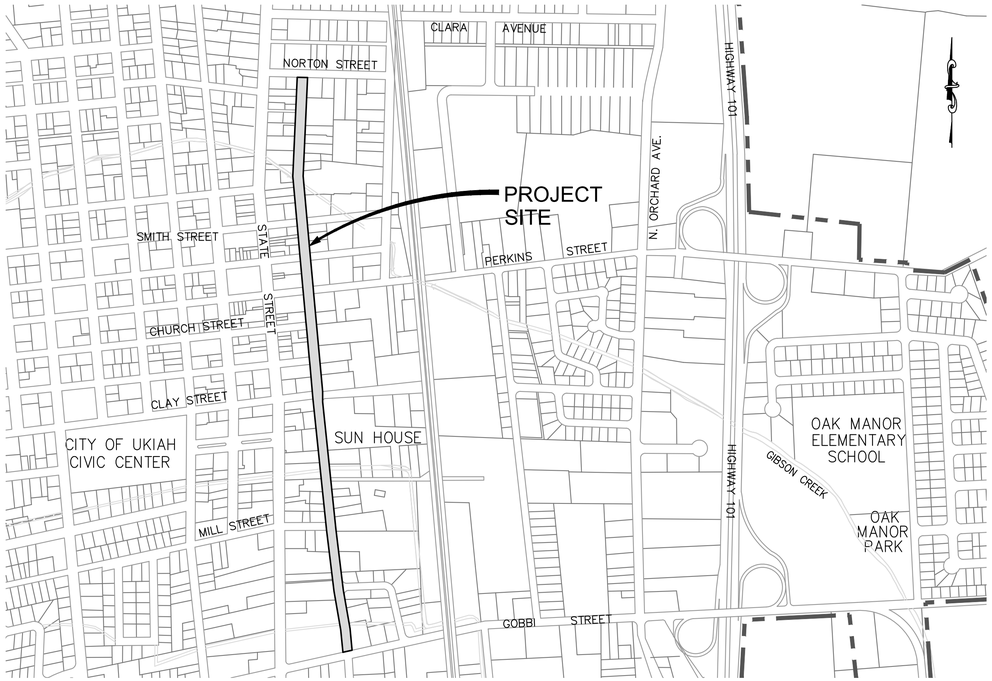
FOR USE IN CONJUNCTION WITH :

CALTRANS STANDARD SPECIFICATIONS DATED 2018

CALTRANS STANDARD PLANS DATED 2018



VICINITY MAP



LOCATION MAP

NOT TO SCALE

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Santa Rosa, CA 95405
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STEVEN R. VAN SAUN, RCE 86180 — 09/27/2023 DATE

REGISTERED PROFESSIONAL ENGINEER — STEVEN R. VAN SAUN — No. C 86180 — CIVIL — STATE OF CALIFORNIA

CITY OF UKIAH
APPROVED DATE _____

TIM ERIKSEN
DIRECTOR OF PUBLIC WORKS/CITY ENGINEER

PROJECT NUMBER 29-4799

DRAWING DATE SEPTEMBER 2023

DRAWING NUMBER 97 OF 143

URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT

Xrefs: ukiah-hose.dwg;CCE-ENGINEERS STAMPS-PLAN.dwg;CCE-ENGINEERS STAMPS-COVER.dwg;294799-TP.dwg;294799-TP2.dwg
Images: SVS Signature-blue.jpg;
Path: F:\Civil 3D Projects\294799 Main St Utility Imp\DWG\294799-COV.dwg Layout Name: SHT-97 Plot Date: Sep 27, 2023 at 09:35 am

ORIGINAL PLOT DATE:

0 1 2 3

FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES

LEGEND

DESCRIPTION OF LINETYPE	PROPOSED	EXISTING
PROPERTY LINE	N/A	
FLOWLINE		
CENTERLINE/CONTROL LINE		
WATER MAIN PIPE	x" W	W
SANITARY SEWER PIPE	x" SS	SS
STORM DRAIN PIPE		
GAS LINE	N/A	G
TELEPHONE LINE/CONDUIT	N/A	T
ELECTRICAL LINE/CONDUIT	N/A	E
OVERHEAD UTILITY	N/A	OHU

DESCRIPTION OF SYMBOL	PROPOSED	EXISTING
CONCRETE		
ASPHALT CONCRETE		N/A
6" FULL DEPTH AC		N/A
WATER MAIN GATE VALVE		
WATER MAIN BLOWOFF		
WATER METER	W	W
BACKFLOW DEVICE		N/A
FIRE HYDRANT		
SANITARY SEWER MANHOLE	S	S
SANITARY SEWER CLEANOUT	CO	CO
STORM DRAIN MANHOLE	N/A	D
STORM DRAIN CURB INLET/CATCH BASIN		
STORM DRAIN DROP INLET (TOP OPENING)		
MAILBOX	MB	MB
ROADSIDE SIGN		
STREET LIGHT	N/A	
TREE AND DRIP LINE	N/A	
SURVEY CONTROL POINT	N/A	
JOINT UTILITY POLE	N/A	JP
CROSSWALK		
CROSSWALK (HIGH VISIBILITY)		

ABBREVIATIONS

AC	ASPHALT CONCRETE
AB	AGGREGATE BASE
ACP	ASBESTOS CEMENT PIPE
A.P.N.	ASSESSORS PARCEL NUMBER
A.R.V.	AIR RELEASE VALVE
BC	BEGIN CURVE
BFP	BACK FLOW PREVENTER
BL	BASE LINE
BO	BLOWOFF
BRC	BEGIN REVERSE CURVE
BSW	BACK OF SIDEWALK
BVC	BEGIN VERTICAL CURVE
CB	CATCH BASIN
C&G	CURB & GUTTER
CI	CAST IRON
℄	CENTERLINE
CO	CLEANOUT
CONC	CONCRETE
CP	CONTROL POINT
CR	CURB RETURN
CV	CHECK VALVE
DET.	DETECTOR
DI	DROP INLET
DIP	DUCTILE IRON PIPE
DWY	DRIVEWAY
E	ELECTRICAL, ELECTRICAL CONDUIT
EC	END CURVE
EG	EXISTING GRADE
ELEC	ELECTRIC
EL. ELEV	ELEVATION
EP	EDGE OF PAVEMENT
EVC	END VERTICAL CURVE
EX.(E)	EXISTING
FC	FACE OF CURB
FG	FINISHED GRADE
FL	FLOW LINE
FS	FINISH SURFACE
FSW	FRONT OF SIDEWALK
G	GAS
GB	GRADE BREAK
G SER	GAS SERVICE
GV	GATE VALVE
HDPE	HIGH DENSITY POLYETHYLENE
HP	HIGH POINT
IC	INTERCONNECT
INV	INVERT GRADE
IP	IRON PIPE
JP	JOINT POLE
JT	JOINT TRENCH
LAT	SANITARY SEWER LATERAL
LF	LINEAR FEET
LG	LIP OF GUTTER
LT	LEFT
MB	MAILBOX
MH	MANHOLE
OG	ORIGINAL GROUND
OH	OVERHEAD UTILITY
PB	PULL BOX
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVE
PED	PEDESTRIAN
PI	POINT OF INTERSECTION
PL	PROPERTY LINE
PVC	POLY VINYL CHLORIDE
PVI	POINT OF VERTICAL INTERSECTION
R	RADIUS
R.C.	RELATIVE COMPACTION
RCP	REINFORCED CONCRETE PIPE
RET	RETAINING
R&R	REMOVE & REPLACE
RT.	RIGHT
RW	RECLAIMED WATER
R/W	RIGHT-OF-WAY
S	SLOPE
SC	STREET CROWN
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SL	STREET LIGHT
SS	SANITARY SEWER
SS LAT	SANITARY SEWER LATERAL
SSMH	SANITARY SEWER MANHOLE
SSCO	SANITARY SEWER CLEANOUT
STA	STATION
STL	STEEL PIPE
STD	STANDARD
SW	SIDEWALK
TB	TOP OF BANK
TBC	TOP OF BACK CURB
TC	TOP OF CURB
TCE	TEMPORARY CONSTRUCTION EASEMENT
TEL	TELEPHONE
TG	TOP OF GRATE
TOE	TOE OF SLOPE
TP	TELEPHONE POLE
TS	TRAFFIC SIGNAL
TW	TOP OF WALL
TYP.	TYPICAL
U	UNDERGROUND UTILITY
UG	UNDERGROUND
UPC	UNIFORM PLUMBING CODE
UTIL	UTILITY
VC	VERTICAL CURVE
VIF	VERIFY IN FIELD
VLT	VAULT
VAR.	VARIES
W, WTR	WATER, WATER MAIN
WM	WATER MAIN
WS	WATER SERVICE
W SER	WATER SERVICE
WV	WATER VALVE
< PT	ANGLE POINT

CONSTRUCTION NOTE DESIGNATIONS

(D1) = DRAINAGE AND RELATED ITEMS CONSTRUCTION NOTES.

(R1) = ROADWAY AND RELATED ITEMS CONSTRUCTION NOTES.

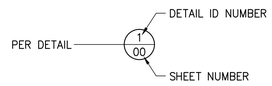
(S1) = SANITARY SEWER AND RELATED ITEMS CONSTRUCTION NOTES.

(T1) = TRAFFIC STRIPING AND RELATED ITEMS CONSTRUCTION NOTES.

(W1) = WATER AND RELATED ITEMS CONSTRUCTION NOTES.

DETAIL AND SECTION CALLOUTS

DETAILS:



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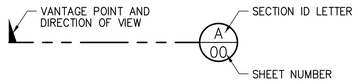

Xrefs: ukiah-base.dwg;CCE-ENGINEERS STAMPS-PLAN.dwg;CCE-ENGINEERS STAMPS-COVER.dwg;294799-TP.dwg;294799-TP2.dwg
Images: SVS Signature-blue.jpg;
Path: F:\Civil 3D Projects\294799 Main St Utility Imp\DWG\294799-COV.dwg Layout Name: SHT-98 Plot Date: Sep 27, 2023 at 09:35 am

REGISTERED PROFESSIONAL ENGINEER — STEVEN R. VAN SAUN — No. C 86180 — CIVIL — STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF STEVEN R. VAN SAUN, RCE 86180 DATE 09/27/2023

DESIGNED BY WJK/SF | DRAWN BY WJK/SF | REVIEWED BY SRV

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URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT
SPECIFICATION NO. 23-07
CITY OF UKIAH CALIFORNIA

ABBREVIATIONS & LEGEND

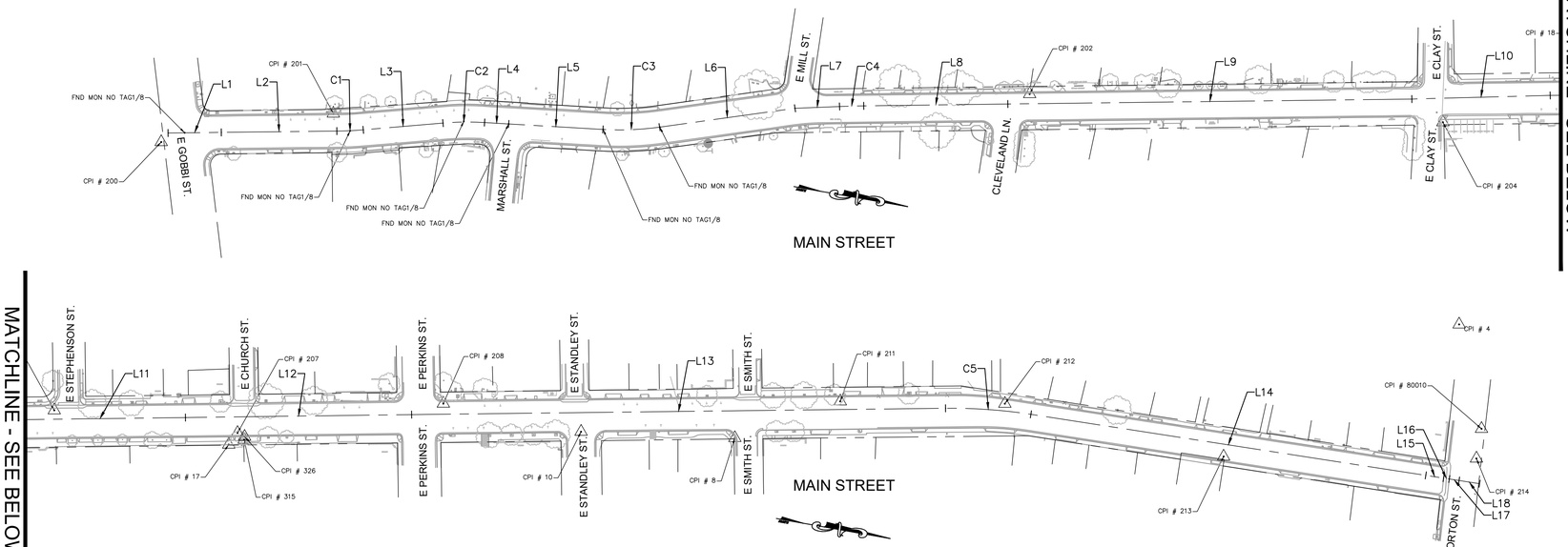
PROJECT NUMBER 29-4799

DRAWING DATE SEPTEMBER 2023

SHEET NUMBER 98 OF 143

URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT

FOR REDUCED PLANS, THE 0 1 2 3 ORIGINAL PLOT DATE:
ORIGINAL SCALE IS IN INCHES



GRAPHIC SCALE
0 50 100 200
(IN FEET)
1 inch = 100 ft.

PLAN

SURVEY CONTROL DATA				
CONTROL POINT NO.	NORTHING	EASTING	ELEV.	DESCRIPTION
4	2184364.26	6219105.19	624.95	FND CTRL CUT 'X'
8	2183404.58	6219434.18	625.22	SET CPI CTRL CUT 'X'
10	2183193.46	6219462.60	627.16	SET CPI CTRL MAG NAIL
17	2182716.39	6219564.97	625.02	FND CTRL CUT 'X'
18	2182470.36	6219560.07	620.07	FND CTRL MAG NAIL
116	2180830.81	6219503.84	613.77	SET CPI CTRL CUT 'X'
120	2180502.70	6219651.21	610.64	SET CPI CTRL CUT 'X'
200	2180536.96	6219980.05	607.15	SET CPI CTRL SPIKE 100d
201	2180764.64	6219899.74	606.11	SET CPI CTRL CUT 'X'
202	2181708.93	6219705.82	612.20	SET CPI CTRL MAG NAIL
204	2182278.78	6219644.86	618.66	FND CTRL MAG NAIL
207	2182725.56	6219546.90	624.79	SET CPI CTRL MAG NAIL
208	2182999.00	6219457.41	628.73	SET CPI CTRL MAG NAIL
211	2183539.43	6219358.90	624.12	SET CPI CTRL MAG NAIL
212	2183764.26	6219322.53	622.95	SET CPI CTRL MAG NAIL
213	2184075.11	6219341.98	622.03	SET CPI CTRL MAG NAIL
214	2184420.12	6219283.87	622.14	SET CPI CTRL MAG NAIL
315	2182736.28	6219554.48	625.45	FND CTRL MAG NAIL
326	2182736.09	6219550.30	625.30	FND CTRL MAG NAIL
80006	2184191.80	6219032.61	626.03	FND CTRL CUT 'X'
80010	2184419.87	6219242.15	622.88	FND CTRL CUT 'X'

BASIS OF BEARINGS

THE ORTHOMETRIC ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 1988) AND WERE DETERMINED BY STATIC GPS TIES TO CGPS STATIONS HOPB, P189 & P190 WITH PUBLISHED ELLIPSOIDAL HEIGHTS OF HOPB =1160.485, P189 = 582.043' AND P190 = 666.932', IN ADDITION TO APPLYING THE NGS GEOID HEIGHT MODEL "GEOID2012B".

BENCHMARK

THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CALIFORNIA COORDINATE SYSTEM, ZONE II, NAD 83, EPOCH 2017.50 AS DETERMINED LOCALLY BY A LINE BETWEEN CONTINUOUS GLOBAL POSITIONING SYSTEMS (CGPS) STATION HOPB AND STATION P190; BEING

NORTH 22°12'24" WEST AS DERIVED FROM GEODETIC VALUES PUBLISHED BY THE CALIFORNIA SPATIAL REFERENCE CENTER (CSRC).

TOPOGRAPHIC MAP

THIS MAP REPRESENTS A FIELD SURVEY MADE BY CINQUINI & PASSARINO, INC. IN APRIL OF 2022 AND REPRESENTS THE VISUAL SURFACE CONDITIONS AS OF AFORESAID DATE. RIGHT OF WAY LINES ARE FROM RECORD DATA.

MAIN STREET BASE LINE DATA							
NO.	Radius	Length	Line/Chord Direction	Start Station	Start Point	End Station	End Point
L1		73.66	N10° 39' 02.88"W	10+00.00	N: 2180544.08 E: 6219966.06	10+73.66	N: 2180616.47 E: 6219952.45
L2		159.93	N10° 39' 02.88"W	10+73.66	N: 2180616.47 E: 6219952.45	12+33.59	N: 2180773.65 E: 6219922.89
C1	500	36.62	N12° 44' 56.73"W				
L3		110.74	N14° 50' 50.58"W	12+70.21	N: 2180809.36 E: 6219914.81	13+80.95	N: 2180916.40 E: 6219886.43
C2	400	57.56	N10° 43' 28.54"W				
L4		33.45	N6° 36' 06.50"W	14+38.51	N: 2180972.91 E: 6219875.73	14+71.96	N: 2181006.13 E: 6219871.88
L5		130.68	N6° 41' 40.57"W	14+71.96	N: 2181006.13 E: 6219871.88	16+02.63	N: 2181135.92 E: 6219856.65
C3	400	78.51	N12° 19' 03.20"W				
L6		189.22	N17° 56' 25.83"W	16+81.15	N: 2181212.50 E: 6219839.93	18+70.37	N: 2181392.52 E: 6219781.64
L7		61.74	N12° 17' 07.40"W	18+70.37	N: 2181392.52 E: 6219781.64	19+32.11	N: 2181452.85 E: 6219768.51
C4	1250	33.46	N11° 31' 06.97"W				
L8		199.46	N10° 45' 06.55"W	19+65.56	N: 2181485.63 E: 6219761.83	21+65.03	N: 2181681.59 E: 6219724.61
L9		559.12	N10° 42' 32.99"W	21+65.03	N: 2181681.59 E: 6219724.61	27+24.15	N: 2182230.97 E: 6219620.72
L10		191.48	N11° 30' 17.18"W	27+24.15	N: 2182230.97 E: 6219620.72	29+15.63	N: 2182418.60 E: 6219582.53
L11		236.46	N10° 45' 06.55"W	29+15.63	N: 2182418.60 E: 6219582.53	31+52.08	N: 2182650.91 E: 6219538.41
L12		313.00	N10° 45' 06.55"W	31+52.08	N: 2182650.91 E: 6219538.41	34+65.08	N: 2182958.42 E: 6219480.02
L13		738.90	N10° 41' 07.07"W	34+65.08	N: 2182958.42 E: 6219480.02	42+03.99	N: 2183684.51 E: 6219343.02
C5	719	118.57	N5° 56' 28.32"W				
L14		552.97	N1° 12' 48.34"W	43+22.56	N: 2183802.31 E: 6219330.76	48+75.53	N: 2184355.15 E: 6219319.05
L15		24.90	N1° 12' 48.34"W	48+75.53	N: 2184355.15 E: 6219319.05	49+00.43	N: 2184380.05 E: 6219318.52
L16		8.01	N1° 12' 48.34"W	49+00.43	N: 2184380.05 E: 6219318.52	49+08.44	N: 2184388.06 E: 6219318.35
L17		13.64	N1° 12' 48.34"W	49+08.44	N: 2184388.06 E: 6219318.35	49+22.08	N: 2184401.70 E: 6219318.06
L18		28.79	N1° 12' 48.34"W	49+22.08	N: 2184401.70 E: 6219318.06	49+50.88	N: 2184430.48 E: 6219317.45

REGISTERED PROFESSIONAL ENGINEER STEVEN R. VAN SAUN No. C 86180 CIVIL STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF
STEVEN R. VAN SAUN, RCE 86180 DATE 09/27/2023

DESIGNED BY	DRAWN BY	REVIEWED BY
WJK/SF	WJK/SF	SRV

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URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT
SPECIFICATION NO. 23-07
CITY OF UKIAH CALIFORNIA

SURVEY CONTROL DATA & BASE LINE DATA

PROJECT NUMBER 29-4799
DRAWING DATE SEPTEMBER 2023
SHEET NUMBER 99 OF 143

URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT

Xrefs: CCE-ENGINEERS STAMPS-PLAN.dwg;CCE-ENGINEERS STAMPS-COVER.dwg;294799-TP.dwg;294799-TP2.dwg
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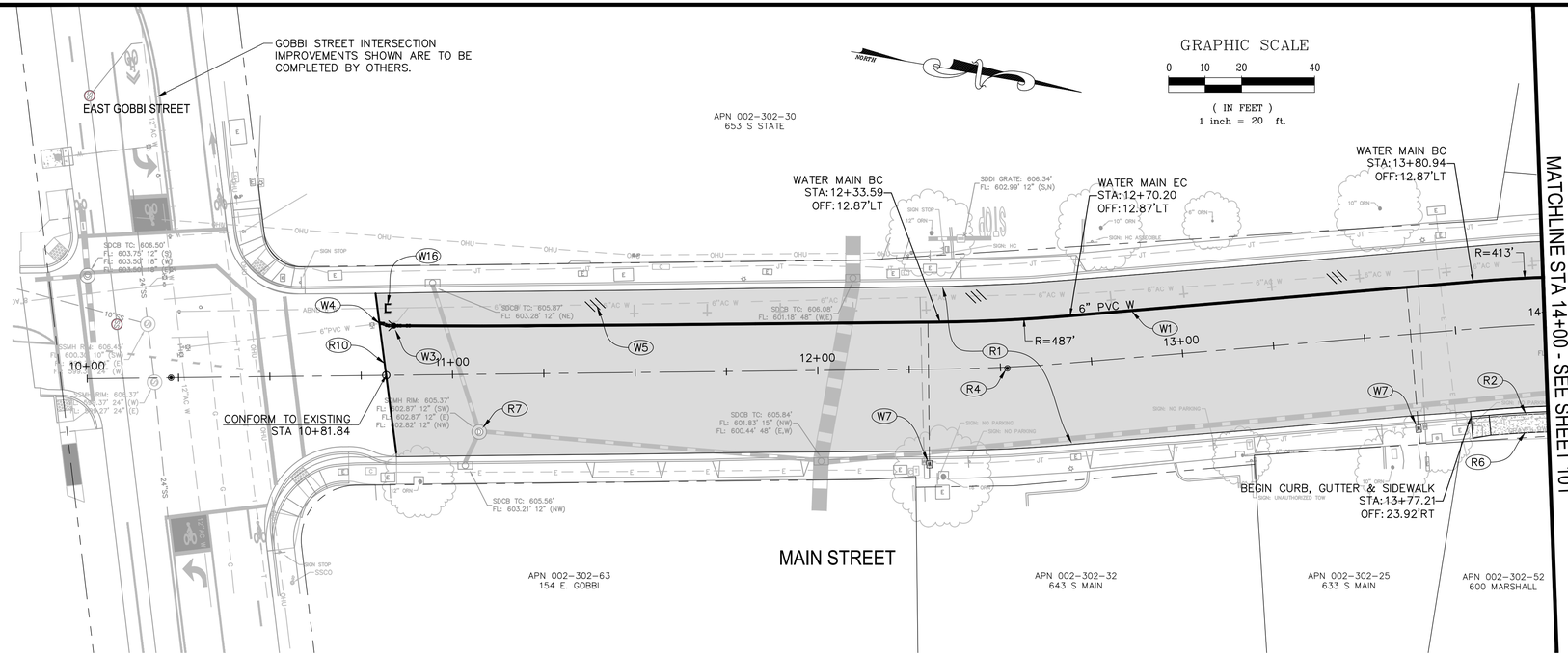
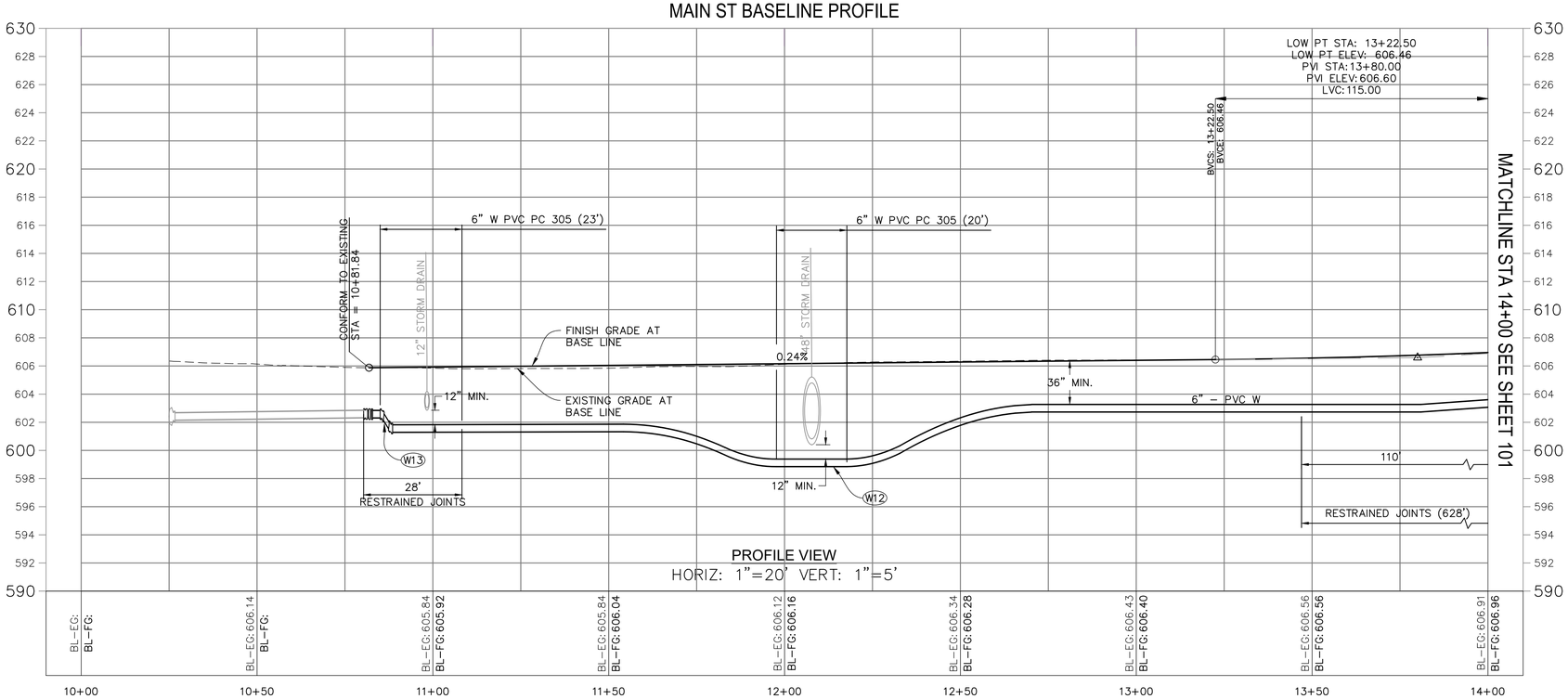


CONSTRUCTION NOTES:

- (R1) RECONSTRUCT ROADWAY PER TYPICAL SECTION — 5/142
- (R2) REMOVE AND REPLACE CURB AND GUTTER PER CITY DWG 102.
- (R4) REMOVE AND REPLACE CITY MONUMENT PER CITY DWG 140.
- (R6) PLACE SIDEWALK PER CITY DWG 102.
- (R7) ADJUST STORM DRAIN MANHOLE FRAME AND COVER TO FINISH GRADE PER DETAIL — 3/141
- (R10) SAWCUT AND CONFORM TO EXISTING PAVEMENT.
- (W1) INSTALL WATER MAIN, SIZE AS INDICATED.
- (W3) INSTALL TEMPORARY BLOW OFF PER DETAIL — 7/141
- (W4) TIE-IN TO EXISTING WATER MAIN. INSTALL FITTINGS AS REQUIRED UNDER CITY INSPECTION.
- (W5) REMOVE OR ABANDON EXISTING WATER MAIN.
- (W7) REMOVE EXISTING METER AND INSTALL 1" WATER SERVICE PLUMBED FOR 5/8"x3/4" METER PER CITY DWG 301. CONNECT TO EXISTING WATER SERVICE BEHIND SIDEWALK.
- (W12) ROPE PIPE UNDER STORM DRAIN OR SANITARY SEWER PER DETAIL — 2/142
- (W13) LOWER PIPE UNDER STORM DRAIN OR SANITARY SEWER PER DETAIL — 1/142
- (W16) PLUG AND ABANDON EXISTING WATER LINE.

MAIN ST BASELINE PROFILE



ORIGINAL PLOT DATE:

FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES 0 1 2 3

Xrefs: CCE-ENGINEERS STAMPS-PLAN.dwg;294799-RAMP.dwg;294799-ROAD-HATCH.dwg;294799-TP1.dwg;294799-TP2.dwg;210758_IMPR.dwg;294799-TP.dwg
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Path: F:\Civil 3D Projects\294799 Main St Utility Imp\DWG\294799-SP.dwg Layout Name: SHT-100 Plot Date: Sep 27, 2023 at 09:36 am

REGISTERED PROFESSIONAL ENGINEER STEVEN R. VAN SAUN No. C 86180 CIVIL STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF
STEVEN R. VAN SAUN, RCE 86180 DATE 09/27/2023

DESIGNED BY	DRAWN BY	REVIEWED BY
WJK/SF	WJK/SF	SRV

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URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT
SPECIFICATION NO. 23-07
CITY OF UKIAH CALIFORNIA

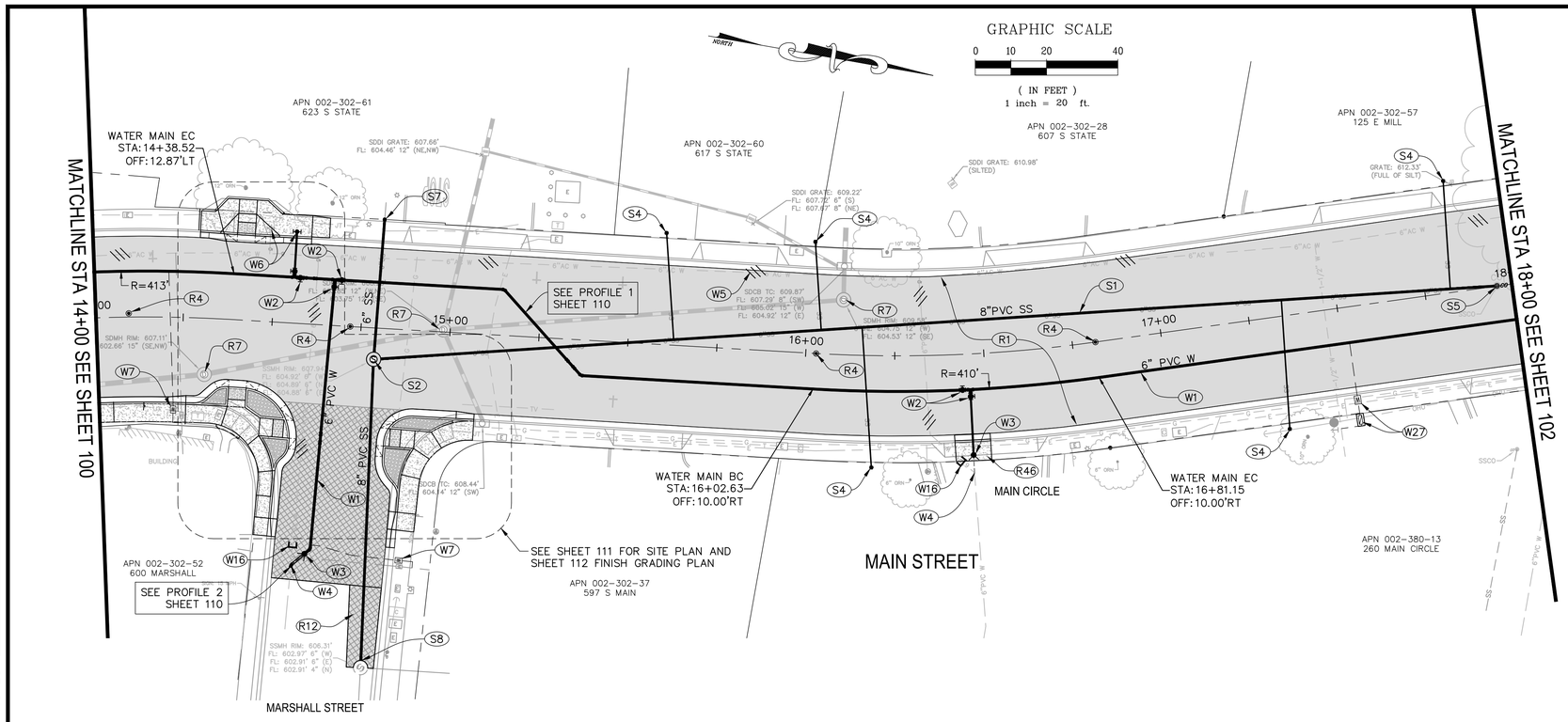
PLAN & PROFILE
STA. 10+00 TO STA. 14+00

PROJECT NUMBER
29-4799

DRAWING DATE
SEPTEMBER 2023

SHEET NUMBER
100 OF 143

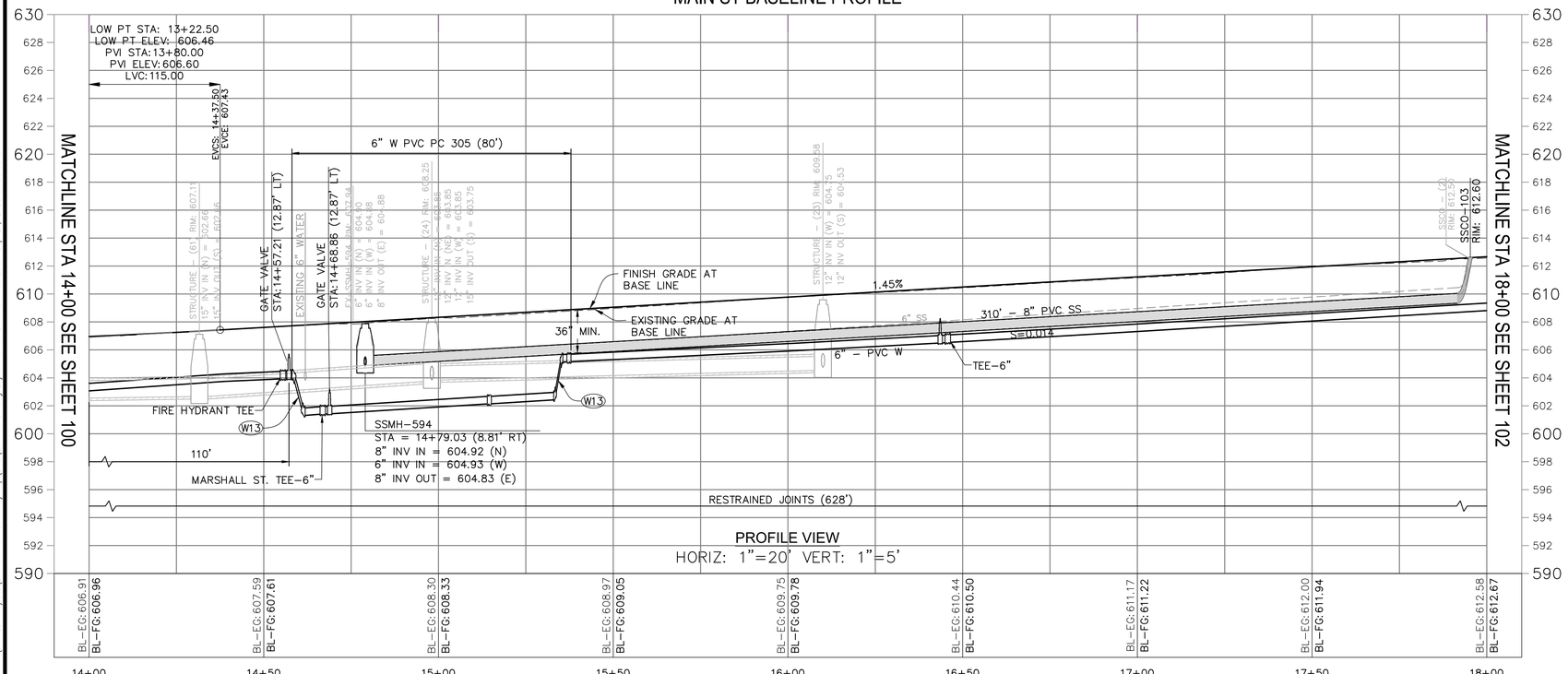
URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT



CONSTRUCTION NOTES:

- (R1) RECONSTRUCT ROADWAY PER TYPICAL SECTION
- (R4) REMOVE AND REPLACE CITY MONUMENT PER CITY DWG 140.
- (R7) ADJUST STORM DRAIN MANHOLE FRAME AND COVER TO FINISH GRADE PER DETAIL 3/141
- (R12) REMOVE EXISTING AC AND AGGREGATE BASE AND PLACE 6" FULL DEPTH AC
- (R46) REMOVE AND REPLACE DRIVEWAY CURB CUT AND APRON, WIDTH AS SHOWN. MATCH EXISTING DIMENSIONS.
- (S1) REMOVE SANITARY SEWER MAIN AND INSTALL 8" PVC SANITARY SEWER MAIN PER CITY STANDARDS.
- (S2) REMOVE SANITARY SEWER MANHOLE AND INSTALL 48" SANITARY SEWER MANHOLE PER CITY DWG 201.
- (S4) REMOVE OR ABANDON EXISTING SANITARY SEWER LATERAL FROM SEWER MAIN TO BACK OF CURB OR SIDEWALK AS SHOWN ON THE PLANS AND INSTALL 4" SANITARY SEWER LATERAL PER CITY STD 210.
- (S5) REMOVE SANITARY SEWER CLEANOUT AND INSTALL SANITARY SEWER CLEANOUT PER CITY DWG 203.
- (S7) REMOVE OR ABANDON EXISTING SANITARY SEWER LATERAL FROM SEWER MAIN TO BACK OF CURB OR SIDEWALK AS SHOWN ON THE PLANS AND INSTALL 6" SANITARY SEWER LATERAL SIMILAR TO CITY STD 210.
- (S8) CONNECT TO EXISTING SANITARY SEWER MANHOLE PER DETAIL 4/142
- (W1) INSTALL WATER MAIN, SIZE AS INDICATED
- (W2) INSTALL GATE VALVE PER CITY DWG 307
- (W3) INSTALL TEMPORARY BLOW OFF PER DETAIL 7/141
- (W4) TIE-IN TO EXISTING WATER MAIN. INSTALL FITTINGS AS REQUIRED UNDER CITY INSPECTION.
- (W5) REMOVE OR ABANDON EXISTING WATER MAIN
- (W6) REMOVE FIRE HYDRANT & APPURTENANCES. INSTALL NEW FIRE HYDRANT PER CITY DWG 305
- (W7) REMOVE EXISTING METER AND INSTALL 1" WATER SERVICE PLUMBED FOR 5/8"x3/4" METER PER CITY DWG 301. CONNECT TO EXISTING WATER SERVICE BEHIND SIDEWALK.
- (W13) LOWER PIPE UNDER STORM DRAIN OR SANITARY SEWER PER DETAIL 1/142
- (W16) PLUG AND ABANDON EXISTING WATER LINE.
- (W27) INSTALL 1.5" WATER SERVICE PER CITY STD 301 AND A REDUCED PRESSURE BACKFLOW DEVICE PER DETAIL 4/143

MAIN ST BASELINE PROFILE



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BL-EG: 612.58 / BL-FG: 612.67

PREPARED UNDER THE DIRECTION OF
STEVEN R. VAN SAUN, RCE 86180 DATE 09/27/2023
DESIGNED BY WJK/SF
DRAWN BY WJK/SF
REVIEWED BY SRV

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URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT
SPECIFICATION NO. 23-07
CITY OF UKIAH CALIFORNIA

PLAN & PROFILE
STA. 14+00 TO STA. 18+00

PROJECT NUMBER 29-4799
DRAWING DATE SEPTEMBER 2023
SHEET NUMBER 101 OF 143

URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT

ORIGINAL PLOT DATE:
IF THIS BAR DOES NOT MEASURE 3" THE DRAWING IS NOT ORIGINAL SCALE. ADJUST SCALE ACCORDINGLY FOR REDUCED PLANS. THE ORIGINAL SCALE IS IN INCHES
0 1 2 3
Xrefs: CCE-ENGINEERS STAMPS-PLAN.dwg;294799-RAMP.dwg;294799-ROAD-HATCH.dwg;294799-TP1.dwg;294799-TP2.dwg;210758_MPR.dwg;294799-TP.dwg
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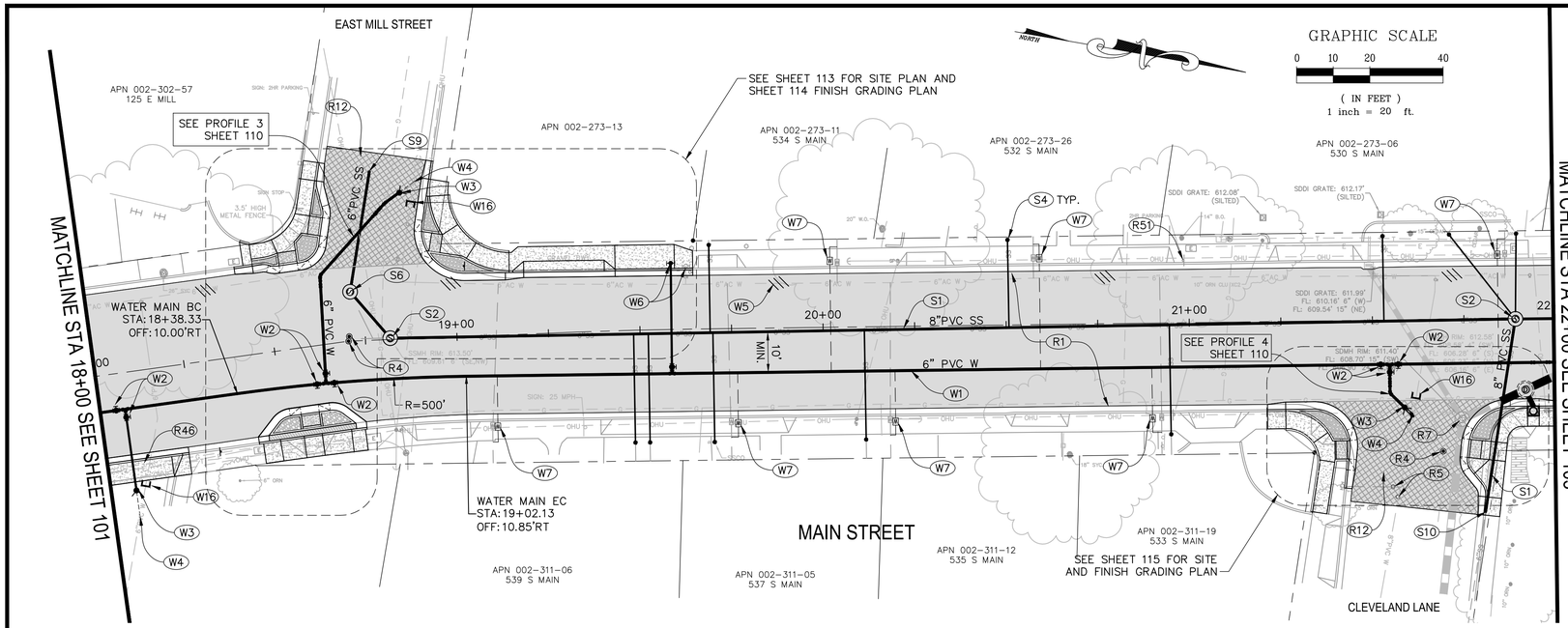
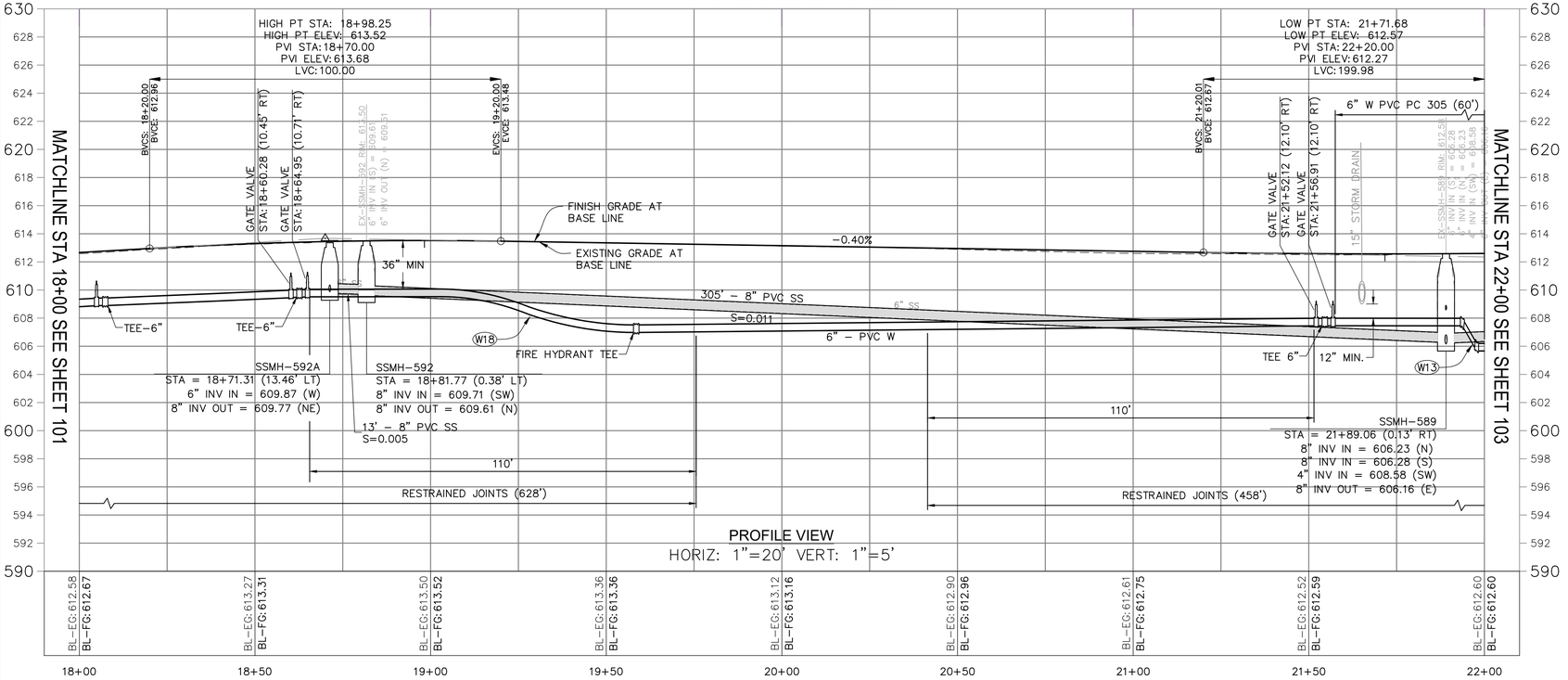


CONSTRUCTION NOTES:

- (R1) RECONSTRUCT ROADWAY PER TYPICAL SECTION
- (R4) REMOVE AND REPLACE CITY MONUMENT PER CITY DWG 140.
- (R5) ADJUST WATER VALVE FRAME AND COVER TO FINISH GRADE SIMILAR TO DETAIL 3/141
- (R7) ADJUST STORM DRAIN MANHOLE FRAME AND COVER TO FINISH GRADE PER DETAIL 3/141
- (R12) REMOVE EXISTING AC AND AGGREGATE BASE AND PLACE 6" FULL DEPTH AC
- (R46) REMOVE AND REPLACE DRIVEWAY CURB CUT AND APRON, WIDTH AS SHOWN. MATCH EXISTING DIMENSIONS.
- (R51) REMOVE EXISTING 2-HOUR PARKING SIGN AND POST.
- (S1) REMOVE SANITARY SEWER MAIN AND INSTALL 8" PVC SANITARY SEWER MAIN PER CITY STANDARDS.
- (S2) REMOVE SANITARY SEWER MANHOLE AND INSTALL 48" SANITARY SEWER MANHOLE PER CITY DWG 201.
- (S4) REMOVE OR ABANDON EXISTING SANITARY SEWER LATERAL FROM SEWER MAIN TO BACK OF CURB OR SIDEWALK AS SHOWN ON THE PLANS AND INSTALL 4" SANITARY SEWER LATERAL PER CITY STD 210.
- (S6) INSTALL 48" SANITARY SEWER MANHOLE PER CITY DWG 201.
- (S9) CONNECT NEW 6" SANITARY SEWER MAIN TO EXISTING 6" SANITARY SEWER MAIN WITH FITTINGS AS REQUIRED.
- (S10) CONNECT NEW 8" SANITARY SEWER MAIN TO EXISTING 6" SANITARY SEWER MAIN WITH ECCENTRIC REDUCER AND FITTINGS AS REQUIRED.
- (W1) INSTALL WATER MAIN, SIZE AS INDICATED.
- (W2) INSTALL GATE VALVE PER CITY DWG 307.
- (W3) INSTALL TEMPORARY BLOW OFF PER DETAIL 7/141
- (W4) TIE-IN TO EXISTING WATER MAIN. INSTALL FITTINGS AS REQUIRED UNDER CITY INSPECTION.
- (W5) REMOVE OR ABANDON EXISTING WATER MAIN.
- (W6) REMOVE FIRE HYDRANT & APPURTENANCES. INSTALL NEW FIRE HYDRANT PER CITY DWG 305.
- (W7) REMOVE EXISTING METER AND INSTALL 1" WATER SERVICE PLUMBED FOR 5/8"x3/4" METER PER CITY DWG 301. CONNECT TO EXISTING WATER SERVICE BEHIND SIDEWALK.
- (W13) LOWER PIPE UNDER STORM DRAIN OR SANITARY SEWER PER DETAIL 1/142
- (W16) PLUG AND ABANDON EXISTING WATER LINE.
- (W18) ROPE PIPE PER PLAN. INSTALLATION SHALL NOT EXCEED MANUFACTURER'S RECOMMENDED MAXIMUM DEFLECTION.

MAIN ST BASELINE PROFILE



PREPARED UNDER THE DIRECTION OF
STEVEN R. VAN SAUN, RCE 86180 DATE 09/27/2023
REVIEWED BY SRV
DRAWN BY WJK/SF
DESIGNED BY WJK/SF

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URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT
SPECIFICATION NO. 23-07
CITY OF UKIAH CALIFORNIA

PLAN & PROFILE STA. 18+00 TO STA. 22+00

PROJECT NUMBER 29-4799
DRAWING DATE SEPTEMBER 2023
SHEET NUMBER 102 OF 143

URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT

ORIGINAL PLOT DATE:

IF THESE PLANS, THE 0 1 2 3 INCHES IS NOT ONE INCH ON THESE PLANS, ADJUST SCALES ACCORDINGLY FOR REDUCED PLANS, ORIGINAL SCALE IS IN INCHES

Xrefs: CCE-ENGINEERS STAMPS-PLAN.dwg;294799-RAMP.dwg;294799-ROAD-HA10H.dwg;294799-TP1.dwg;294799-TP2.dwg;210758_MPR.dwg;294799-TP.dwg
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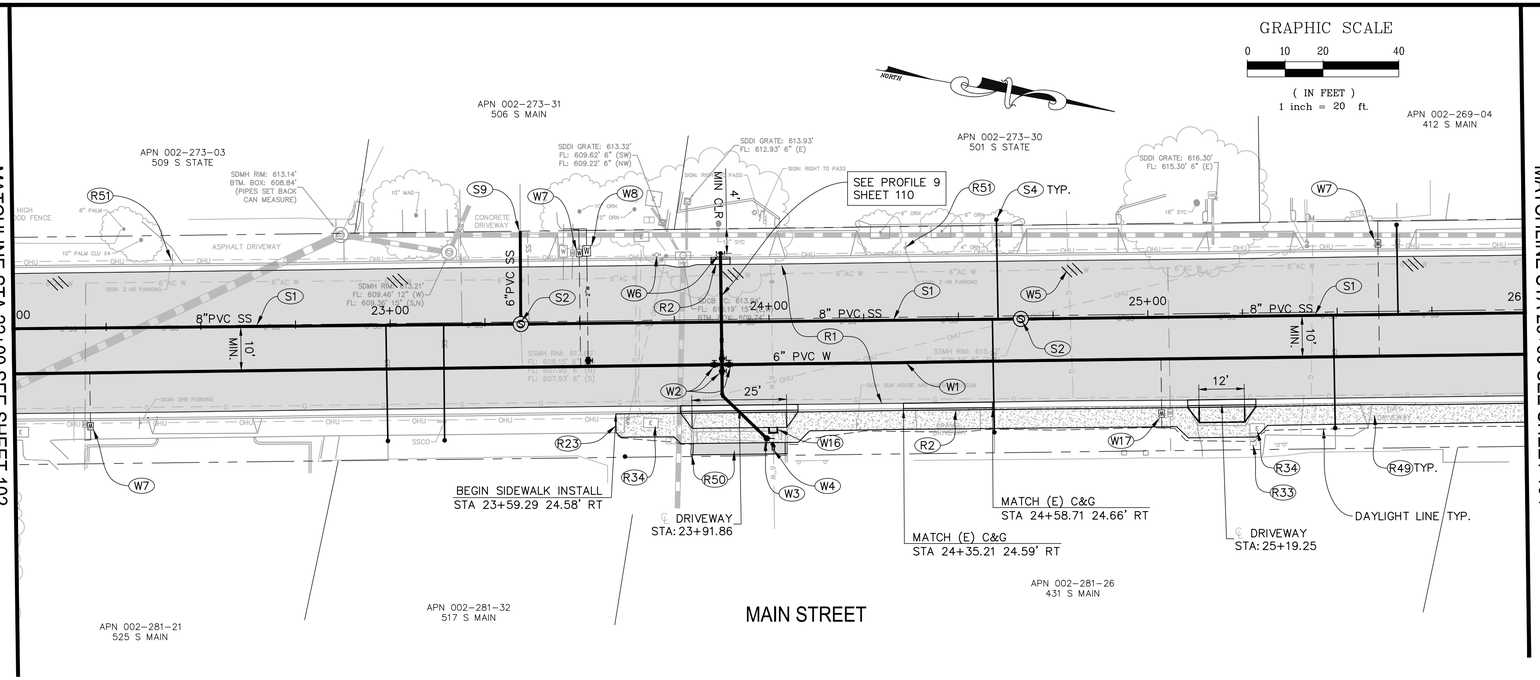
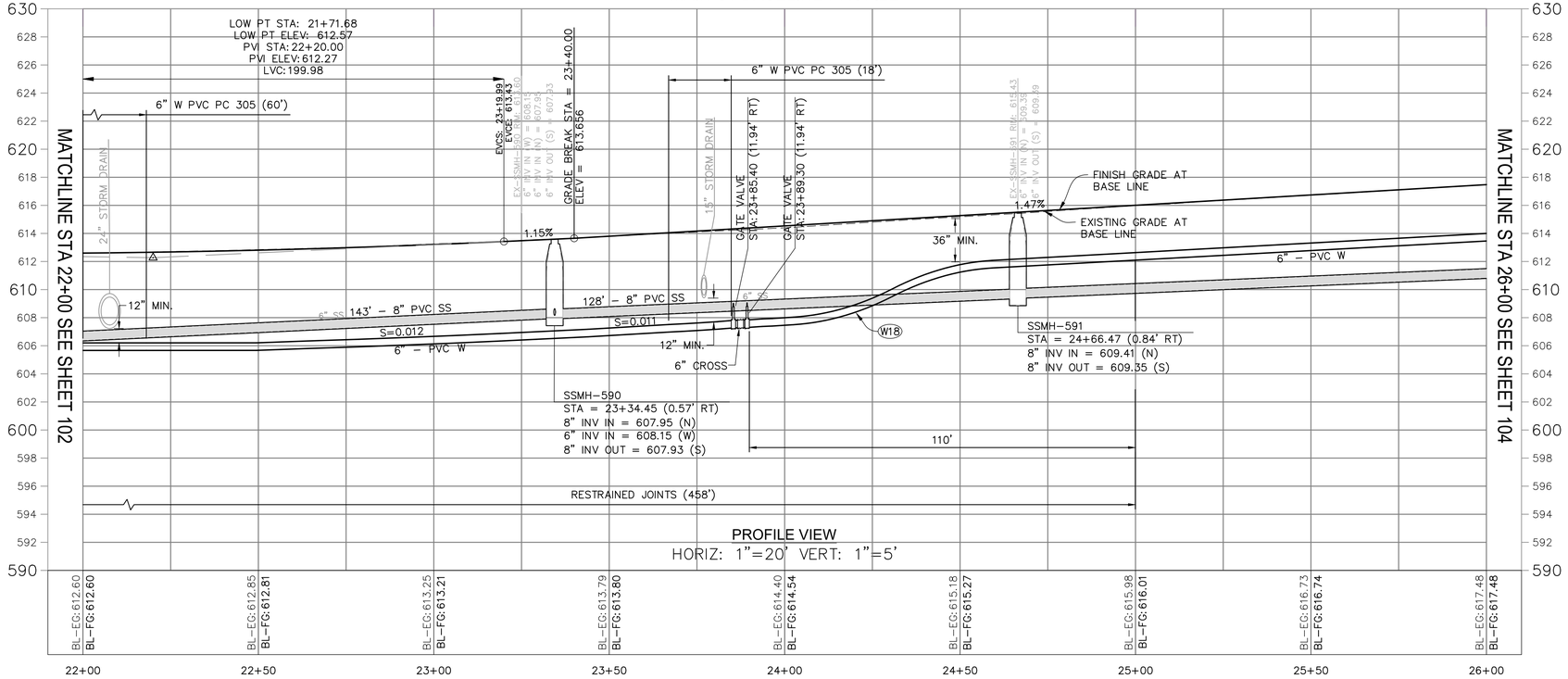


MAIN ST BASELINE PROFILE



CONSTRUCTION NOTES:

- (R1) RECONSTRUCT ROADWAY PER TYPICAL SECTION
- (R2) REMOVE AND REPLACE CURB AND GUTTER PER CITY DWG 102.
- (R23) CONFORM TO EXISTING CONCRETE.
- (R33) ADJUST TELEPHONE VAULT TO FINISH GRADE.
- (R34) ADJUST ELECTRIC BOX TO FINISH GRADE.
- (R49) PLACE SIDEWALK PER DETAIL 2/143
- (R50) PLACE 6" FULL DEPTH AC CONFORM AND CURB TAPER TO MATCH EXISTING. HEIGHT OF CURB SHALL MATCH BACK OF SIDEWALK FINISH GRADE.
- (R51) REMOVE EXISTING 2–HOUR PARKING SIGN AND POST.
- (S1) REMOVE SANITARY SEWER MAIN AND INSTALL 8" PVC SANITARY SEWER MAIN PER CITY STANDARDS.
- (S2) REMOVE SANITARY SEWER MANHOLE AND INSTALL 48" SANITARY SEWER MANHOLE PER CITY DWG 201.
- (S4) REMOVE OR ABANDON EXISTING SANITARY SEWER LATERAL FROM SEWER MAIN TO BACK OF CURB OR SIDEWALK AS SHOWN ON THE PLANS AND INSTALL 4" SANITARY SEWER LATERAL PER CITY STD 210.
- (S9) CONNECT NEW 6" SANITARY SEWER MAIN TO EXISTING 6" SANITARY SEWER MAIN WITH FITTINGS AS REQUIRED.
- (W1) INSTALL WATER MAIN, SIZE AS INDICATED.
- (W2) INSTALL GATE VALVE PER CITY DWG 307.
- (W3) INSTALL TEMPORARY BLOW OFF PER CITY DWG.
- (W4) TIE–IN TO EXISTING WATER MAIN. INSTALL FITTINGS AS REQUIRED UNDER CITY INSPECTION.
- (W5) REMOVE OR ABANDON EXISTING WATER MAIN.
- (W6) REMOVE FIRE HYDRANT & APPURTENANCES. INSTALL NEW FIRE HYDRANT PER CITY DWG 305.
- (W7) REMOVE EXISTING METER AND INSTALL 1" WATER SERVICE PLUMBED FOR 5/8"x3/4" METER PER CITY DWG 301. CONNECT TO EXISTING WATER SERVICE BEHIND SIDEWALK.
- (W8) INSTALL 2" WATER SERVICE AND 2" GATE VALVE WITH A 2" METER PER CITY DWG 301. CONNECT TO EXISTING WATER SERVICE BEHIND SIDEWALK.
- (W16) PLUG AND ABANDON EXISTING WATER LINE.
- (W17) REMOVE EXISTING METER AND INSTALL 1" WATER SERVICE WITH A 1" METER PER CITY DWG 301. CONNECT TO EXISTING WATER SERVICE BEHIND SIDEWALK.
- (W18) ROPE PIPE PER PLAN. INSTALLATION SHALL NOT EXCEED MANUFACTURER'S RECOMMENDED MAXIMUM DEFLECTION.

STEVEN R. VAN SAUN, No. C 86180, CIVIL, REGISTERED PROFESSIONAL ENGINEER, STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF
STEVEN R. VAN SAUN, RCE 86180 DATE 09/27/2023

DESIGNED BY WJK/SF | DRAWN BY WJK/SF | REVIEWED BY SRV

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URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT
SPECIFICATION NO. 23-07
CITY OF UKIAH CALIFORNIA

PLAN & PROFILE
STA. 22+00 TO STA. 26+00

PROJECT NUMBER 29-4799
DRAWING DATE SEPTEMBER 2023
SHEET NUMBER 103 OF 143

URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT

ORIGINAL PLOT DATE:
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE. FOR REDUCED PLANS, THE 0 1 2 3 IS IN INCHES
ORIGINAL SCALE IS IN INCHES
Xrefs: CCE-ENGINEERS STAMPS-PLAN.dwg;294799-RAMP.dwg;294799-ROAD-MATCH.dwg;294799-TP1.dwg;294799-TP2.dwg;210758_IMPR.dwg;294799-TP.dwg
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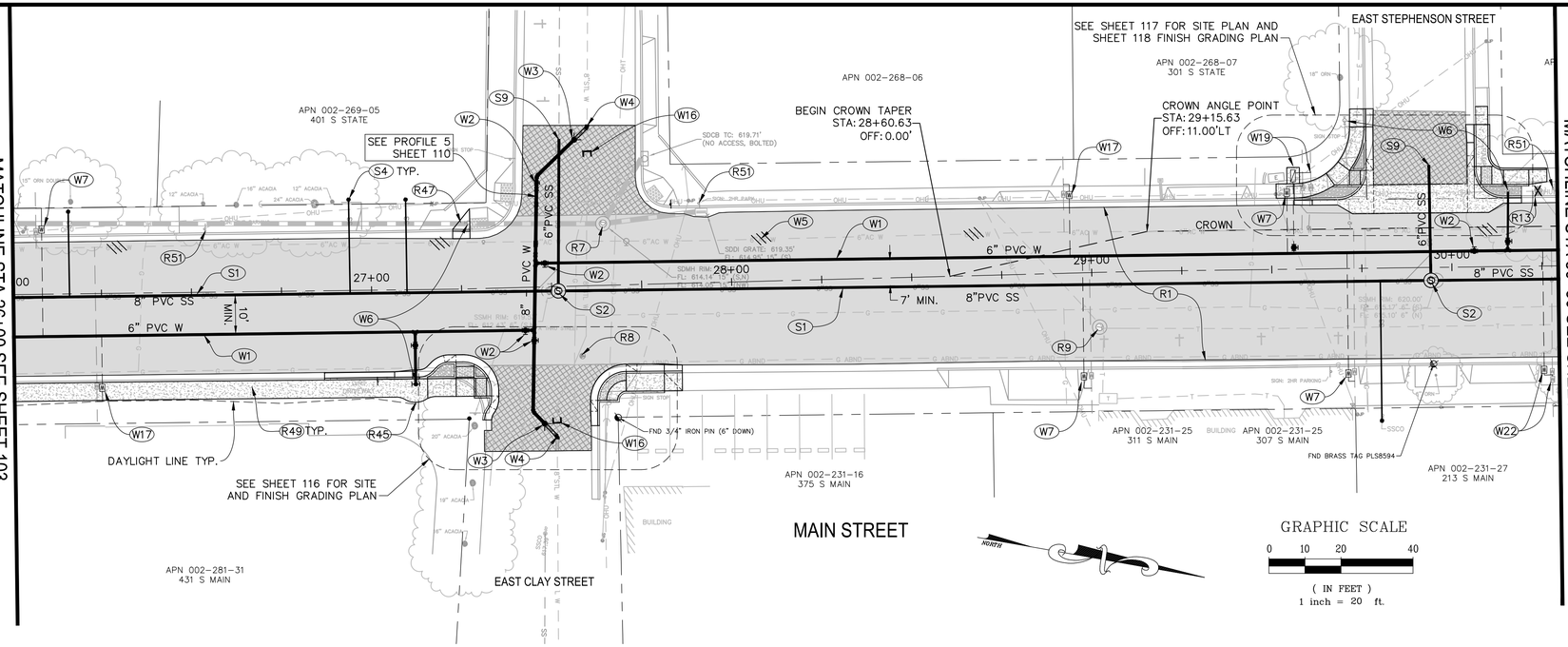

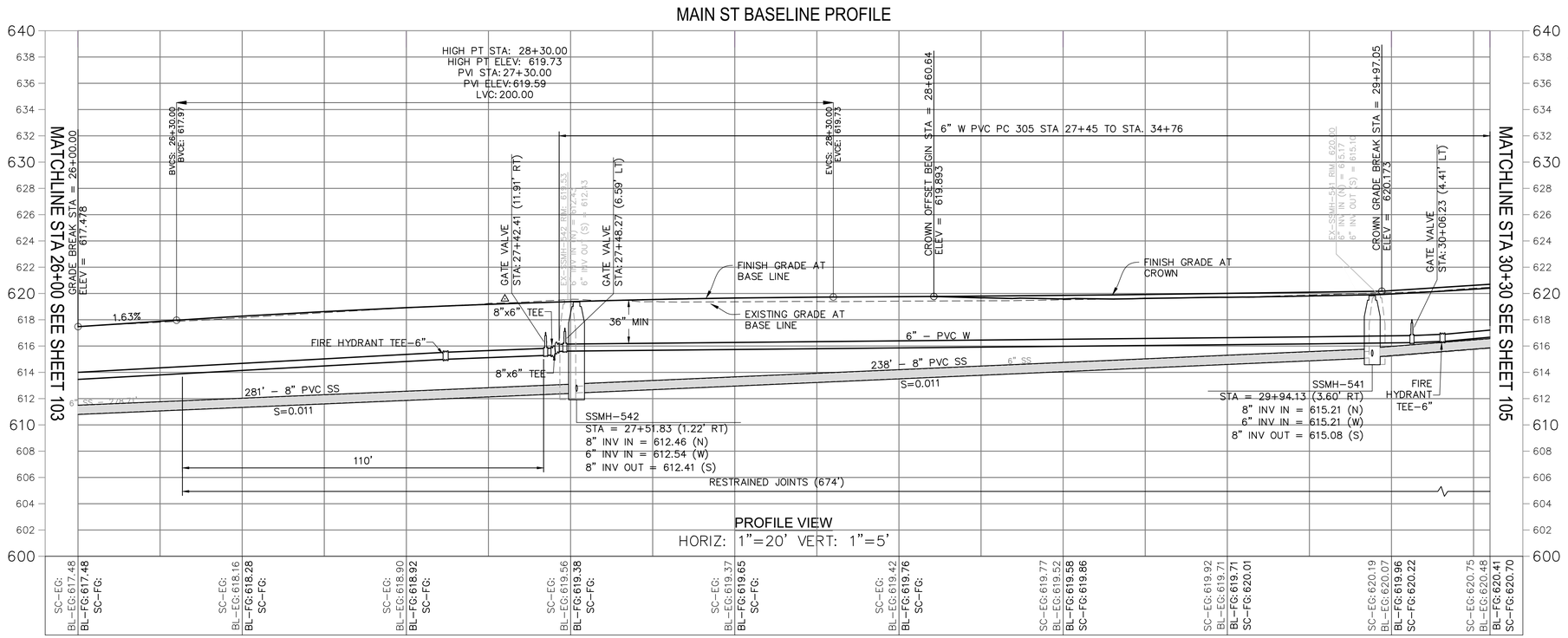

CONSTRUCTION NOTES:

- (R1) RECONSTRUCT ROADWAY PER TYPICAL SECTION — 5/142
- (R7) ADJUST STORM DRAIN MANHOLE FRAME AND COVER TO FINISH GRADE SIMILAR TO DETAIL — 3/141
- (R8) ADJUST GAS VALVE FRAME AND COVER TO FINISH GRADE SIMILAR TO DETAIL — 3/141
- (R9) ADJUST TELEPHONE MANHOLE FRAME AND COVER TO FINISH GRADE PER DETAIL — 3/142
- (R12) REMOVE EXISTING AC AND AGGREGATE BASE AND PLACE 6" FULL DEPTH AC
- (R13) REMOVE TREE AND GRIND STUMP.
- (R45) WARP SIDEWALK FOR CLEARANCE SEE DETAIL — 6/142
- (R49) PLACE SIDEWALK PER TYPICAL SECTION — 2/143
- (R51) REMOVE EXISTING 2-HOUR PARKING SIGN AND POST.
- (S1) REMOVE SANITARY SEWER MAIN AND INSTALL 8" PVC SANITARY SEWER MAIN PER CITY STANDARDS.
- (S2) REMOVE SANITARY SEWER MANHOLE AND INSTALL 48" SANITARY SEWER MANHOLE PER CITY DWG 201.
- (S4) REMOVE OR ABANDON EXISTING SANITARY SEWER LATERAL FROM SEWER MAIN TO BACK OF CURB OR SIDEWALK AS SHOWN ON THE PLANS AND INSTALL 4" SANITARY SEWER LATERAL PER CITY STD 210.
- (S9) CONNECT NEW 6" SANITARY SEWER MAIN TO EXISTING 6" SANITARY SEWER MAIN WITH FITTINGS AS REQUIRED.
- (W1) INSTALL WATER MAIN, SIZE AS INDICATED.
- (W2) INSTALL GATE VALVE PER CITY DWG 307.
- (W3) INSTALL TEMPORARY BLOW OFF PER DETAIL — 7/141
- (W4) TIE-IN TO EXISTING WATER MAIN. INSTALL FITTINGS AS REQUIRED UNDER CITY INSPECTION.
- (W5) REMOVE OR ABANDON EXISTING WATER MAIN.
- (W6) REMOVE FIRE HYDRANT & APPURTENANCES. INSTALL NEW FIRE HYDRANT PER CITY DWG 305.
- (W7) REMOVE EXISTING METER AND INSTALL 1" WATER SERVICE PLUMBED FOR 5/8"x3/4" METER PER CITY DWG 301. CONNECT TO EXISTING WATER SERVICE BEHIND SIDEWALK.
- (W16) PLUG AND ABANDON EXISTING WATER LINE.
- (W17) REMOVE EXISTING METER AND INSTALL 1" WATER SERVICE WITH A 1" METER PER CITY DWG 301. CONNECT TO EXISTING WATER SERVICE BEHIND SIDEWALK.
- (W19) REMOVE EXISTING METER BOX AND APPURTENANCES. INSTALL A 4" FIRE SERVICE, 4" GATE VALVE AND A DOUBLE CHECK DETECTOR BACKFLOW ASSEMBLY PER DETAIL — 3/143
  CONNECT TO EXISTING FIRE SERVICE AFTER INSTALLATION AND ACTIVATION OF NEW MAIN.
- (W22) REMOVE EXISTING METER AND INSTALL 1" WATER SERVICE PLUBMED FOR 5/8"x3/4" METER PER CITY DWG 301. CONNECT TO EXISTING BACKFLOW DEVICE. RE-CERTIFY BACKFLOW DEVICE AFTER NEW WATER WATER METER IS INSTALLED PER CITY STANDARDS.

STEVEN R. VAN SAUN
No. C 86180
PROFESSIONAL ENGINEER
REGISTERED
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF
STEVEN R. VAN SAUN, RCE 86180 DATE 09/27/2023

DESIGNED BY	DRAWN BY	REVIEWED BY
WJK/SF	WJK/SF	SRV

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URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT
SPECIFICATION NO: 23-07
CITY OF UKIAH CALIFORNIA

PLAN & PROFILE
STA. 26+00 TO STA. 30+30

PROJECT NUMBER 29-4799
DRAWING DATE SEPTEMBER 2023
SHEET NUMBER 104 OF 143

URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT

ORIGINAL PLOT DATE:
ORIGINAL SCALE IS IN INCHES. THE 0, 1, 2, 3 FOR REDUCED PLANS.
Xrefs: CCE-ENGINEERS STAMPS-PLAN.dwg;294799-RAMP.dwg;294799-ROAD-HATCH.dwg;294799-TP1.dwg;294799-TP2.dwg;210758_IMPR.dwg;294799-TP.dwg
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ORIGINAL PLOT DATE:

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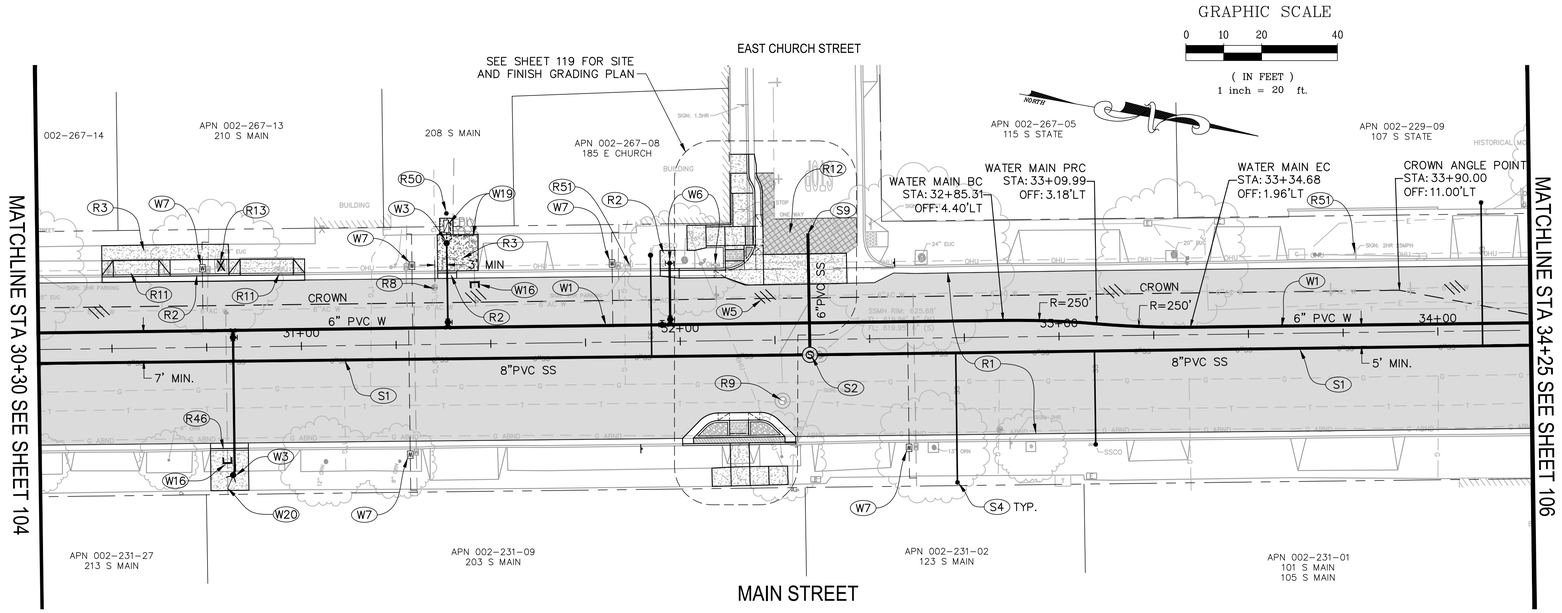

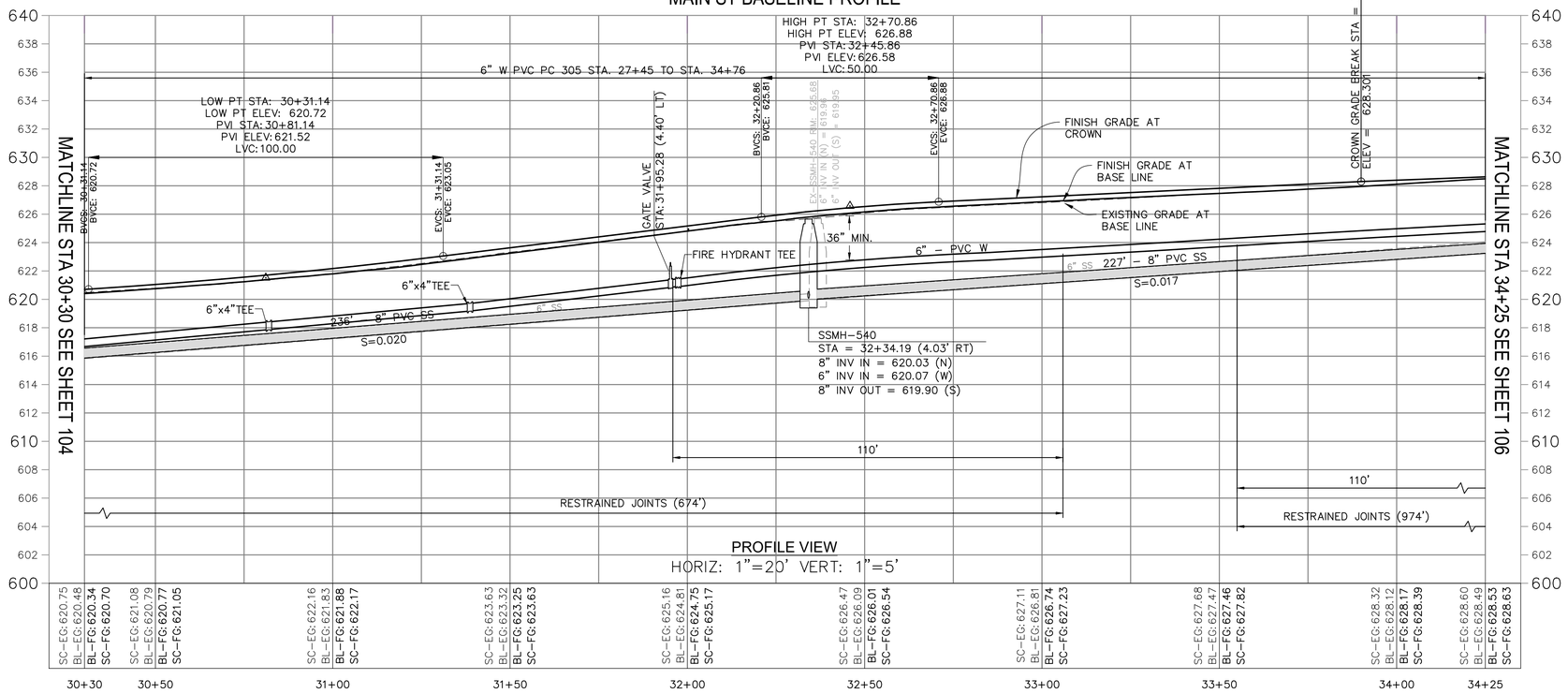

CONSTRUCTION NOTES:

- (R1) RECONSTRUCT ROADWAY PER TYPICAL SECTION — (5/142)
- (R2) REMOVE AND REPLACE CURB AND GUTTER PER CITY DWG 102.
- (R3) REMOVE AND REPLACE SIDEWALK PER CITY DWG 102.
- (R8) ADJUST GAS VALVE FRAME AND COVER TO FINISH GRADE SIMILAR TO DETAIL — (3/141)
- (R9) ADJUST TELEPHONE MANHOLE FRAME AND COVER TO FINISH GRADE PER DETAIL — (3/142)
- (R11) REMOVE & REPLACE DRIVEWAY MATCH EXISTING DIMENSIONS AND SIMILAR TO CITY DWG 103.
- (R12) REMOVE EXISTING AC AND AGGREGATE BASE AND PLACE 6" FULL DEPTH AC
- (R13) REMOVE TREE AND GRIND STUMP.
- (R46) REMOVE AND REPLACE DRIVEWAY CURB CUT AND APRON, WIDTH AS SHOWN. MATCH EXISTING DIMENSIONS.
- (R50) INSTALL BOLLARD PER DETAIL — (5/143)
- (S1) REMOVE SANITARY SEWER MAIN AND INSTALL 8" PVC SANITARY SEWER MAIN PER CITY STANDARDS.
- (S2) REMOVE SANITARY SEWER MANHOLE AND INSTALL 48" SANITARY SEWER MANHOLE PER CITY DWG 201.
- (S4) REMOVE OR ABANDON EXISTING SANITARY SEWER LATERAL FROM SEWER MAIN TO BACK OF CURB OR SIDEWALK AS SHOWN ON THE PLANS AND INSTALL 4" SANITARY SEWER LATERAL PER CITY STD 210.
- (S9) CONNECT NEW 6" SANITARY SEWER MAIN TO EXISTING 6" SANITARY SEWER MAIN WITH FITTINGS AS REQUIRED.
- (W1) INSTALL WATER MAIN, SIZE AS INDICATED
- (W3) INSTALL TEMPORARY BLOW OFF PER DETAIL — (7/141)
- (W5) REMOVE OR ABANDON EXISTING WATER MAIN
- (W6) REMOVE FIRE HYDRANT & APPURTENANCES. INSTALL NEW FIRE HYDRANT PER CITY DWG 305
- (W7) REMOVE EXISTING METER AND INSTALL 1" WATER SERVICE PLUMBED FOR 5/8"x3/4" METER PER CITY DWG 301. CONNECT TO EXISTING WATER SERVICE BEHIND SIDEWALK.
- (W16) PLUG AND ABANDON EXISTING WATER LINE.
- (W20) INSTALL 4" FIRE SERVICE & 4" GATE VALVE. CONNECT TO EXISTING FIRE SERVICE AFTER INSTALLATION AND ACTIVATION OF NEW WATER MAIN. CONTRACTOR TO RE-CERTIFY BACKFLOW DEVICE AFTER FINAL CONNECTION TO NEW MAIN.
- (W19) REMOVE EXISTING METER BOX AND APPURTENANCES. INSTALL A 4" FIRE SERVICE, 4" GATE VALVE AND A DOUBLE CHECK DETECTOR BACKFLOW ASSEMBLY PER DETAIL — (3/143) CONNECT TO EXISTING FIRE SERVICE AFTER INSTALLATION AND ACTIVATION OF NEW MAIN.

PROFESSIONAL ENGINEER — STEVEN R. VAN SAUN — No. C 86180 — CIVIL — STATE OF CALIFORNIA — REGISTERED

PREPARED UNDER THE DIRECTION OF
STEVEN R. VAN SAUN, RCE 86180 DATE 09/27/2023

DESIGNED BY	DRAWN BY	REVIEWED BY
WJK/SF	WJK/SF	SRV

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URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT
SPECIFICATION NO. 23-07
CITY OF UKIAH CALIFORNIA

PLAN & PROFILE
STA. 30+30 TO STA. 34+25

PROJECT NUMBER 29-4799
DRAWING DATE SEPTEMBER 2023
SHEET NUMBER 105 OF 143

URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT

Xrefs: CCE-ENGINEERS STAMPS-PLAN.dwg;294799-RAMP.dwg;294799-ROAD-HATCH.dwg;294799-TP1.dwg;294799-TP2.dwg;210758_IMPR.dwg;294799-TP.dwg
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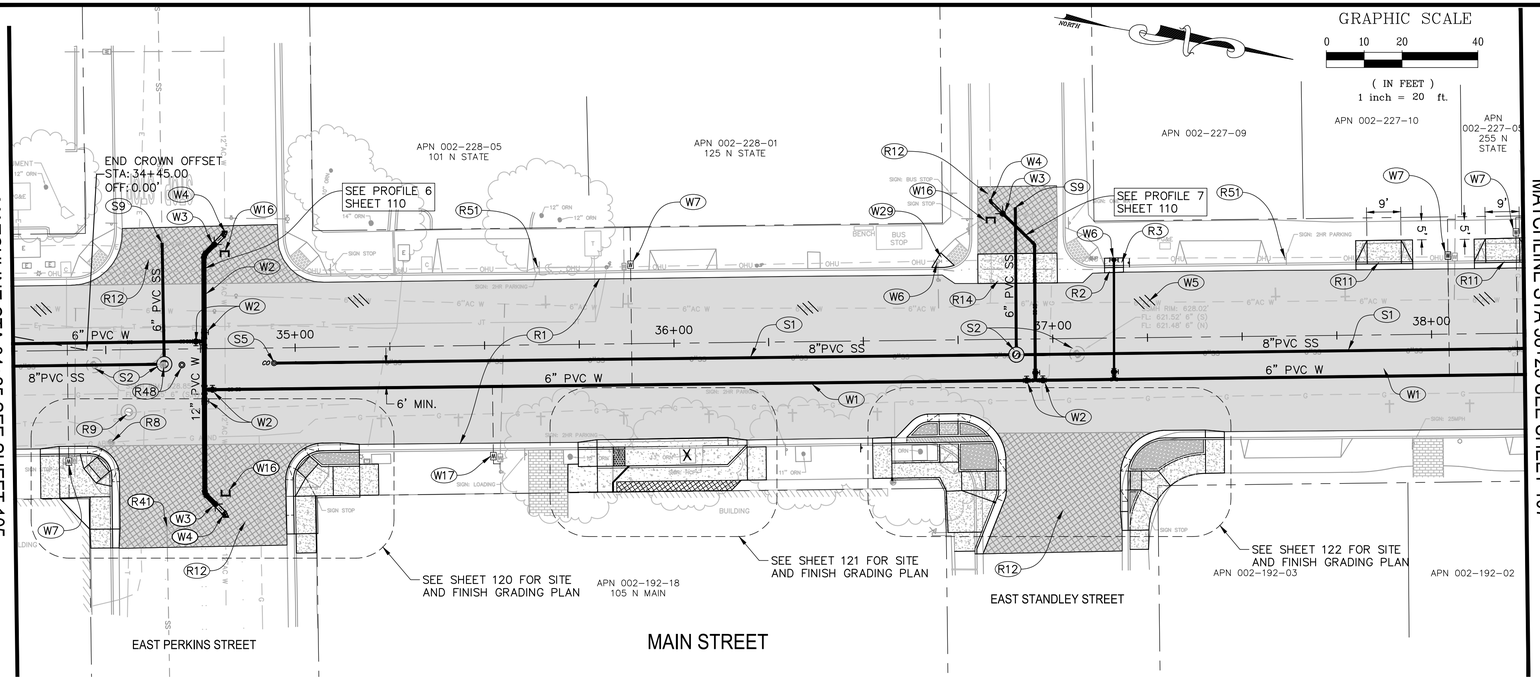
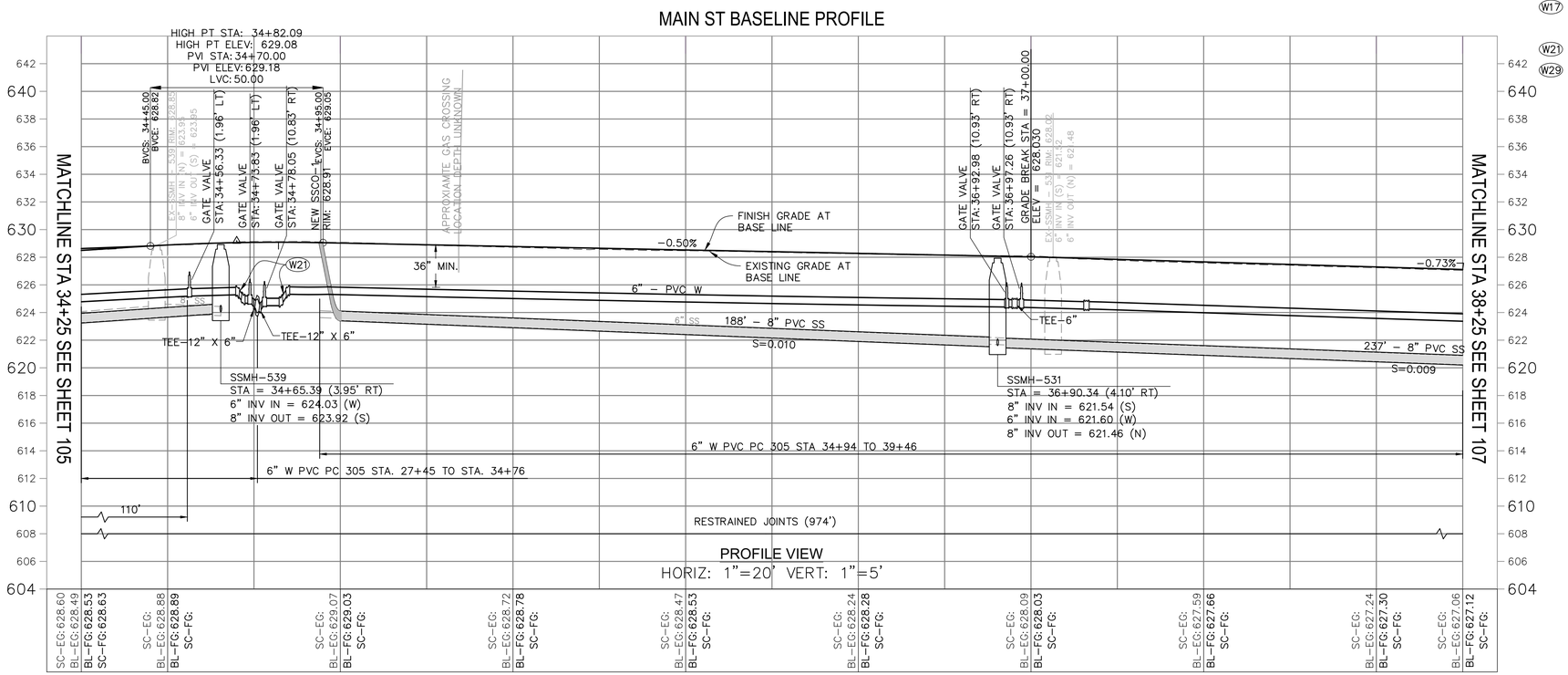


MAIN ST BASELINE PROFILE



CONSTRUCTION NOTES:

- (R1) RECONSTRUCT ROADWAY PER TYPICAL SECTION — (5/142)
- (R2) REMOVE AND REPLACE CURB AND GUTTER PER CITY DWG 102.
- (R8) ADJUST GAS VALVE FRAME AND COVER TO FINISH GRADE SIMILAR TO DETAIL — (3/141)
- (R9) ADJUST TELEPHONE MANHOLE FRAME AND COVER TO FINISH GRADE PER DETAIL — (3/141)
- (R11) REMOVE & REPLACE DRIVEWAY MATCH EXISTING DIMENSIONS AND SIMILAR TO CITY DWG 103.
- (R12) REMOVE EXISTING AC AND AGGREGATE BASE AND PLACE 6" FULL DEPTH AC
- (R14) REMOVE AND REPLACE VALLEY GUTTER PER CITY DWG 104.
- (R41) ADJUST SANITARY SEWER CLEANOUT FRAME AND COVER TO FINISH GRADE SIMILAR TO DETAIL — (3/141)
- (R48) REMOVE AND REPLACE CITY MONUMENT PER CITY DWG 140. OFFSET NEW CENTERLINE INTERSECTION MONUMENT 5' NORTHERLY ON MAIN STREET CENTERLINE TO AVOID UTILITY CONFLICT.
- (S1) REMOVE SANITARY SEWER MAIN AND INSTALL 8" PVC SANITARY SEWER MAIN PER CITY STANDARDS.
- (S2) REMOVE SANITARY SEWER MANHOLE AND INSTALL 48" SANITARY SEWER MANHOLE PER CITY DWG 201.
- (S4) REMOVE OR ABANDON EXISTING SANITARY SEWER LATERAL FROM SEWER MAIN TO BACK OF CURB OR SIDEWALK AS SHOWN ON THE PLANS AND INSTALL 4" SANITARY SEWER LATERAL PER CITY STD 210.
- (S5) REMOVE SANITARY SEWER CLEANOUT AND INSTALL SANITARY SEWER CLEANOUT PER CITY DWG 203.
- (S9) CONNECT NEW 6" SANITARY SEWER MAIN TO EXISTING 6" SANITARY SEWER MAIN WITH FITTINGS AS REQUIRED.
- (W1) INSTALL WATER MAIN, SIZE AS INDICATED
- (W2) INSTALL GATE VALVE PER CITY DWG 307
- (W3) INSTALL TEMPORARY BLOW OFF PER DETAIL — (7/141)
- (W4) TIE-IN TO EXISTING WATER MAIN. INSTALL FITTINGS AS REQUIRED UNDER CITY INSPECTION.
- (W5) REMOVE OR ABANDON EXISTING WATER MAIN
- (W6) REMOVE FIRE HYDRANT & APPURTENANCES. INSTALL NEW FIRE HYDRANT PER CITY DWG 305
- (W7) REMOVE EXISTING METER AND INSTALL 1" WATER SERVICE PLUMBED FOR 5/8"x3/4" METER PER CITY DWG 301. CONNECT TO EXISTING WATER SERVICE BEHIND SIDEWALK.
- (W16) PLUG AND ABANDON EXISTING WATER LINE.
- (W17) REMOVE EXISTING METER AND INSTALL 1" WATER SERVICE WITH A 1" METER PER CITY DWG 301. CONNECT TO EXISTING WATER SERVICE BEHIND SIDEWALK.
- (W21) 6-INCH WATER MAIN LOWERING SIMILAR TO DETAIL — (1/142)
- (W29) REMOVE AND REPLACE PORTIONS OF CURB RAMP AS REQUIRED FOR THE FIRE HYDRANT REMOVAL.

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PREPARED UNDER THE DIRECTION OF
STEVEN R. VAN SAUN, RCE 86180 DATE 09/27/2023

DESIGNED BY	DRAWN BY	REVIEWED BY
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URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT
SPECIFICATION NO. 23-07
CITY OF UKIAH CALIFORNIA

PLAN & PROFILE
STA. 34+25 TO STA. 38+25

PROJECT NUMBER
29-4799

DRAWING DATE
SEPTEMBER 2023

SHEET NUMBER
106 OF 143

URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT

ORIGINAL PLOT DATE:

FOR REDUCED PLANS, THE 0 1 2 3 IS IN INCHES
ORIGINAL SCALE IS IN INCHES

Xrefs: CCE-ENGINEERS STAMPS-PLAN.dwg;294799-RAMP.dwg;294799-ROAD-HATCH.dwg;294799-TP1.dwg;294799-TP2.dwg;210758_IMPR.dwg;294799-TP.dwg
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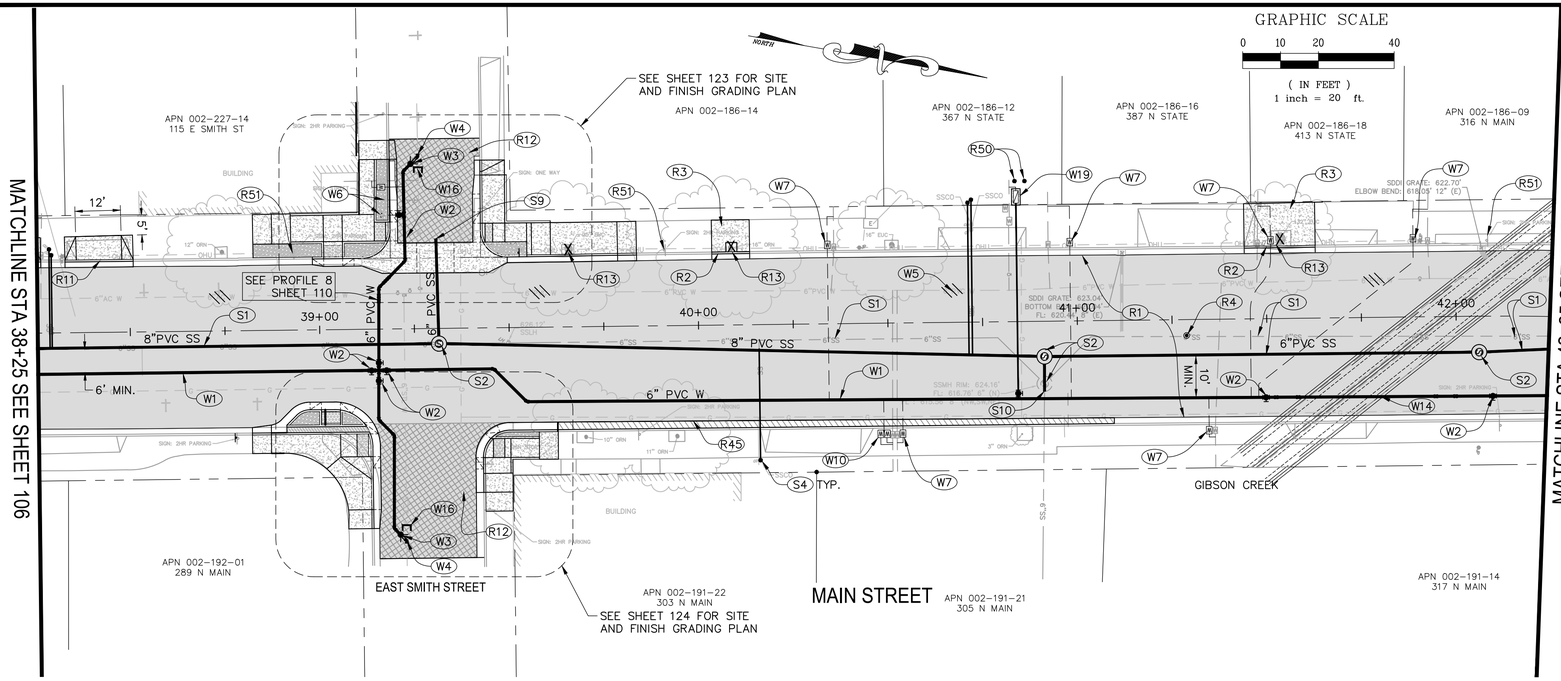
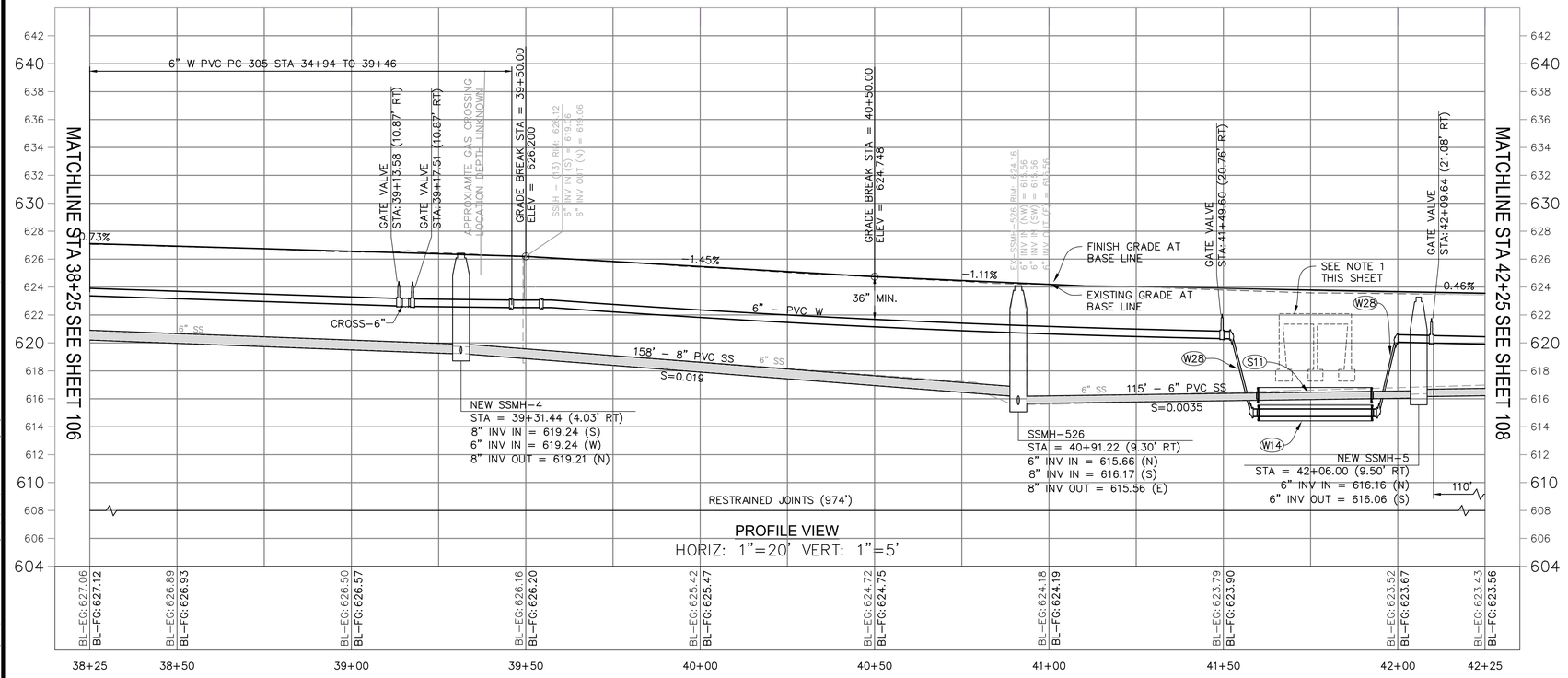


MAIN ST BASELINE PROFILE



CONSTRUCTION NOTES:

- (R1) RECONSTRUCT ROADWAY PER TYPICAL SECTION — 5/142
- (R2) REMOVE AND REPLACE CURB AND GUTTER PER CITY DWG 102.
- (R3) REMOVE AND REPLACE SIDEWALK PER CITY DWG 102.
- (R4) REMOVE AND REPLACE CITY MONUMENT PER CITY DWG 140.
- (R11) REMOVE & REPLACE DRIVEWAY MATCH EXISTING DIMENSIONS AND SIMILAR TO CITY DWG 103.
- (R12) REMOVE EXISTING AC AND AGGREGATE BASE AND PLACE 6" FULL DEPTH AC
- (R13) REMOVE TREE AND GRIND STUMP.
- (R45) REMOVE AC FROM GUTTER PAN
- (R50) INSTALL BOLLARD PER DETAIL — 5/143
- (S1) REMOVE SANITARY SEWER MAIN AND INSTALL 8" PVC SANITARY SEWER MAIN PER CITY STANDARDS.
- (S2) REMOVE SANITARY SEWER MANHOLE AND INSTALL 48" SANITARY SEWER MANHOLE PER CITY DWG 201.
- (S4) REMOVE OR ABANDON EXISTING SANITARY SEWER LATERAL FROM SEWER MAIN TO BACK OF CURB OR SIDEWALK AS SHOWN ON THE PLANS AND INSTALL 4" SANITARY SEWER LATERAL PER CITY STD 210.
- (S9) CONNECT NEW 6" SANITARY SEWER MAIN TO EXISTING 6" SANITARY SEWER MAIN WITH FITTINGS AS REQUIRED.
- (S10) CONNECT NEW 8" SANITARY SEWER MAIN TO EXISTING 6" SANITARY SEWER MAIN WITH ECCENTRIC REDUCER AND FITTINGS AS REQUIRED
- (S11) JACK & BORE WATERLINE UNDER STORM DRAIN CULVERT PER DETAIL — 4/141
- (W1) INSTALL WATER MAIN, SIZE AS INDICATED
- (W2) INSTALL GATE VALVE PER CITY DWG 307
- (W3) INSTALL TEMPORARY BLOW OFF PER DETAIL — 7/141
- (W4) TIE-IN TO EXISTING WATER MAIN. INSTALL FITTINGS AS REQUIRED UNDER CITY INSPECTION.
- (W5) REMOVE OR ABANDON EXISTING WATER MAIN
- (W6) REMOVE FIRE HYDRANT & APPURTENANCES. INSTALL NEW FIRE HYDRANT PER CITY DWG 305
- (W7) REMOVE EXISTING METER AND INSTALL 1" WATER SERVICE PLUMBED FOR 5/8"x3/4" METER PER CITY DWG 301. CONNECT TO EXISTING WATER SERVICE BEHIND SIDEWALK.
- (W10) REMOVE EXISTING METERS & INSTALL 1.5" DUAL WATER SERVICE PLUMBED FOR 5/8"x3/4" METERS SIMILAR TO CITY DWG 301 & DETAIL — 8/142
- (W14) JACK & BORE WATERLINE UNDER STORM DRAIN CULVERT PER DETAIL — 4/141
- (W16) PLUG AND ABANDON EXISTING WATER LINE.
- (W19) REMOVE EXISTING METER BOX AND APPURTENANCES. INSTALL A 4" FIRE SERVICE, 4" GATE VALVE AND A DOUBLE CHECK DETECTOR BACKFLOW ASSEMBLY PER DETAIL — 3/143 CONNECT TO EXISTING FIRE SERVICE AFTER INSTALLATION AND ACTIVATION OF NEW MAIN.
- (W28) LOWER PIPE SIMILAR TO DETAIL — 1/142

NOTES:

1. APPROXIMATE LOCATION OF EXISTING CONCRETE CULVERT. CONTRACTOR SHALL FIELD VERIFY DEPTH OF CULVERT AS THE FIRST ORDER OF WORK. SHOULD A CONFLICT ARISE WITH THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY

PREPARED UNDER THE DIRECTION OF
STEVEN R. VAN SAUN, RCE 86180 DATE 09/27/2023
DESIGNED BY WJK/SF | DRAWN BY WJK/SF | REVIEWED BY SRV

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URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT
SPECIFICATION NO. 23-07
CITY OF UKIAH CALIFORNIA

PLAN & PROFILE STA. 38+25 TO STA. 42+25

PROJECT NUMBER 29-4799
DRAWING DATE SEPTEMBER 2023
SHEET NUMBER 107 OF 143

URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT

ORIGINAL PLOT DATE:
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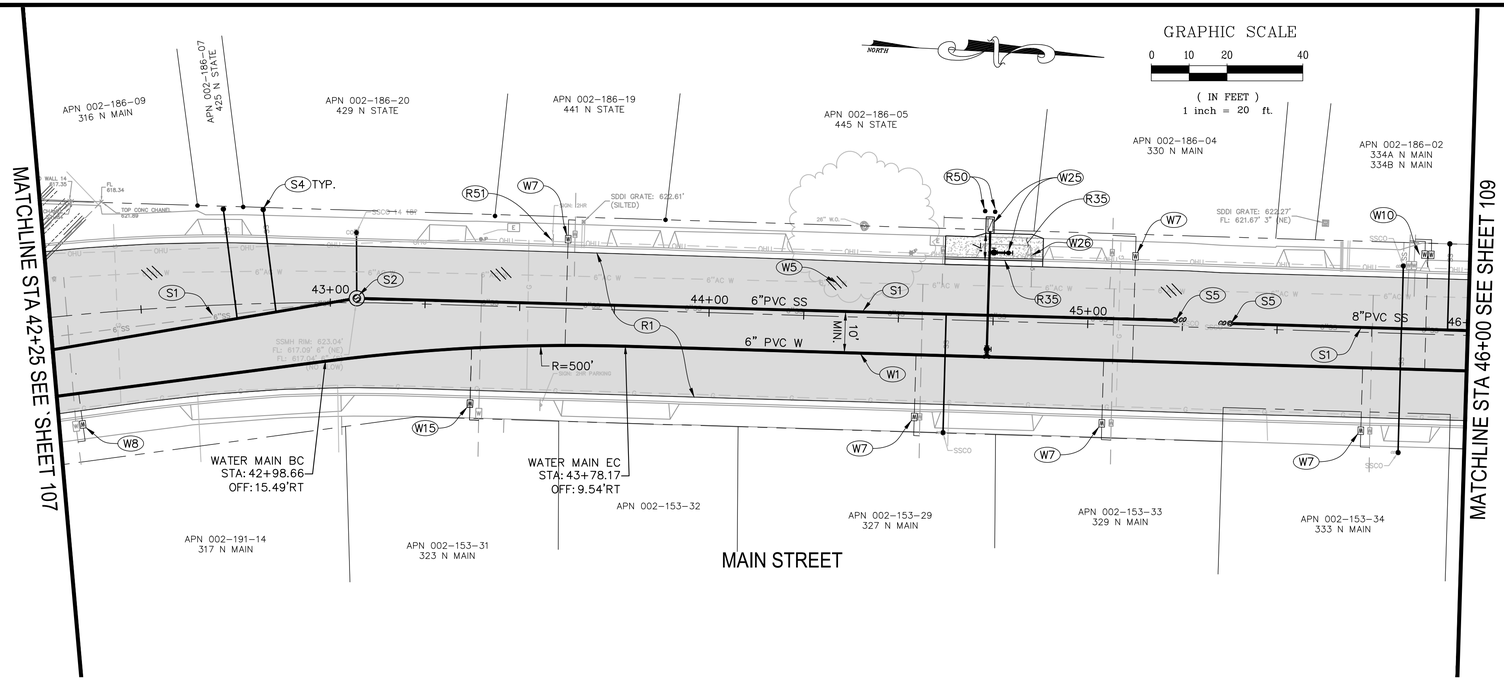
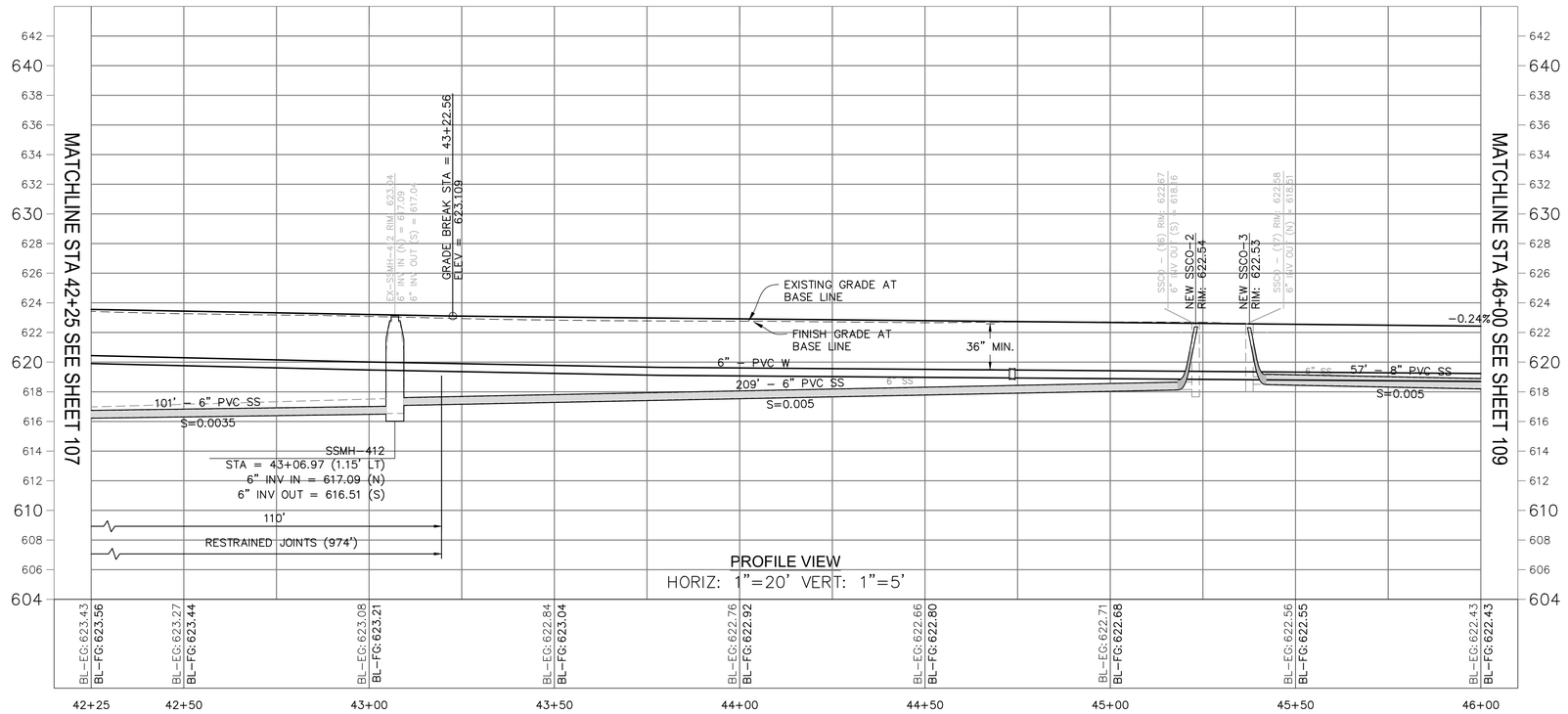


MAIN ST BASELINE PROFILE



CONSTRUCTION NOTES:

- (R1) RECONSTRUCT ROADWAY PER TYPICAL SECTION — 5/142
- (R35) REMOVE EXISTING DRIVEWAY AND SIDEWALK. INSTALL NEW CURB, GUTTER AND SIDEWALK PER CITY DWG 102 AND PLAN.
- (R50) INSTALL BOLLARD PER DETAIL — 5/143
- (R51) REMOVE EXISTING 2-HOUR PARKING SIGN AND POST.
- (S1) REMOVE SANITARY SEWER MAIN AND INSTALL 8" PVC SANITARY SEWER MAIN PER CITY STANDARDS.
- (S2) REMOVE SANITARY SEWER MANHOLE AND INSTALL 48" SANITARY SEWER MANHOLE PER CITY DWG 201.
- (S4) REMOVE OR ABANDON EXISTING SANITARY SEWER LATERAL FROM SEWER MAIN TO BACK OF CURB OR SIDEWALK AS SHOWN ON THE PLANS AND INSTALL 4" SANITARY SEWER LATERAL PER CITY STD 210.
- (S5) REMOVE SANITARY SEWER CLEANOUT AND INSTALL SANITARY SEWER CLEANOUT PER CITY DWG 203.
- (W1) INSTALL WATER MAIN, SIZE AS INDICATED
- (W5) REMOVE OR ABANDON EXISTING WATER MAIN
- (W7) REMOVE EXISTING METER AND INSTALL 1" WATER SERVICE PLUMBED FOR 5/8"x3/4" METER PER CITY DWG 301. CONNECT TO EXISTING WATER SERVICE BEHIND SIDEWALK.
- (W8) INSTALL 2" WATER SERVICE AND 2" GATE VALVE WITH A 2" METER PER CITY DWG 301. CONNECT TO EXISTING WATER SERVICE BEHIND SIDEWALK.
- (W10) REMOVE EXISTING METERS & INSTALL 1.5" DUAL WATER SERVICE PLUMBED FOR 5/8"x3/4" METERS SIMILAR TO CITY DWG 301 & DETAIL — 8/142
- (W15) INSTALL 1.5" WATER SERVICE SIMILAR TO CITY STD 301 AND TIE-INTO EXISTING WATER SERVICE BEHIND SIDEWALK.
- (W25) REMOVE EXISTING METER BOX AND APPURTENANCES. INSTALL 6" COMBINATION WATER SERVICE. INSTALL A FIRE HYDRANT SIMILAR TO SIMILAR TO CITY DWG 305 AND A DOUBLE CHECK DETECTOR BACKFLOW ASSEMBLY PER DETAIL — 3/143 CONNECT TO EXISTING FIRE SERVICE AFTER INSTALLATION AND ACTIVATION OF NEW MAIN.
- (W26) REMOVE FIRE HYDRANT & APPURTENANCES.

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PREPARED UNDER THE DIRECTION OF
STEVEN R. VAN SAUN, RCE 86180 DATE 09/27/2023

DESIGNED BY	DRAWN BY	REVIEWED BY
WJK/SF	WJK/SF	SRV

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URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT
SPECIFICATION NO. 23-07
CITY OF UKIAH CALIFORNIA

PLAN & PROFILE
STA. 42+25 TO STA. 46+00

PROJECT NUMBER 29-4799
DRAWING DATE SEPTEMBER 2023
SHEET NUMBER 108 OF 143

URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT

ORIGINAL PLOT DATE:
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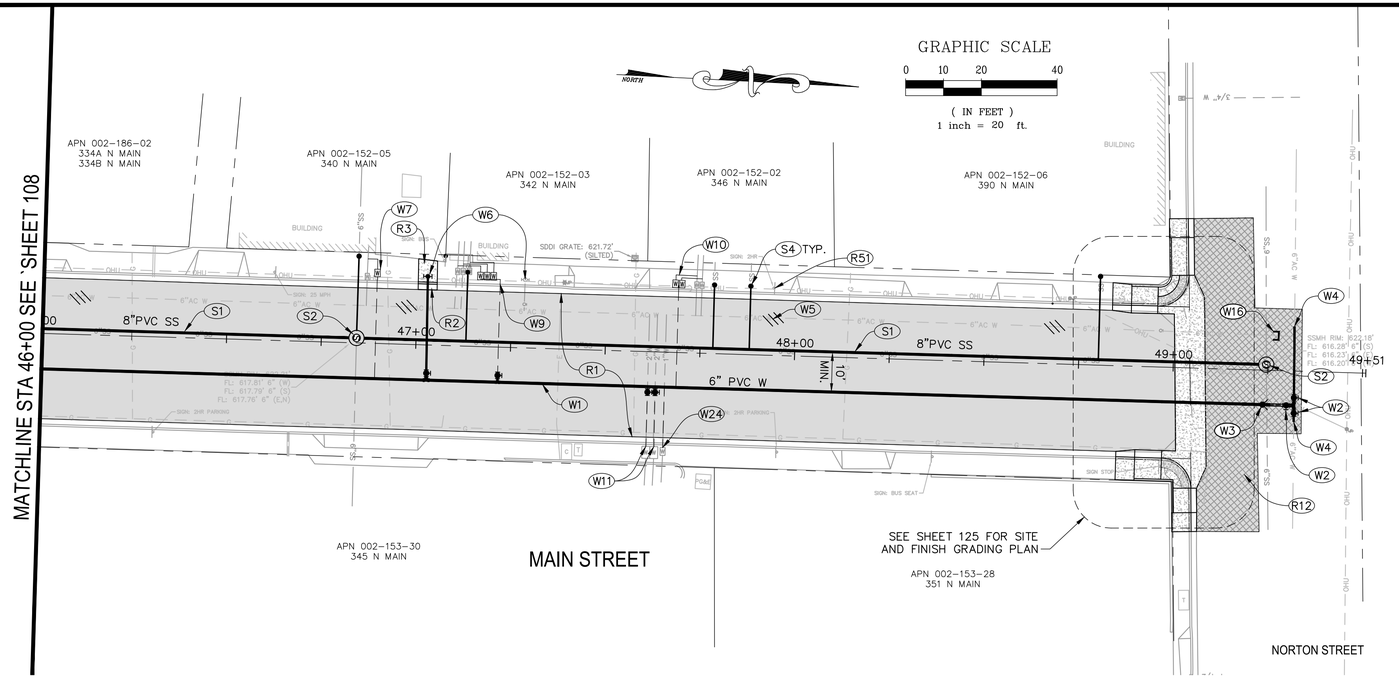

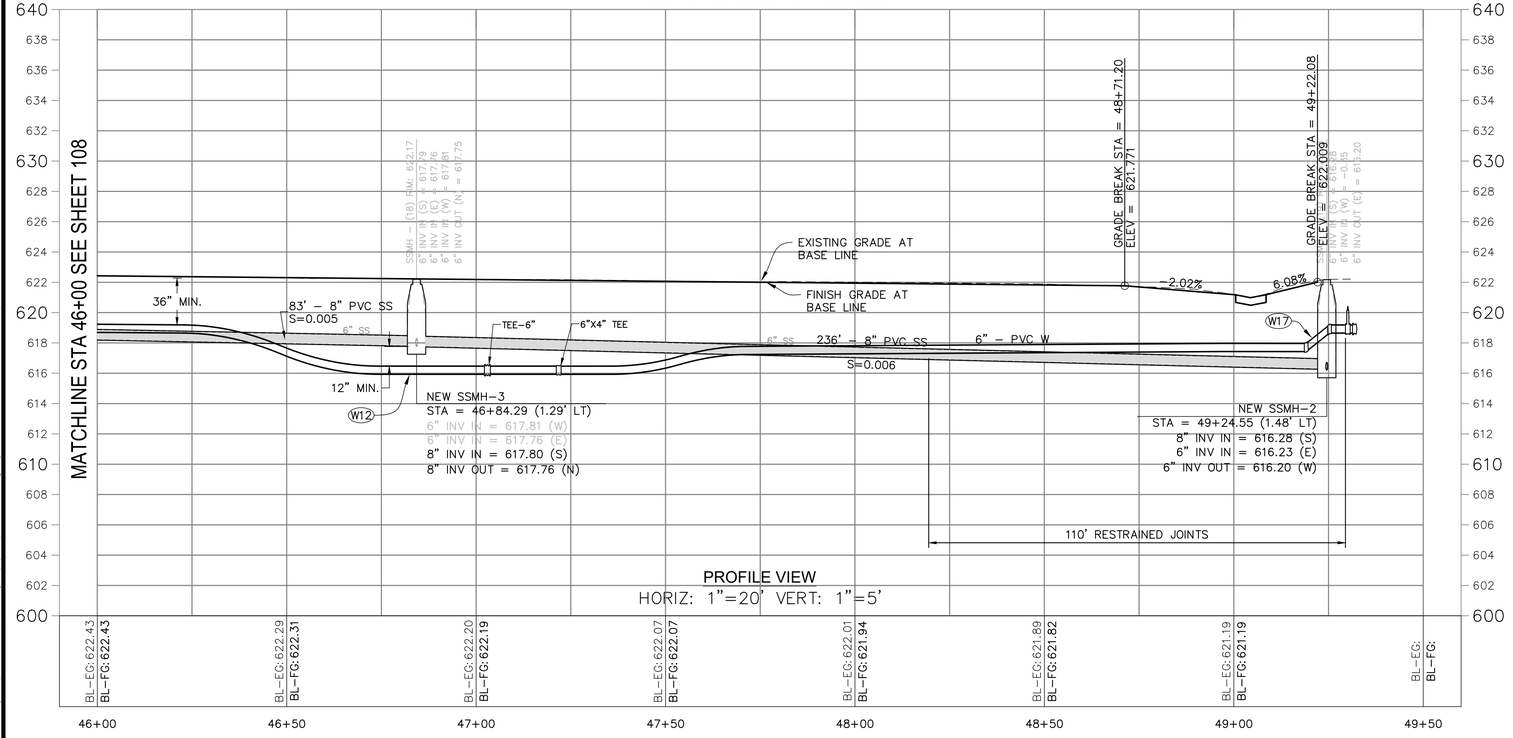

CONSTRUCTION NOTES:

- (R1) RECONSTRUCT ROADWAY PER TYPICAL SECTION — (5/142)
- (R2) REMOVE AND REPLACE CURB AND GUTTER PER CITY DWG 102.
- (R3) REMOVE AND REPLACE SIDEWALK PER CITY DWG 102.
- (R12) REMOVE EXISTING AC AND AGGREGATE BASE AND PLACE 6" FULL DEPTH AC
- (S1) REMOVE SANITARY SEWER MAIN AND INSTALL 8" PVC SANITARY SEWER MAIN PER CITY STANDARDS.
- (S2) REMOVE SANITARY SEWER MANHOLE AND INSTALL 48" SANITARY SEWER MANHOLE PER CITY DWG 201.
- (S4) REMOVE OR ABANDON EXISTING SANITARY SEWER LATERAL FROM SEWER MAIN TO BACK OF CURB OR SIDEWALK AS SHOWN ON THE PLANS AND INSTALL 4" SANITARY SEWER LATERAL PER CITY STD 210.
- (W1) INSTALL WATER MAIN, SIZE AS INDICATED
- (W2) INSTALL GATE VALVE PER CITY DWG 307
- (W3) INSTALL TEMPORARY BLOW OFF PER DETAIL — (7/141)
- (W4) TIE–IN TO EXISTING WATER MAIN. INSTALL FITTINGS AS REQUIRED UNDER CITY INSPECTION.
- (W5) REMOVE OR ABANDON EXISTING WATER MAIN
- (W6) REMOVE FIRE HYDRANT & APPURTENANCES. INSTALL NEW FIRE HYDRANT PER CITY DWG 305
- (W7) REMOVE EXISTING METER AND INSTALL 1" WATER SERVICE PLUMBED FOR 5/8"x3/4" METER PER CITY DWG 301. CONNECT TO EXISTING WATER SERVICE BEHIND SIDEWALK.
- (W9) INSTALL 4" MULTI–SERVICE MANIFOLD WITH (3) 3/4" METERS PER DETAIL — (3/142)
- (W10) REMOVE EXISTING METERS & INSTALL 1.5" DUAL WATER SERVICE PLUMBED FOR 5/8"x3/4" METERS SIMILAR TO CITY DWG 301 & DETAIL — (8/142)
- (W11) INSTALL 2" WATER SERVICE & 2" GATE VALVE SIMILAR TO CITY DWG 301. CONNECT TO CURB STOP AT EXISTING METER.
- (W12) ROPE PIPE UNDER STORM DRAIN OR SANITARY SEWER PER DETAIL — (2/142)
- (W16) PLUG AND ABANDON EXISTING WATER LINE.
- (W17) 6–INCH WATER MAIN LOWERING SIMILAR TO DETAIL — (1/142)
- (W24) INSTALL 1" WATER SERVICE SIMILAR TO CITY DWG 301. CONNECT TO CURB STOP AT EXISTING METER.

PREPARED UNDER THE DIRECTION OF
STEVEN R. VAN SAUN, RCE 86180 DATE 09/27/2023
DESIGNED BY WJK/SF
DRAWN BY WJK/SF
REVIEWED BY SRV

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URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT
SPECIFICATION NO. 23-07
CITY OF UKIAH CALIFORNIA

PLAN & PROFILE
STA. 46+00 TO STA. 49+50

PROJECT NUMBER 29-4799
DRAWING DATE SEPTEMBER 2023
SHEET NUMBER 109 OF 143

URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT

ORIGINAL PLOT DATE:
FOR REDUCED PLANS, THE 0 1 2 3 INCHES IN INCH SCALE IS IN ORIGINAL SCALE
Xrefs: CCE-ENGINEERS STAMPS-PLAN.dwg;294799-RAMP.dwg;294799-ROAD-HATCH.dwg;294799-TP1.dwg;294799-TP2.dwg;210758_IMPR.dwg;294799-TP.dwg
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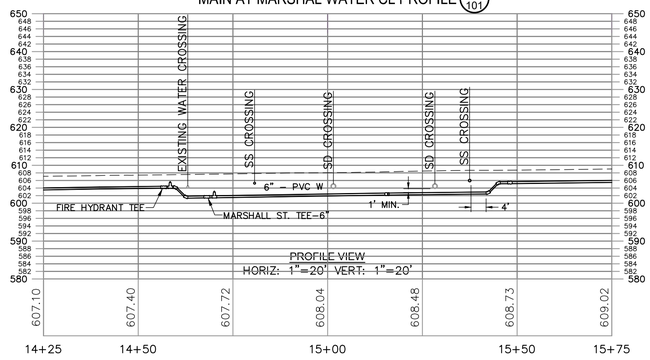
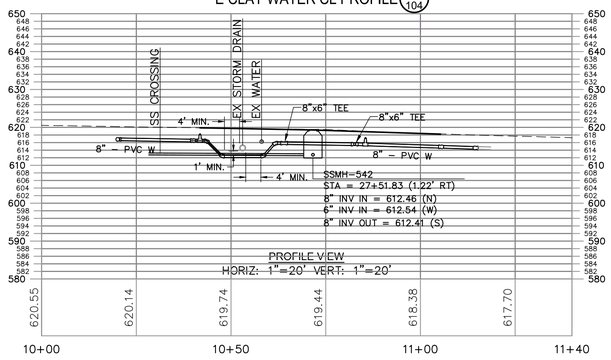
Paths: F:\Civil 3D Projects\294799 Main St Utility Imp\DWG\294799-SP.dwg Layout Name: SHT-109 Plot Date: Sep 27, 2023 at 09:38 am

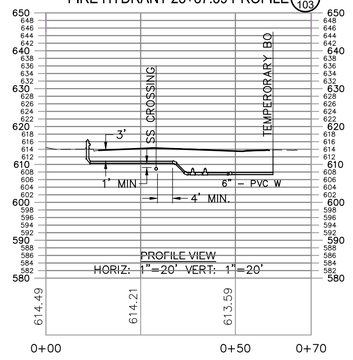
MAIN AT MARSHAL WATER CL PROFILE (1/101)



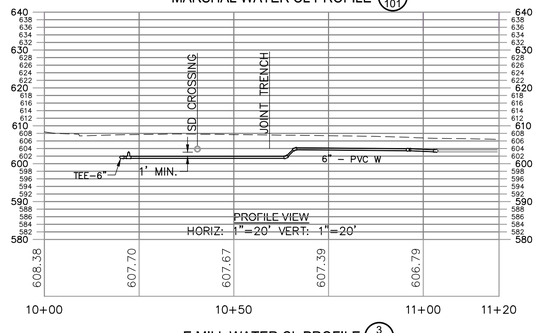
E CLAY WATER CL PROFILE (5/104)



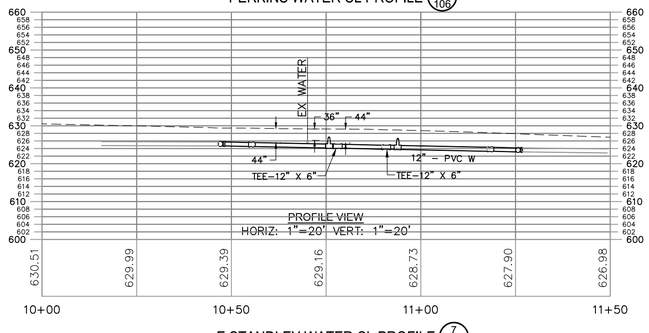
FIRE HYDRANT 23+87.39 PROFILE (9/103)



MARSHAL WATER CL PROFILE (2/101)

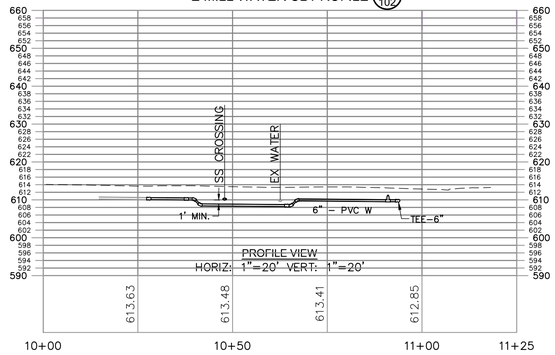


PERKINS WATER CL PROFILE (6/106)

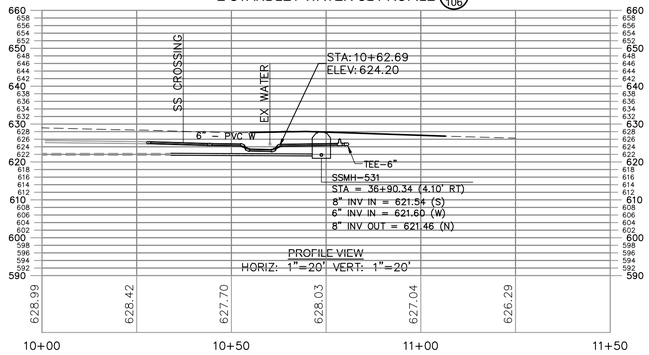


ALL JOINTS SHALL BE RESTRAINED FOR WATER MAIN IMPROVEMENTS SHOWN ON THIS SHEET.

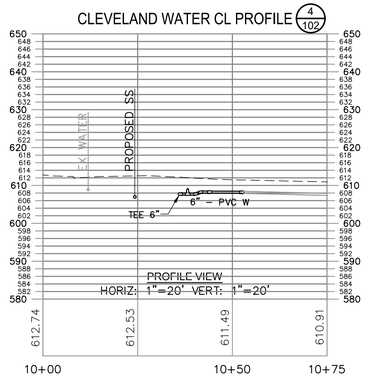
E MILL WATER CL PROFILE (3/102)



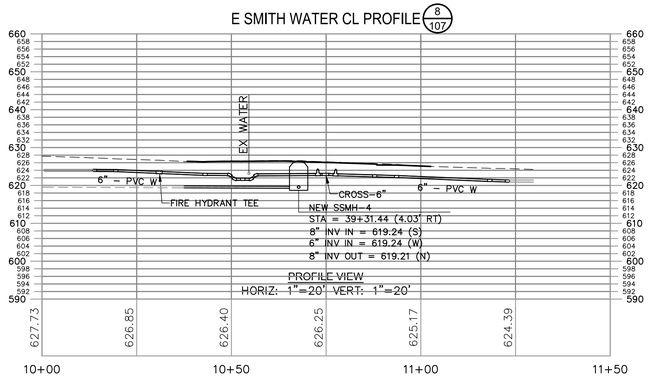
E STANDLEY WATER CL PROFILE (7/106)



CLEVELAND WATER CL PROFILE (4/102)



E SMITH WATER CL PROFILE (8/107)



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PREPARED UNDER THE DIRECTION OF
STEVEN R. VAN SAUN, RCE 86180 DATE 09/27/2023

DESIGNED BY WJK/SF | DRAWN BY WJK/SF | REVIEWED BY SRV

URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT
SPECIFICATION NO. 23-07
CITY OF UKIAH CALIFORNIA

SIDE STREET WATER MAIN PROFILES

PROJECT NUMBER 29-4799

DRAWING DATE SEPTEMBER 2023

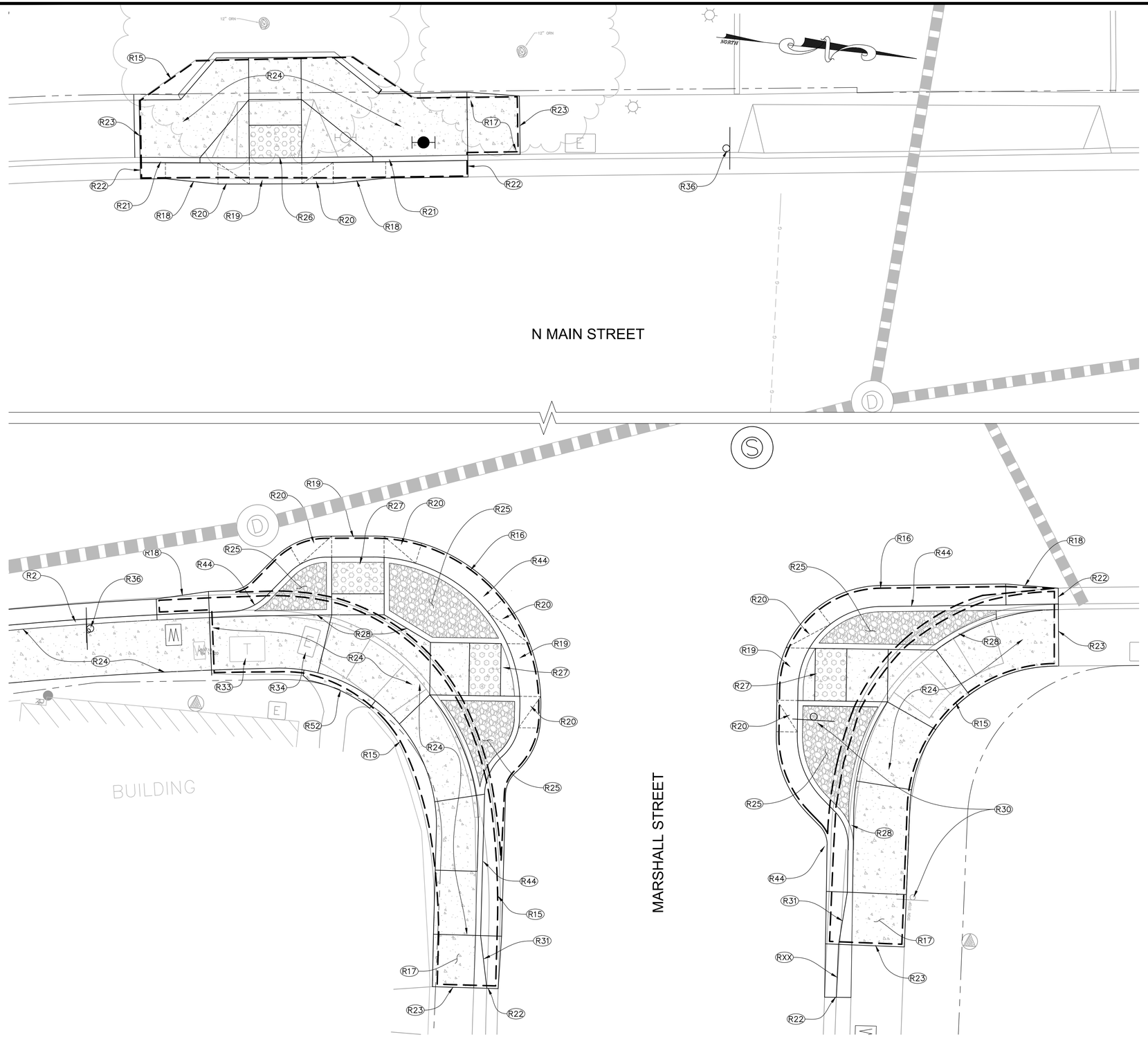
SHEET NUMBER 110 OF 143

URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT

ORIGINAL PLOT DATE:

FOR REDUCED PLANS, THE 0 1 2 3 IS IN INCHES
ORIGINAL SCALE IS IN INCHES

Xrefs: CCE-ENGINEERS STAMPS-PLAN.dwg;294799-RAMP.dwg;294799-ROAD-HATCH.dwg;294799-TP1.dwg;294799-TP2.dwg;210758_IMPR.dwg;294799-TP.dwg
Images: SVS Signature-blue.jpg;SVS Signature-blue.jpg;
Path: F:\Civil 3D Projects\294799 Main St Utility Imp\DWG\294799-SP.dwg Layout Name: WATER PROFILES Plot Date: Sep 27, 2023 at 09:39 am



SITE PLAN

GRAPHIC SCALE

0 2.5 5 10

(IN FEET)
1 inch = 5 ft.

CONSTRUCTION NOTES

- (R2) REMOVE AND REPLACE CURB AND GUTTER PER CITY DWG 102.
- (R15) REMOVE EXISTING CURB, GUTTER AND SIDEWALK.
- (R16) EXISTING ASPHALT AND AGGREGATE BASE TO BE REMOVED AS REQUIRED TO ACCOMODATE PROPOSED IMPROVEMENTS.
- (R17) INSTALL 5' LONG (OR NEAREST SCORE MARK) SIDEWALK TRANSITION.
- (R18) INSTALL GUTTER WIDTH TRANSITION.
- (R19) INSTALL 24" GUTTER PAN, SLOPE SHALL NOT BE STEEPER THAN 5%.
- (R20) INSTALL 3' MINIMUM GUTTER SLOPE TRANSITION.
- (R21) CONSTRUCT CURB AND GUTTER PER CITY DWG 102.
- (R22) CONFORM TO EXISTING CURB AND GUTTER.
- (R23) CONFORM TO EXISTING CONCRETE.
- (R24) CONSTRUCT CONCRETE SIDEWALK PER CITY DWG 102.
- (R25) INSTALL COBBLE NON-WALKABLE SURFACE PER DETAIL 1/141
- (R26) INSTALL MODIFIED TYPE A CURB RAMP PER CALTRANS STD PLAN RSP A88A AND PER FINISH GRADING PLAN.
- (R27) INSTALL MODIFIED TYPE F CURB RAMP PER CALTRANS STD PLAN RSP A88A AND PER FINISH GRADING PLAN.
- (R28) CONSTRUCT VERTICAL CURB AT SIDEWALK PER DETAIL 2/141
- (R30) RELOCATE EXISTING STREET SIGN SIMILAR TO CITY DWG 120.
- (R31) INSTALL 5' LONG CURB & GUTTER TO ROLLED CURB & GUTTER TRANSITION.
- (R33) ADJUST TELEPHONE VAULT TO FINISH GRADE.
- (R34) ADJUST ELECTRIC BOX TO FINISH GRADE.
- (R36) INSTALL NEW SIGN, SEE STRIPING PLAN.
- (R44) INSTALL CURB AND GUTTER SIMILAR TO CITY DWG 102 WITH 2' GUTTER PAN.
- (R52) CONFORM TO EXISTING CONCRETE PATH.

SEE STRIPING SHEETS FOR STRIPING.

PROFESSIONAL ENGINEER STEVEN R. VAN SAUN No. C 86180 CIVIL STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF
STEVEN R. VAN SAUN, RCE 86180 DATE 09/27/2023

DESIGNED BY	DRAWN BY	REVIEWED BY
WJK/SF	WJK/SF	SRV

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URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT
SPECIFICATION NO. 23-07
CITY OF UKIAH CALIFORNIA

CURB RAMP DETAILS
MARSHALL ST - SITE PLAN

PROJECT NUMBER
29-4799

DRAWING DATE
SEPTEMBER 2023

SHEET NUMBER
111 OF 143

URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT

ORIGINAL PLOT DATE:

FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES 0 1 2 3

Xrefs: CCE-ENGINEERS STAMPS-PLAN.dwg;294799-TP.dwg;294799-TP2.dwg;294799-Stripe.dwg;294799-RAMP-2_SRV.dwg;294799-SP.dwg
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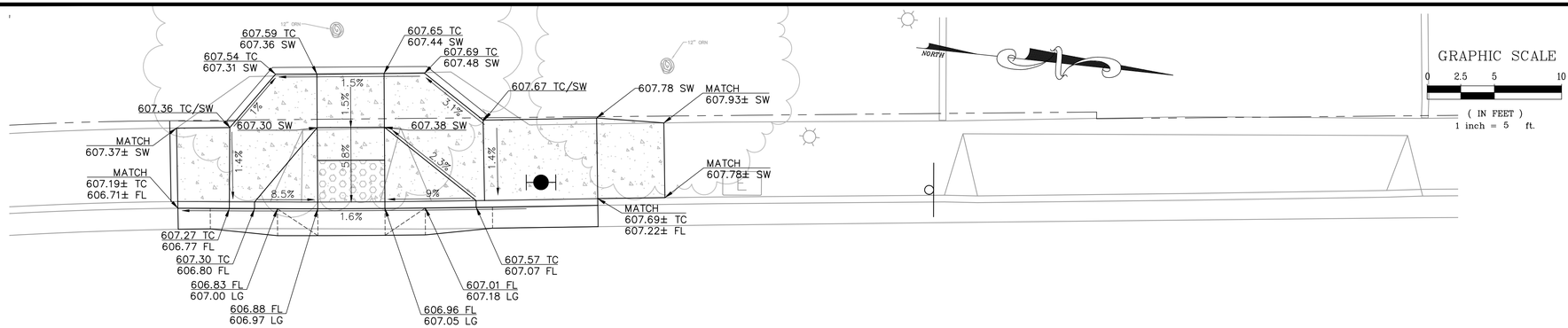
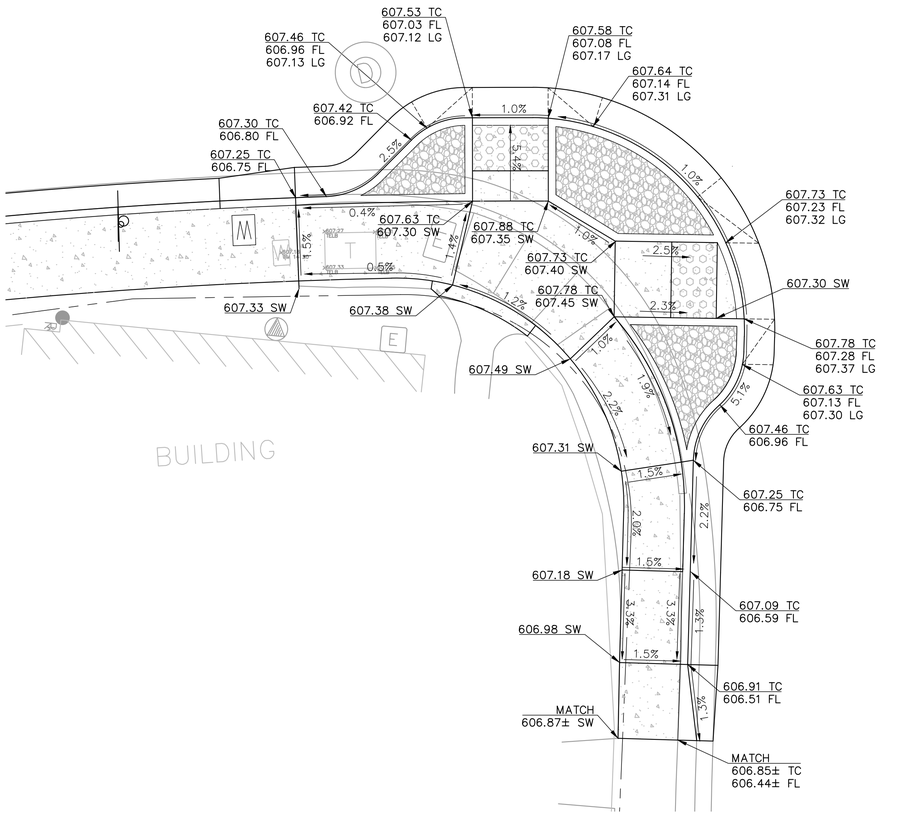


N MAIN STREET



MARSHALL STREET

GRADING PLAN

FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES
0 1 2 3

ORIGINAL PLOT DATE:

Xrefs: CCE-ENGINEERS STAMPS-PLAN.dwg;294799-TP.dwg;294799-TP2.dwg;294799-Stripe.dwg;294799-RAMP-2_SRV.dwg;294799-SP.dwg
Images: SVG Signature-blue.jpg;SVG Signature-blue.jpg;SVG Signature-blue.jpg;
Path: F:\Civil 3D Projects\294799 Main St Utility Imp\DWG\294799-RAMP.dwg Layout Name: SHT-112 Plot Date: Sep 27, 2023 at 09:40 am

PREPARED UNDER THE DIRECTION OF
STEVEN R. VAN SAUN, RCE 86180 DATE 09/27/2023
DESIGNED BY WJK/SF
DRAWN BY WJK/SF
REVIEWED BY SRV

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URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT
SPECIFICATION NO: 23-07
CITY OF UKIAH CALIFORNIA

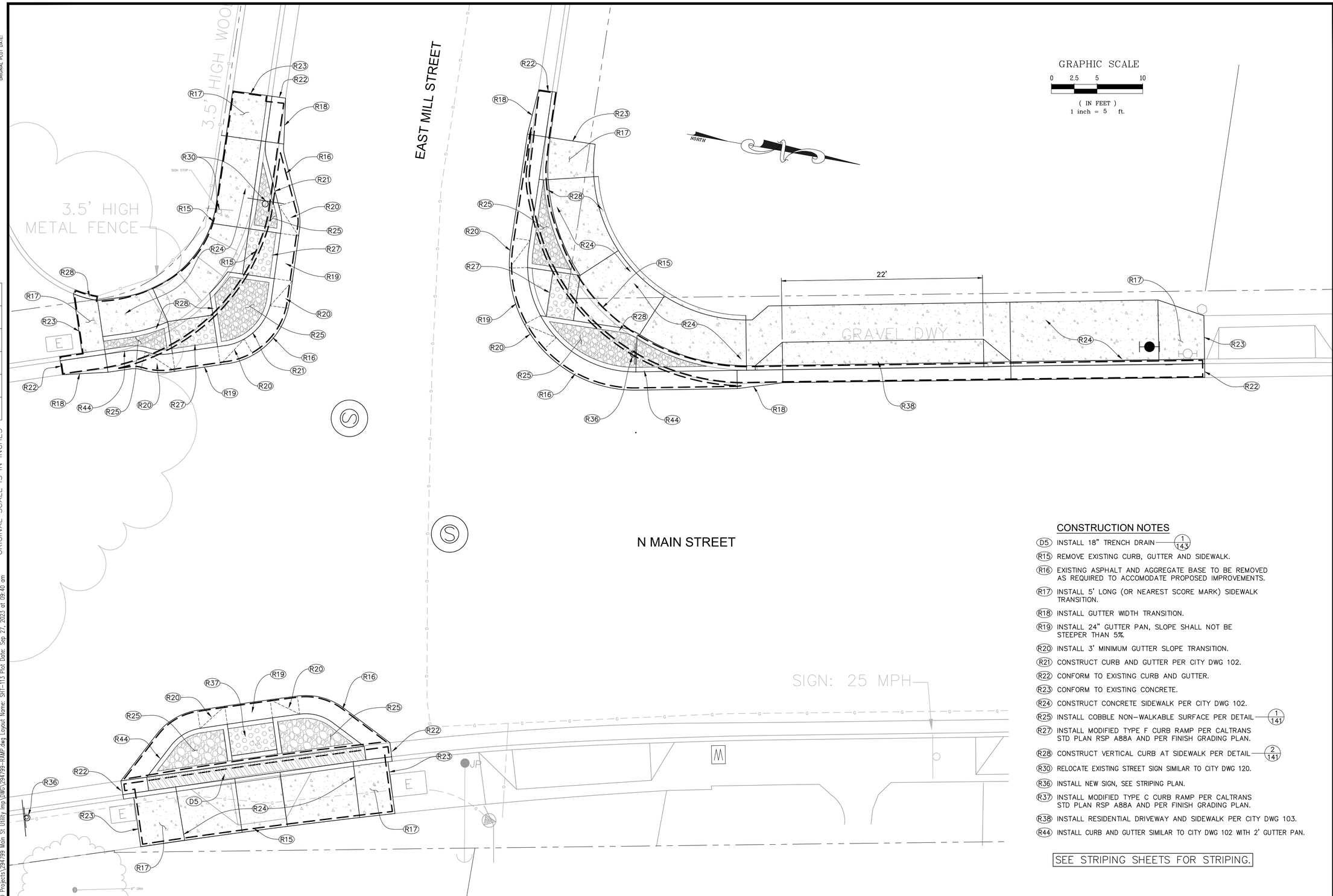
CURB RAMP DETAILS
MARSHALL ST - GRADING PLAN

PROJECT NUMBER
29-4799

DRAWING DATE
SEPTEMBER 2023

SHEET NUMBER
112 OF 143

URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT



CONSTRUCTION NOTES

- (D5) INSTALL 18" TRENCH DRAIN — (1/143)
- (R15) REMOVE EXISTING CURB, GUTTER AND SIDEWALK.
- (R16) EXISTING ASPHALT AND AGGREGATE BASE TO BE REMOVED AS REQUIRED TO ACCOMODATE PROPOSED IMPROVEMENTS.
- (R17) INSTALL 5' LONG (OR NEAREST SCORE MARK) SIDEWALK TRANSITION.
- (R18) INSTALL GUTTER WIDTH TRANSITION.
- (R19) INSTALL 24" GUTTER PAN, SLOPE SHALL NOT BE STEEPER THAN 5%.
- (R20) INSTALL 3' MINIMUM GUTTER SLOPE TRANSITION.
- (R21) CONSTRUCT CURB AND GUTTER PER CITY DWG 102.
- (R22) CONFORM TO EXISTING CURB AND GUTTER.
- (R23) CONFORM TO EXISTING CONCRETE.
- (R24) CONSTRUCT CONCRETE SIDEWALK PER CITY DWG 102.
- (R25) INSTALL COBBLE NON-WALKABLE SURFACE PER DETAIL — (1/141)
- (R27) INSTALL MODIFIED TYPE F CURB RAMP PER CALTRANS STD PLAN RSP A88A AND PER FINISH GRADING PLAN.
- (R28) CONSTRUCT VERTICAL CURB AT SIDEWALK PER DETAIL — (2/141)
- (R30) RELOCATE EXISTING STREET SIGN SIMILAR TO CITY DWG 120.
- (R36) INSTALL NEW SIGN, SEE STRIPING PLAN.
- (R37) INSTALL MODIFIED TYPE C CURB RAMP PER CALTRANS STD PLAN RSP A88A AND PER FINISH GRADING PLAN.
- (R38) INSTALL RESIDENTIAL DRIVEWAY AND SIDEWALK PER CITY DWG 103.
- (R44) INSTALL CURB AND GUTTER SIMILAR TO CITY DWG 102 WITH 2' GUTTER PAN.

SEE STRIPING SHEETS FOR STRIPING.

SITE PLAN

ORIGINAL PLOT DATE:

FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES 0 1 2 3

Xrefs: CCE-ENGINEERS STAMPS-PLAN.dwg;294799-TP.dwg;294799-TP2.dwg;294799-Stripe.dwg;294799-RAMP-2_SRV.dwg;294799-SP.dwg
Images: SVS Signature-blue.jpg;SVS Signature-blue.jpg;SVS Signature-blue.jpg;
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STEVEN R. VAN SAUN No. C 86180 CIVIL REGISTERED PROFESSIONAL ENGINEER STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF
STEVEN R. VAN SAUN, RCE 86180 DATE 09/27/2023

DESIGNED BY	DRAWN BY	REVIEWED BY
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URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT
SPECIFICATION NO. 23-07
CITY OF UKIAH CALIFORNIA

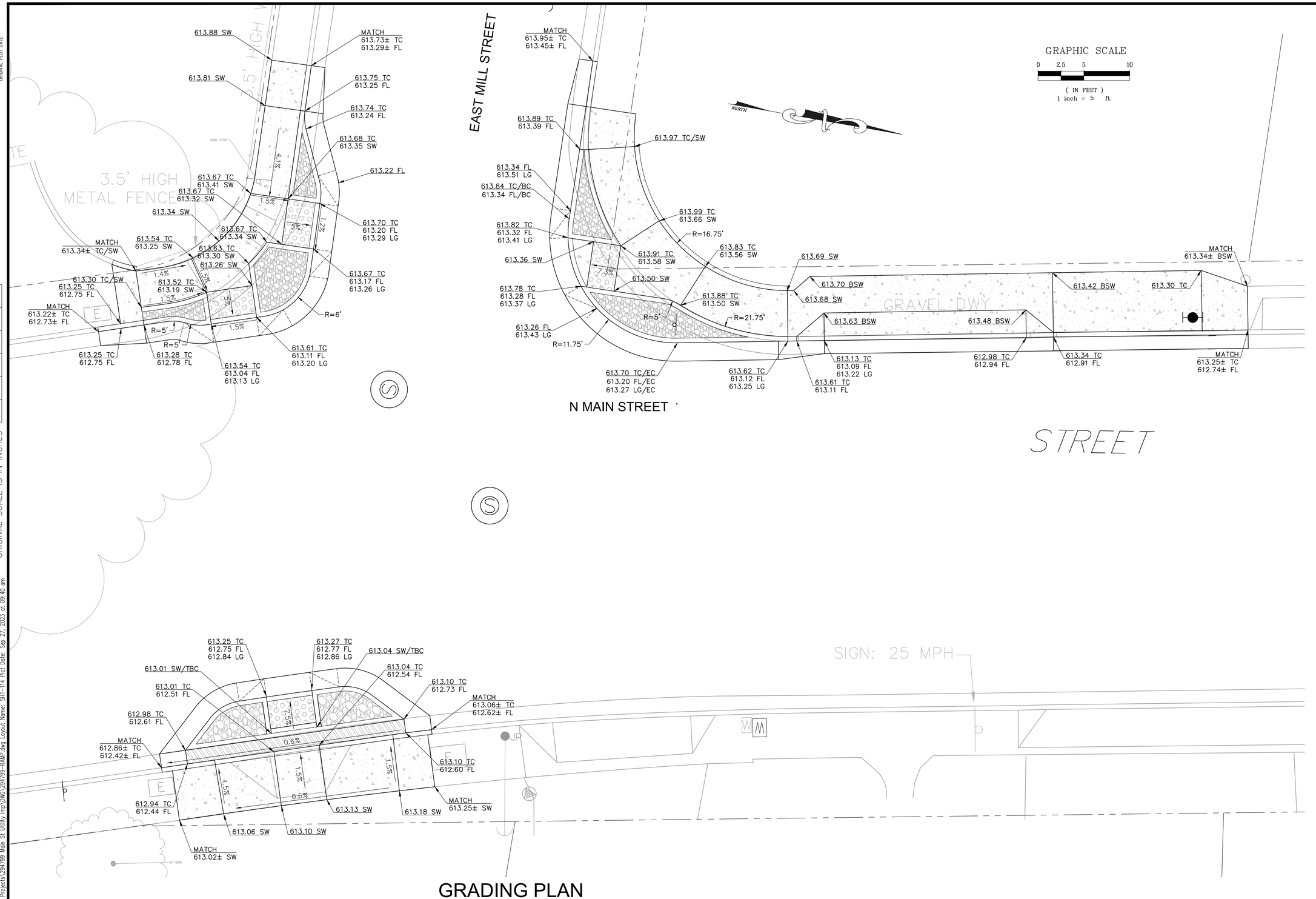
CURB RAMP DETAILS
E MILL ST - SITE PLAN

PROJECT NUMBER
29-4799

DRAWING DATE
SEPTEMBER 2023

SHEET NUMBER
113 OF 143

URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT



PREPARED UNDER THE DIRECTION OF
STEVEN R. VAN SAUN, RCE 86180 DATE 09/27/2023

DESIGNED BY	DRAWN BY	REVIEWED BY
WJK/SF	WJK/SF	SRV

REGISTERED PROFESSIONAL ENGINEER STEVEN R. VAN SAUN No. C 86180 CIVIL STATE OF CALIFORNIA

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URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT
SPECIFICATION NO. 23-07
CITY OF UKIAH CALIFORNIA

CURB RAMP DETAILS
E MILL ST - GRADING PLAN

PROJECT NUMBER 29-4799
DRAWING DATE SEPTEMBER 2023
SHEET NUMBER 114 OF 143

URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT

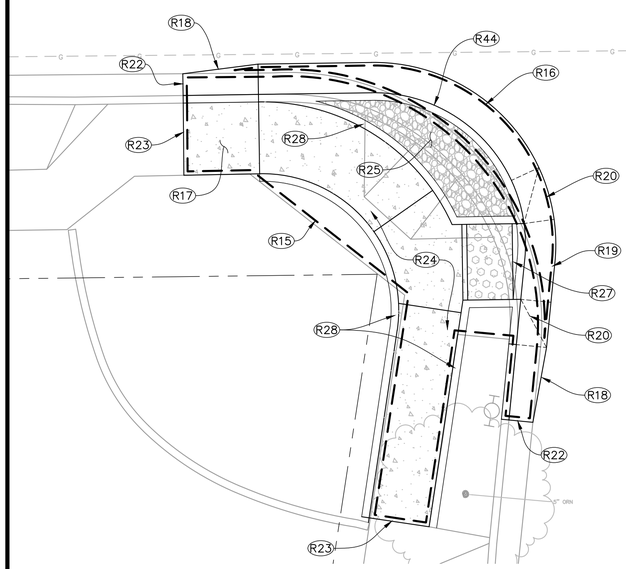
ORIGINAL PLOT DATE:

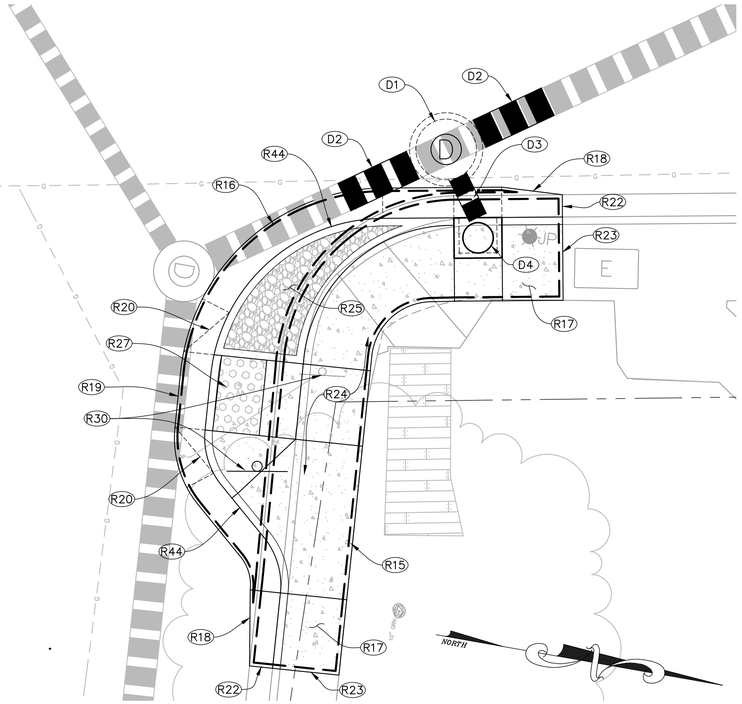
FOR REDUCED PLANS, THE 0 1 2 3
ORIGINAL SCALE IS IN INCHES

Xrefs: CCE-ENGINEERS STAMPS-PLAN.dwg;294799-TP.dwg;294799-TP2.dwg;294799-Stripe.dwg;294799-RAMP-2_SRV.dwg;294799-SP.dwg
Images: SVS Signature-blue.jpg;SVS Signature-blue.jpg;SVS Signature-blue.jpg;
Path: F:\Civil 3D Projects\294799 Main St Utility Imp\DWG\294799-RAMP.dwg Layout Name: Sht-114 Plot Date: Sep 27, 2023 at 09:40 am

ORIGINAL PLOT DATE:

FOR REDUCED PLANS, THE 0 1 2 3
ORIGINAL SCALE IS IN INCHES





SITE PLAN

GRAPHIC SCALE

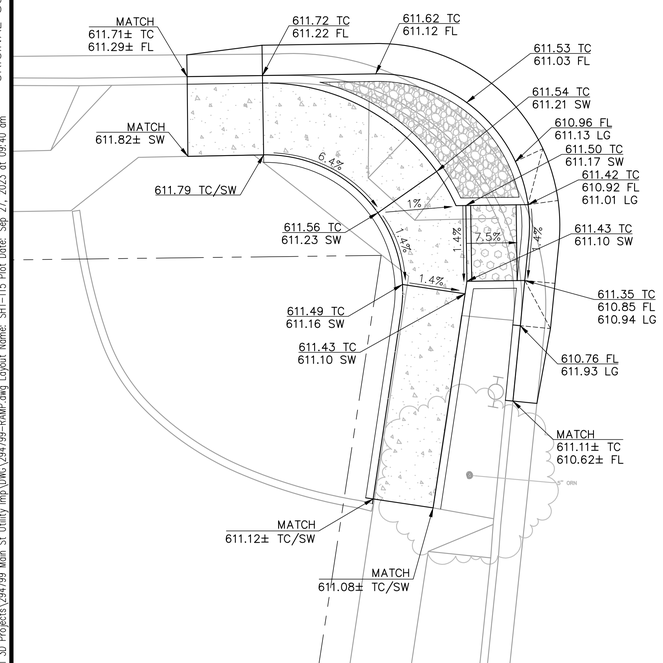
0 2.5 5 10

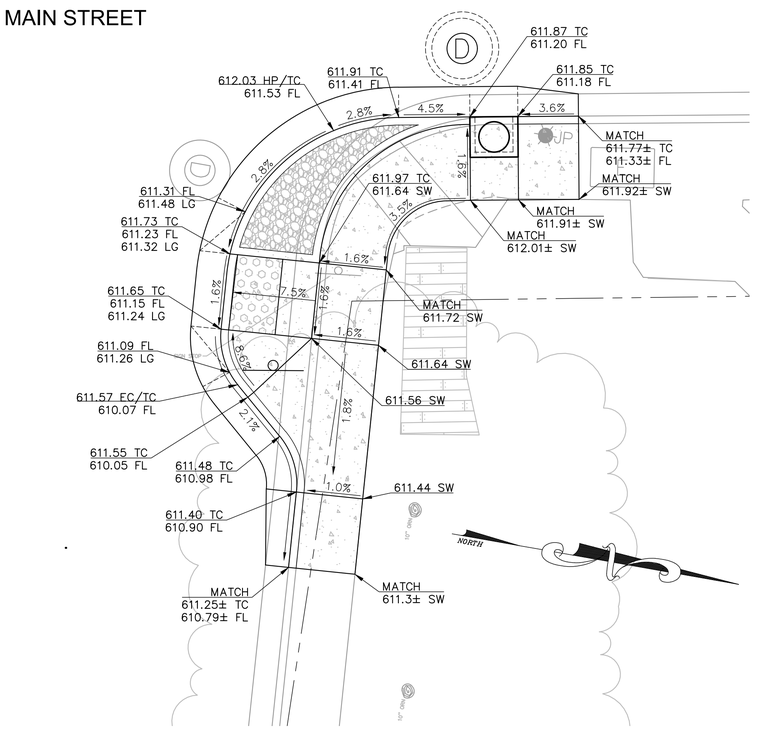
(IN FEET)
1 inch = 5 ft.

CONSTRUCTION NOTES

- (D1) INSTALL 48" STORM DRAIN MANHOLE.
- (D2) INSTALL 24" STORM DRAIN PER CITY DWG 420. CONNECT TO EXISTING 24" CMP WITH CONCRETE COLLAR PER DETAIL — (6/141)
- (D3) INSTALL 15" STORM DRAIN PER CITY DWG 420.
- (D4) INSTALL 2-1/2A CURB INLET PER CITY DWG 403, 404 & 408.
- (R15) REMOVE EXISTING CURB, GUTTER AND SIDEWALK.
- (R16) EXISTING ASPHALT AND AGGREGATE BASE TO BE REMOVED AS REQUIRED TO ACCOMODATE PROPOSED IMPROVEMENTS.
- (R17) INSTALL 5' LONG (OR NEAREST SCORE MARK) SIDEWALK TRANSITION.
- (R18) INSTALL GUTTER WIDTH TRANSITION.
- (R19) INSTALL 24" GUTTER PAN, SLOPE SHALL NOT BE STEEPER THAN 5%.
- (R20) INSTALL 3' MINIMUM GUTTER SLOPE TRANSITION.
- (R21) CONSTRUCT CURB AND GUTTER PER CITY DWG 102.
- (R22) CONFORM TO EXISTING CURB AND GUTTER.
- (R23) CONFORM TO EXISTING CONCRETE.
- (R24) CONSTRUCT CONCRETE SIDEWALK PER CITY DWG 102.
- (R25) INSTALL COBBLE NON-WALKABLE SURFACE PER DETAIL — (1/141)
- (R27) INSTALL MODIFIED TYPE F CURB RAMP PER CALTRANS STD PLAN RSP A88A AND PER FINISH GRADING PLAN.
- (R28) CONSTRUCT VERTICAL CURB AT SIDEWALK PER DETAIL — (2/141)
- (R30) RELOCATE EXISTING STREET SIGN SIMILAR TO CITY DWG 120.
- (R44) INSTALL CURB AND GUTTER SIMILAR TO CITY DWG 102 WITH 2' GUTTER PAN.

SEE STRIPING SHEETS FOR STRIPING.





GRADING PLAN

PREPARED UNDER THE DIRECTION OF
STEVEN R. VAN SAUN, RCE 86180 DATE 09/27/2023

DESIGNED BY WJK/SF | DRAWN BY WJK/SF | REVIEWED BY SRV

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URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT
SPECIFICATION NO. 23-07
CITY OF UKIAH CALIFORNIA

CURB RAMP DETAILS
E CLEVELAND ST - SITE & GRADING PLAN

PROJECT NUMBER
29-4799

DRAWING DATE
SEPTEMBER 2023

SHEET NUMBER
115 OF 143

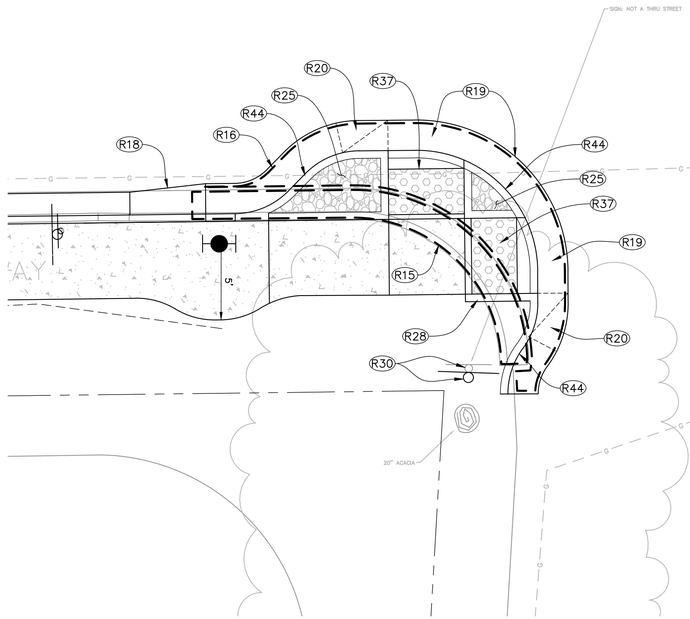
URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT

Xrefs: CCE-ENGINEERS STAMPS-PLAN.dwg;294799-TP.dwg;294799-TP2.dwg;294799-Stripe.dwg;294799-RAMP-2_SRV.dwg;294799-SP.dwg
Images: SVS Signature-blue.jpg;SVS Signature-blue.jpg;SVS Signature-blue.jpg;
Path: F:\Civil 3D Projects\294799 Main St Utility Imp\DWG\294799-RAMP.dwg Layout Name: StT-115 Plot Date: Sep 27, 2023 at 09:40 am

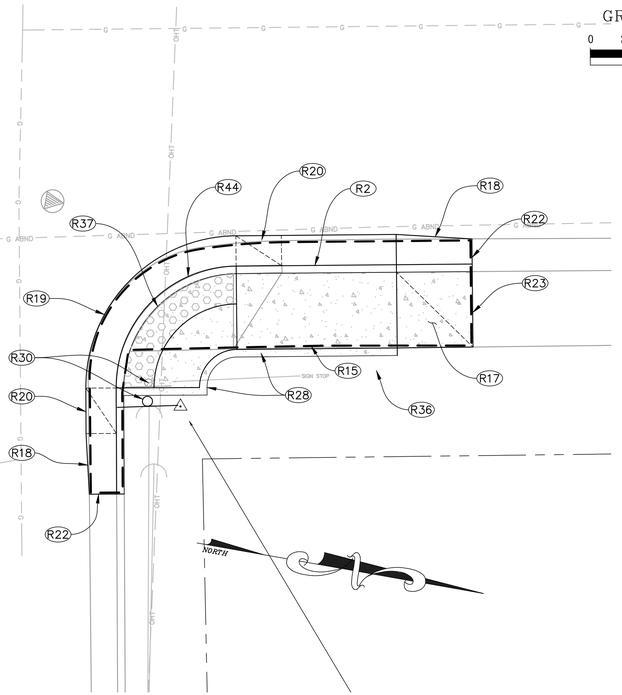
ORIGINAL PLOT DATE:

FOR REDUCED PLANS, THE 0 1 2 3
ORIGINAL SCALE IS IN INCHES

N MAIN STREET



EAST CLAY STREET



GRAPHIC SCALE
0 2.5 5 10
(IN FEET)
1 inch = 5 ft.

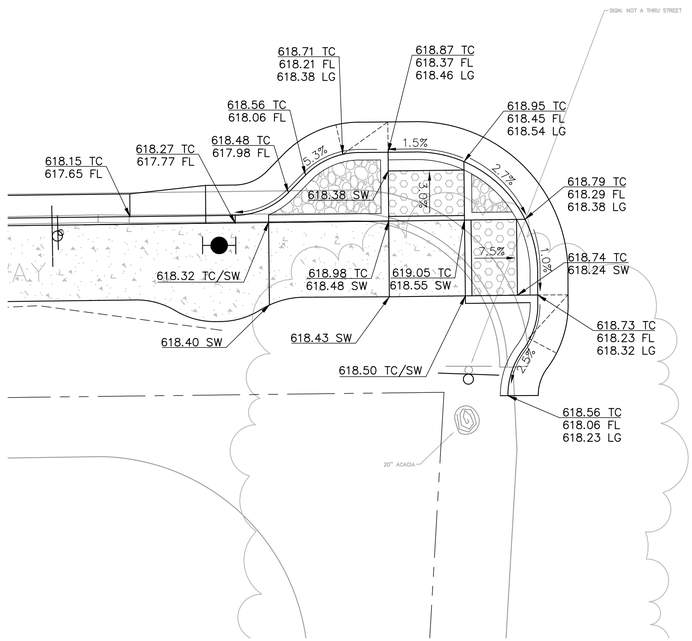
CONSTRUCTION NOTES

- (R2) REMOVE AND REPLACE CURB AND GUTTER PER CITY DWG 102.
- (R15) REMOVE EXISTING CURB, GUTTER AND SIDEWALK.
- (R16) EXISTING ASPHALT AND AGGREGATE BASE TO BE REMOVED AS REQUIRED TO ACCOMODATE PROPOSED IMPROVEMENTS.
- (R17) INSTALL 5' LONG (OR NEAREST SCORE MARK) SIDEWALK TRANSITION.
- (R18) INSTALL GUTTER WIDTH TRANSITION.
- (R19) INSTALL 24" GUTTER PAN, SLOPE SHALL NOT BE STEEPER THAN 5%.
- (R20) INSTALL 3' MINIMUM GUTTER SLOPE TRANSITION.
- (R21) CONSTRUCT CURB AND GUTTER PER CITY DWG 102.
- (R22) CONFORM TO EXISTING CURB AND GUTTER.
- (R23) CONFORM TO EXISTING CONCRETE.
- (R24) CONSTRUCT CONCRETE SIDEWALK PER CITY DWG 102.
- (R25) INSTALL COBBLE NON-WALKABLE SURFACE PER DETAIL 1/141
- (R28) CONSTRUCT VERTICAL CURB AT SIDEWALK PER DETAIL 2/141
- (R30) RELOCATE EXISTING STREET SIGN SIMILAR TO CITY DWG 120.
- (R36) INSTALL NEW SIGN, SEE STRIPING PLAN.
- (R37) INSTALL MODIFIED TYPE C CURB RAMP PER CALTRANS STD PLAN RSP A88A AND PER FINISH GRADING PLAN.
- (R44) INSTALL CURB AND GUTTER SIMILAR TO CITY DWG 102 WITH 2' GUTTER PAN.

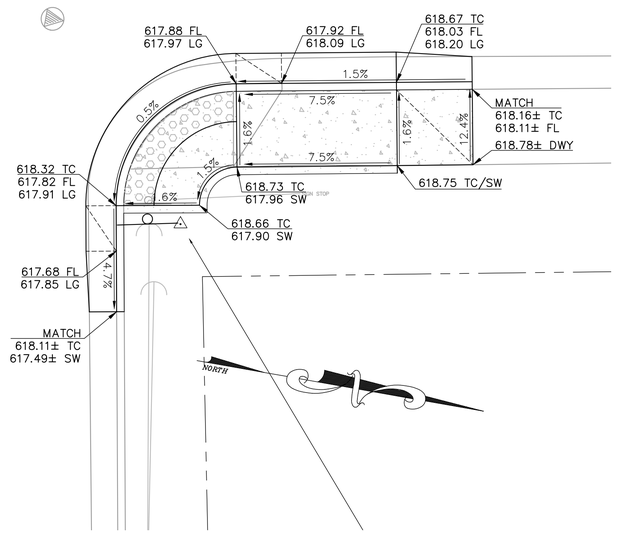
SEE STRIPING SHEETS FOR STRIPING.

SITE PLAN

N MAIN STREET



EAST CLAY STREET



GRADING PLAN

Xrefs: CCE-ENGINEERS STAMPS-PLAN.dwg;294799-TP.dwg;294799-TP2.dwg;294799-Stripe.dwg;294799-RAMP-2_SRV.dwg;294799-SP.dwg
Images: SVS Signature-blue.jpg;SVS Signature-blue.jpg;SVS Signature-blue.jpg;
Path: F:\Civil 3D Projects\294799 Main St Utility Imp\DWG\294799-RAMP.dwg Layout Name: SHT-116 Plot Date: Sep 27, 2023 at 09:41 am

REGISTERED PROFESSIONAL ENGINEER
STEVEN R. VAN SAUN
No. C 86180
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF
STEVEN R. VAN SAUN, RCE 86180 DATE 09/27/2023

DESIGNED BY	DRAWN BY	REVIEWED BY
WJK/SF	WJK/SF	SRV

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Santa Rosa, CA 95405
707.571.8005 | coastlandcivil.com

URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT
SPECIFICATION NO. 23-07
CITY OF UKIAH CALIFORNIA

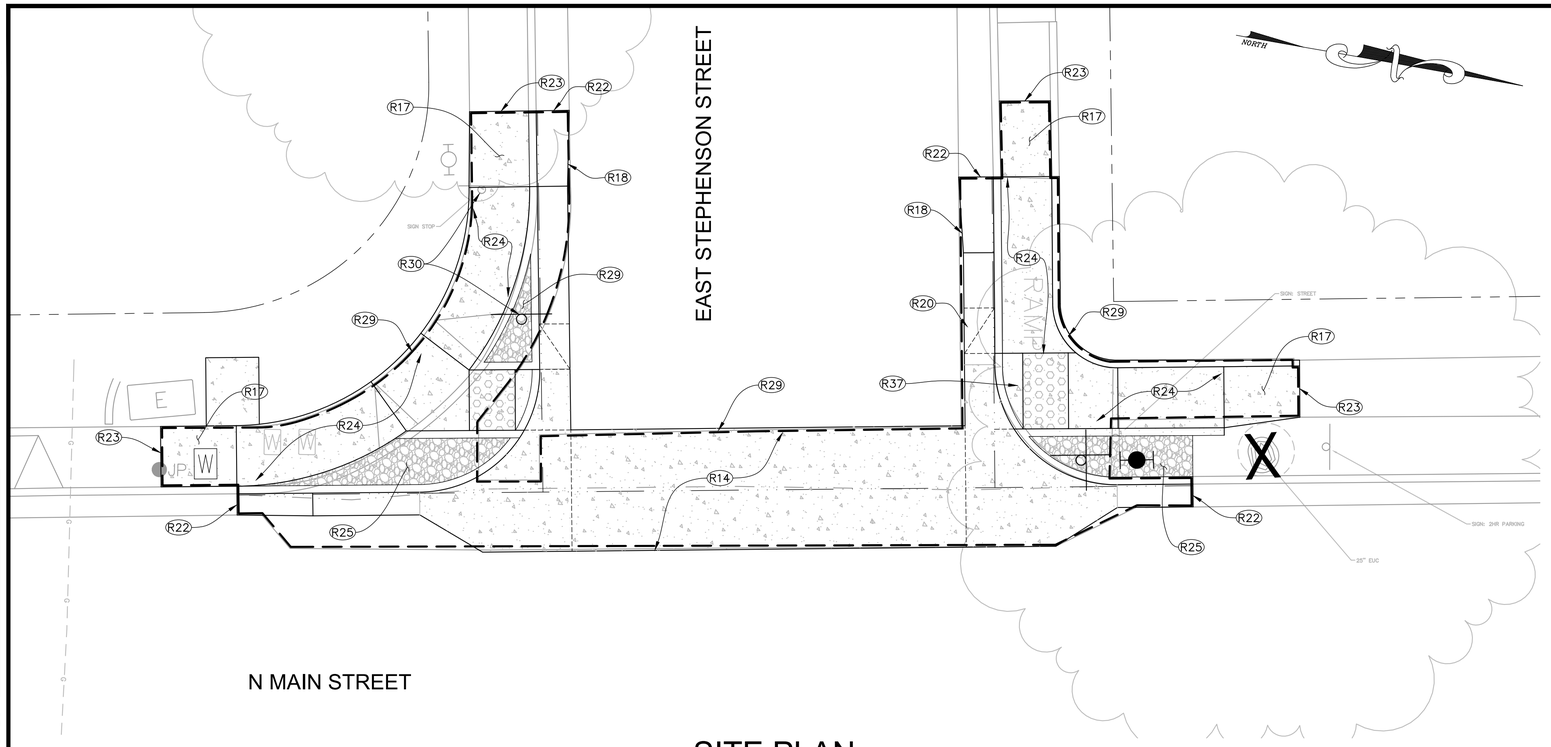
CURB RAMP DETAILS
E CLAY ST - SITE & GRADING PLAN

PROJECT NUMBER
29-4799

DRAWING DATE
SEPTEMBER 2023

SHEET NUMBER
116 OF 143

URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT



GRAPHIC SCALE

0 2.5 5 10

(IN FEET)
1 inch = 5 ft.

SITE PLAN

CONSTRUCTION NOTES

- (R2) REMOVE AND REPLACE CURB AND GUTTER PER CITY DWG 102.
- (R14) CONSTRUCT VALLEY GUTTER SIMILAR TO CITY DWG 104.
- (R17) INSTALL 5' LONG (OR NEAREST SCORE MARK) SIDEWALK TRANSITION.
- (R18) INSTALL GUTTER WIDTH TRANSITION.
- (R19) INSTALL 24" GUTTER PAN, SLOPE SHALL NOT BE STEEPER THAN 5%.
- (R20) INSTALL 3' MINIMUM GUTTER SLOPE TRANSITION.
- (R21) CONSTRUCT CURB AND GUTTER PER CITY DWG 102.
- (R22) CONFORM TO EXISTING CURB AND GUTTER.
- (R23) CONFORM TO EXISTING CONCRETE.
- (R24) CONSTRUCT CONCRETE SIDEWALK PER CITY DWG 102.
- (R25) INSTALL COBBLE NON-WALKABLE SURFACE PER DETAIL 1/141
- (R28) CONSTRUCT VERTICAL CURB AT SIDEWALK PER DETAIL 2/141
- (R29) REMOVE EXISTING VALLEY GUTTER, CURB, GUTTER AND SIDEWALK.
- (R30) RELOCATE EXISTING STREET SIGN SIMILAR TO CITY DWG 120.
- (R36) INSTALL NEW SIGN, SEE STRIPING PLAN.
- (R37) INSTALL MODIFIED TYPE C CURB RAMP PER CALTRANS STD PLAN RSP A88A AND PER FINISH GRADING PLAN.

SEE STRIPING SHEETS FOR STRIPING.

ORIGINAL PLOT DATE:

FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES 0 1 2 3

Xrefs: CCE-ENGINEERS STAMPS-PLAN.dwg;294799-TP.dwg;294799-TPZ.dwg;294799-Stripe.dwg;294799-RAMP-2_SRV.dwg;294799-SP.dwg
Images: SVS Signature-blue.jpg;SVS Signature-blue.jpg;SVS Signature-blue.jpg;
Path: F:\Civil 3D Projects\294799 Main St Utility Imp\DWG\294799-RAMP.dwg Layout Name: SHT-117 Plot Date: Sep 27, 2023 at 09:41 am

STEVEN R. VAN SAUN
No. C 86180
REGISTERED PROFESSIONAL ENGINEER
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF
STEVEN R. VAN SAUN, RCE 86180 DATE 09/27/2023

DESIGNED BY WJK/SF | DRAWN BY WJK/SF | REVIEWED BY SRV

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Santa Rosa, CA 95405
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URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT
SPECIFICATION NO. 23-07
CITY OF UKIAH CALIFORNIA

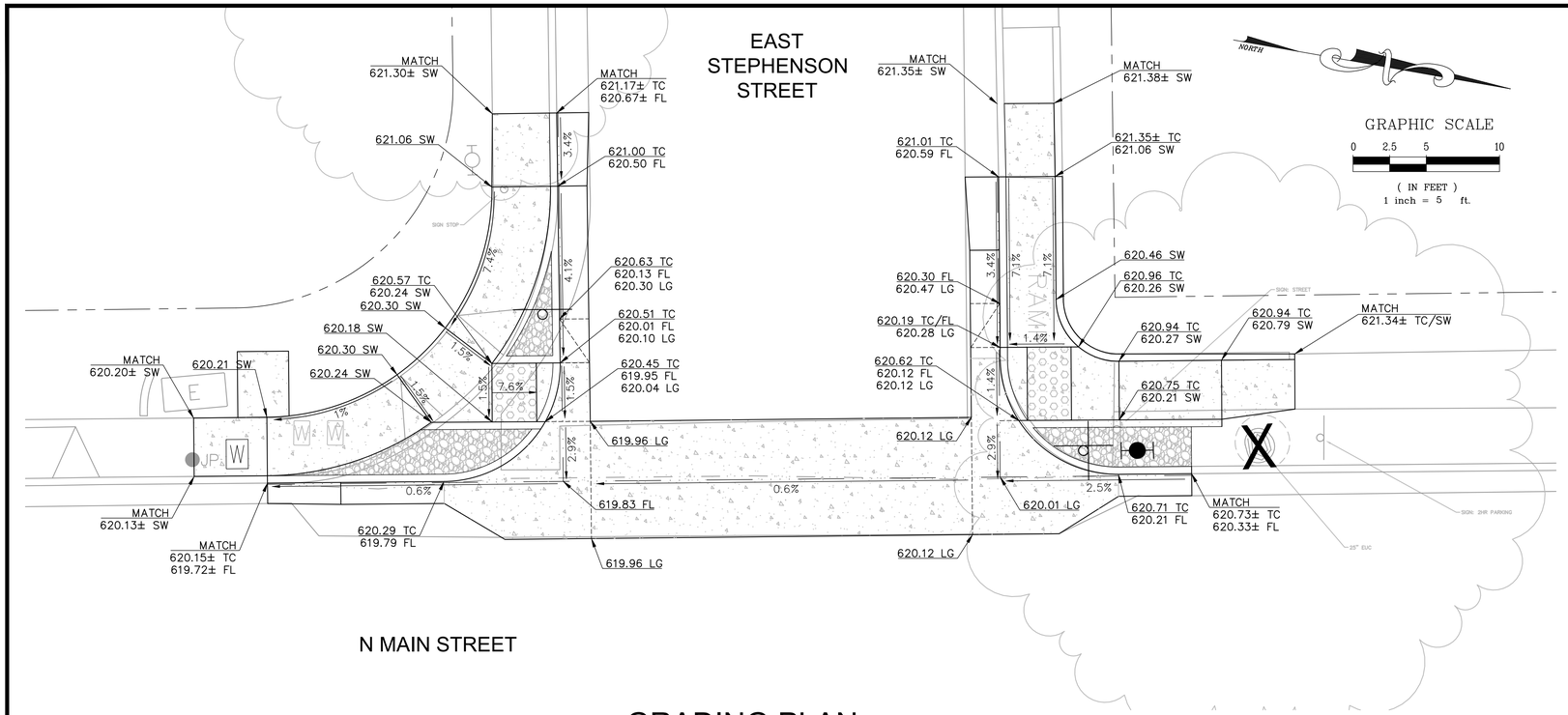
CURB RAMP DETAILS
E STEPHENSON ST - SITE PLAN

PROJECT NUMBER
29-4799

DRAWING DATE
SEPTEMBER 2023

SHEET NUMBER
117 OF 143

URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT



GRADING PLAN

ORIGINAL PLOT DATE:

FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES

0 1 2 3

Xrefs: CCE-ENGINEERS STAMPS-PLAN.dwg;294799-TP.dwg;294799-TP2.dwg;294799-Stripe.dwg;294799-RAMP-2_SRV.dwg;294799-SP.dwg
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PREPARED UNDER THE DIRECTION OF
STEVEN R. VAN SAUN, RCE 86180 DATE 09/27/2023
DESIGNED BY WJK/SF
DRAWN BY WJK/SF
REVIEWED BY SRV

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URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT
SPECIFICATION NO. 23-07
CITY OF UKIAH CALIFORNIA

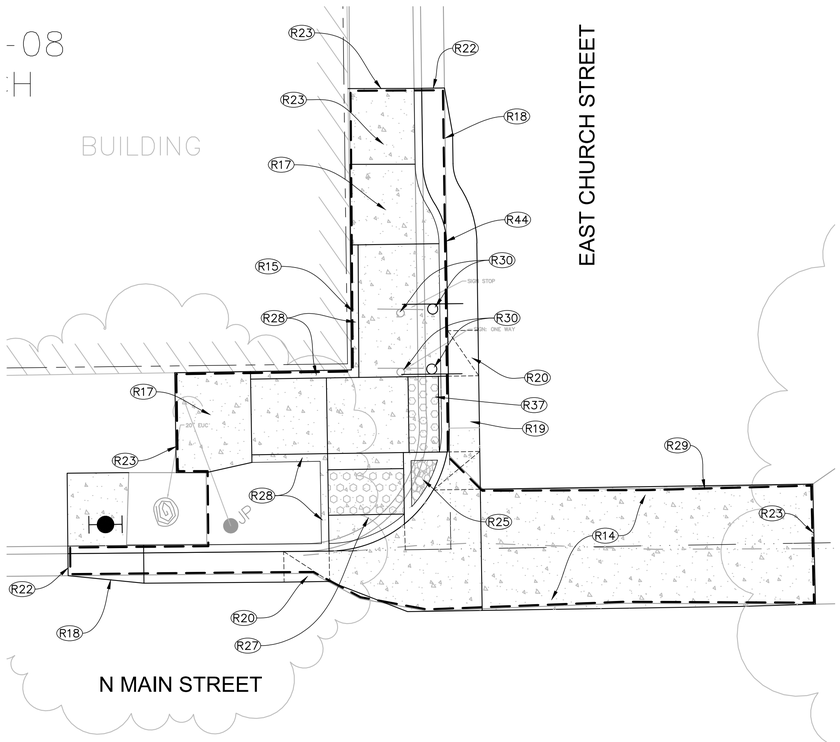
CURB RAMP DETAILS
E STEPHENSON ST - GRADING PLAN

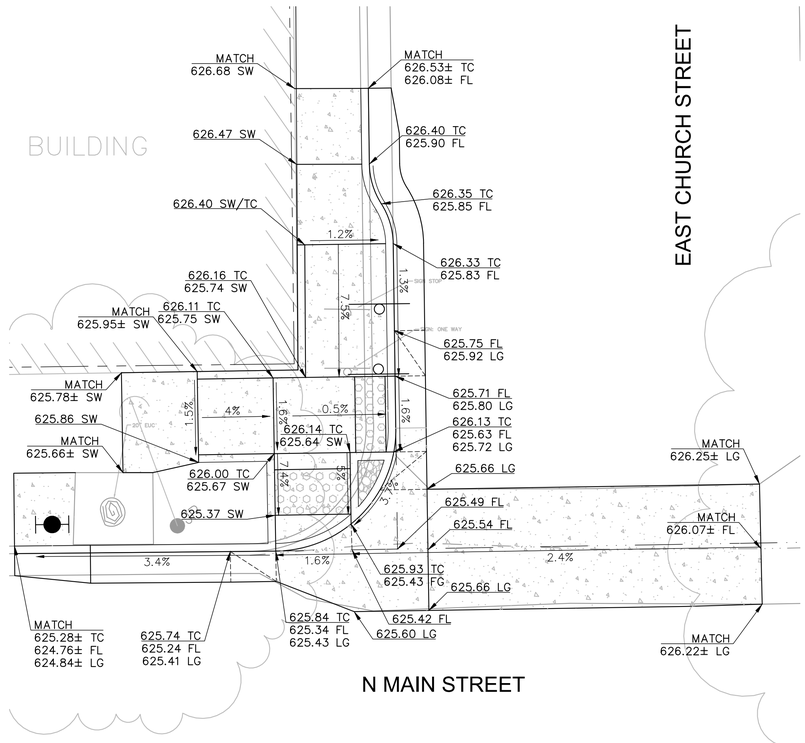
PROJECT NUMBER
29-4799

DRAWING DATE
SEPTEMBER 2023

SHEET NUMBER
118 OF 143

URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT





GRAPHIC SCALE

0 2.5 5 10

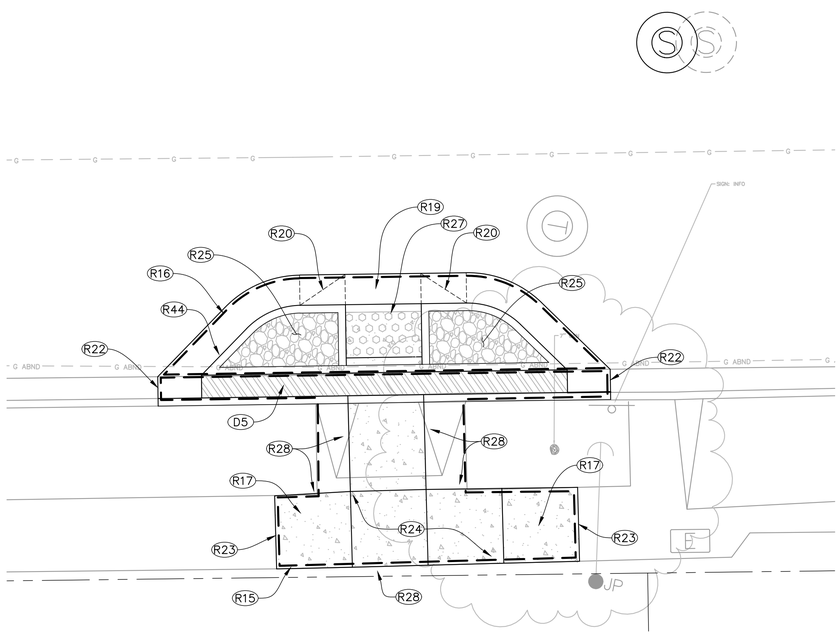
(IN FEET)
1 inch = 5 ft.

NORTH

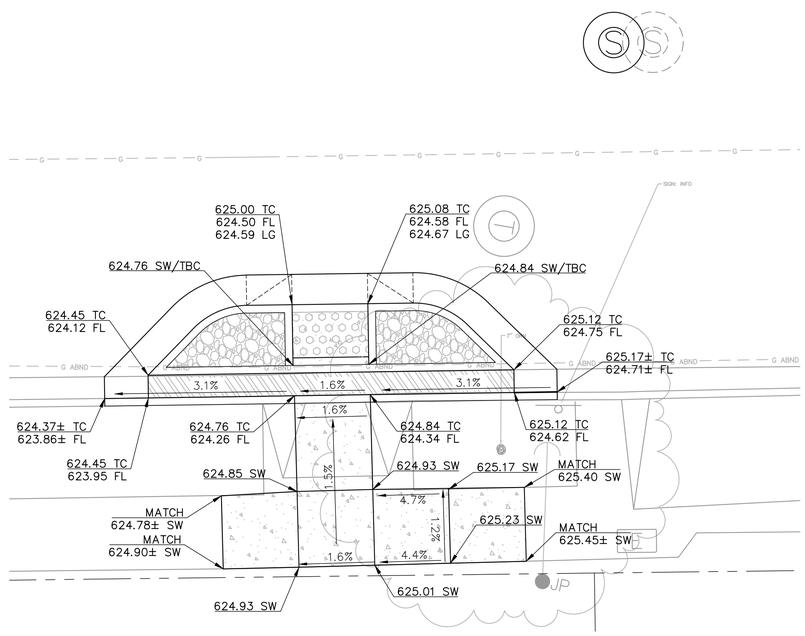
CONSTRUCTION NOTES:

- (D5) INSTALL 18" TRENCH DRAIN. — (1/143)
- (R14) REMOVE & REPLACE VALLEY GUTTER SIMILAR TO CITY DWG 104.
- (R15) REMOVE EXISTING CURB, GUTTER AND SIDEWALK.
- (R16) EXISTING ASPHALT AND AGGREGATE BASE TO BE REMOVED AS REQUIRED TO ACCOMODATE PROPOSED IMPROVEMENTS.
- (R17) INSTALL 5' LONG (OR NEAREST SCORE MARK) SIDEWALK TRANSITION.
- (R18) INSTALL GUTTER WIDTH TRANSITION.
- (R19) INSTALL 24" GUTTER PAN, SLOPE SHALL NOT BE STEEPER THAN 5%.
- (R20) INSTALL 3' MINIMUM GUTTER SLOPE TRANSITION.
- (R21) CONSTRUCT CURB AND GUTTER PER CITY DWG 102.
- (R22) CONFORM TO EXISTING CURB AND GUTTER.
- (R23) CONFORM TO EXISTING CONCRETE.
- (R24) CONSTRUCT CONCRETE SIDEWALK PER CITY DWG 102.
- (R25) INSTALL COBBLE NON-WALKABLE SURFACE PER DETAIL — (1/141)
- (R27) INSTALL MODIFIED TYPE F CURB RAMP PER CALTRANS STD PLAN RSP A88A AND PER FINISH GRADING PLAN.
- (R28) CONSTRUCT VERTICAL CURB AT SIDEWALK PER DETAIL — (2/141)
- (R29) REMOVE EXISTING VALLEY GUTTER, CURB, GUTTER AND SIDEWALK.
- (R30) RELOCATE EXISTING STREET SIGN SIMILAR TO CITY DWG 120.
- (R37) INSTALL MODIFIED TYPE C CURB RAMP PER CALTRANS STD PLAN RSP A88A AND PER FINISH GRADING PLAN.
- (R44) INSTALL CURB AND GUTTER SIMILAR TO CITY DWG 102 WITH 2' GUTTER PAN.

SEE STRIPING SHEETS FOR STRIPING.



SITE PLAN



GRADING PLAN

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1400 Neotomas Avenue
Santa Rosa, CA 95405
707.571.8005 | coastlandcivil.com

PREPARED UNDER THE DIRECTION OF
STEVEN R. VAN SAUN, RCE 86180 DATE 09/27/2023
DESIGNED BY WJK/SF | DRAWN BY WJK/SF | REVIEWED BY SRV

URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT
SPECIFICATION NO. 23-07
CITY OF UKIAH CALIFORNIA

CURB RAMP DETAILS
E CHURCH ST - SITE & GRADING PLAN

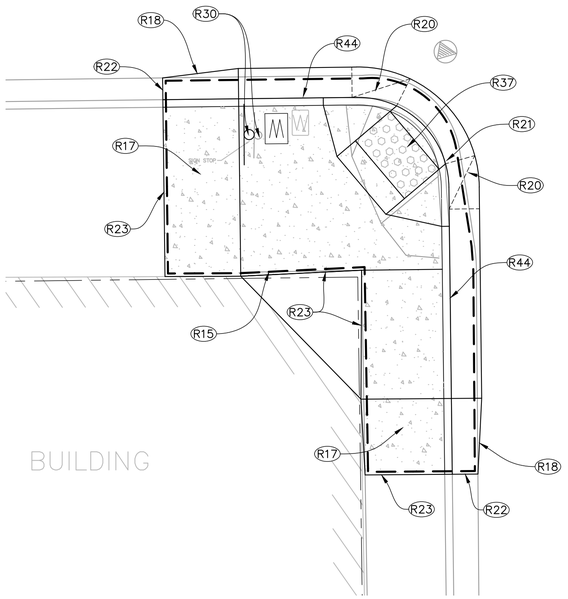
PROJECT NUMBER 29-4799
DRAWING DATE SEPTEMBER 2023
SHEET NUMBER 119 OF 143

URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT

ORIGINAL PLOT DATE: -08 H

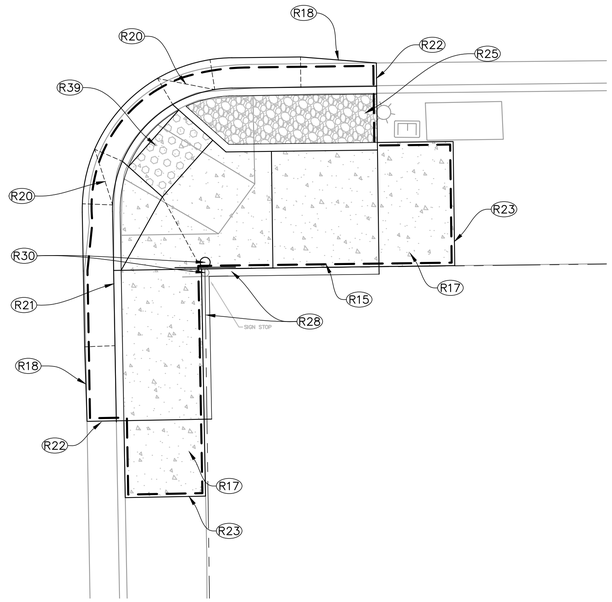
FOR REDUCED PLANS, THE 0 1 2 3
ORIGINAL SCALE IS IN INCHES

Xrefs: CCE-ENGINEERS STAMPS-PLAN.dwg;2947799-TP.dwg;2947799-TP2.dwg;2947799-Stripe.dwg;2947799-RAMP-2_SRV.dwg;2947799-SP.dwg
Images: SVS Signature-blue.jpg;SVS Signature-blue.jpg;SVS Signature-blue.jpg;
Paths: F:\Civil 3D Projects\2947799 Main St Utility Imp\DWG\2947799-RAMP.dwg Layout Name: SHT-119 Plot Date: Sep 27, 2023 at 09:41 am



N MAIN STREET

EAST PERKINS STREET



GRAPHIC SCALE

0 2.5 5 10

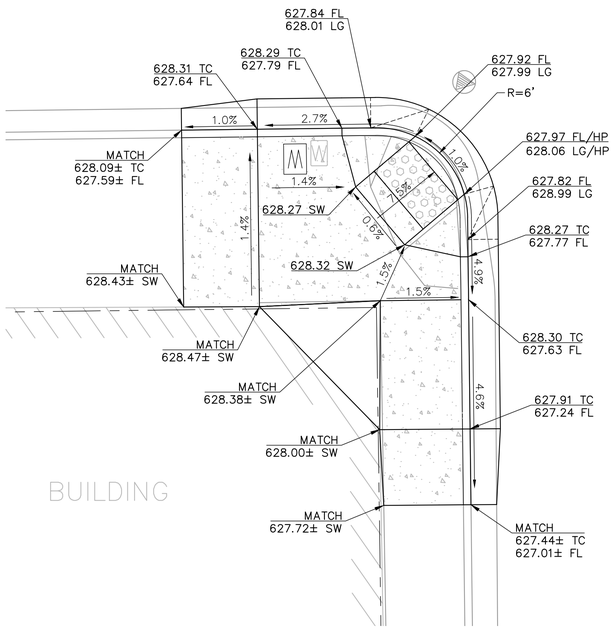
(IN FEET)
1 inch = 5 ft.

CONSTRUCTION NOTES:

- (R15) REMOVE EXISTING CURB, GUTTER AND SIDEWALK.
- (R17) INSTALL 5' LONG (OR NEAREST SCORE MARK) SIDEWALK TRANSITION.
- (R18) INSTALL GUTTER WIDTH TRANSITION.
- (R20) INSTALL 3' MINIMUM GUTTER SLOPE TRANSITION.
- (R21) CONSTRUCT CURB AND GUTTER PER CITY DWG 102.
- (R22) CONFORM TO EXISTING CURB AND GUTTER.
- (R23) CONFORM TO EXISTING CONCRETE.
- (R25) INSTALL COBBLE NON-WALKABLE SURFACE PER DETAIL 1/141
- (R28) CONSTRUCT VERTICAL CURB AT SIDEWALK PER DETAIL 2/141
- (R30) RELOCATE EXISTING STREET SIGN SIMILAR TO CITY DWG 120.
- (R37) INSTALL MODIFIED TYPE C CURB RAMP PER CALTRANS STD PLAN RSP A88A AND PER FINISH GRADING PLAN.
- (R39) INSTALL MODIFIED TYPE G CURB RAMP PER CALTRANS STD PLAN RSP A88A AND PER FINISH GRADING PLAN.
- (R44) INSTALL CURB AND GUTTER SIMILAR TO CITY DWG 102 WITH 2' GUTTER PAN.

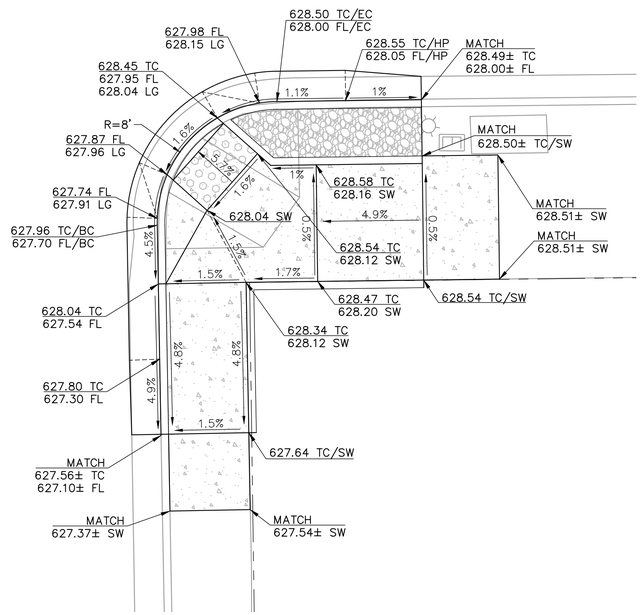
SEE STRIPING SHEETS FOR STRIPING.

SITE PLAN



N MAIN STREET

EAST PERKINS STREET



GRADING PLAN

COASTLAND | DCCM
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1400 Neotomas Avenue
Santa Rosa, CA 95405
707.571.8005 | coastlandcivil.com

PREPARED UNDER THE DIRECTION OF
STEVEN R. VAN SAUN, RCE 86180 DATE 09/27/2023

DESIGNED BY WJK/SF | DRAWN BY WJK/SF | REVIEWED BY SRV

URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT
SPECIFICATION NO. 23-07
CITY OF UKIAH CALIFORNIA

CURB RAMP DETAILS
E PERKINS ST - (E) SITE & GRADING PLAN

PROJECT NUMBER 29-4799

DRAWING DATE SEPTEMBER 2023

SHEET NUMBER 120 OF 143

URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT

ORIGINAL PLOT DATE:

FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES 0 1 2 3

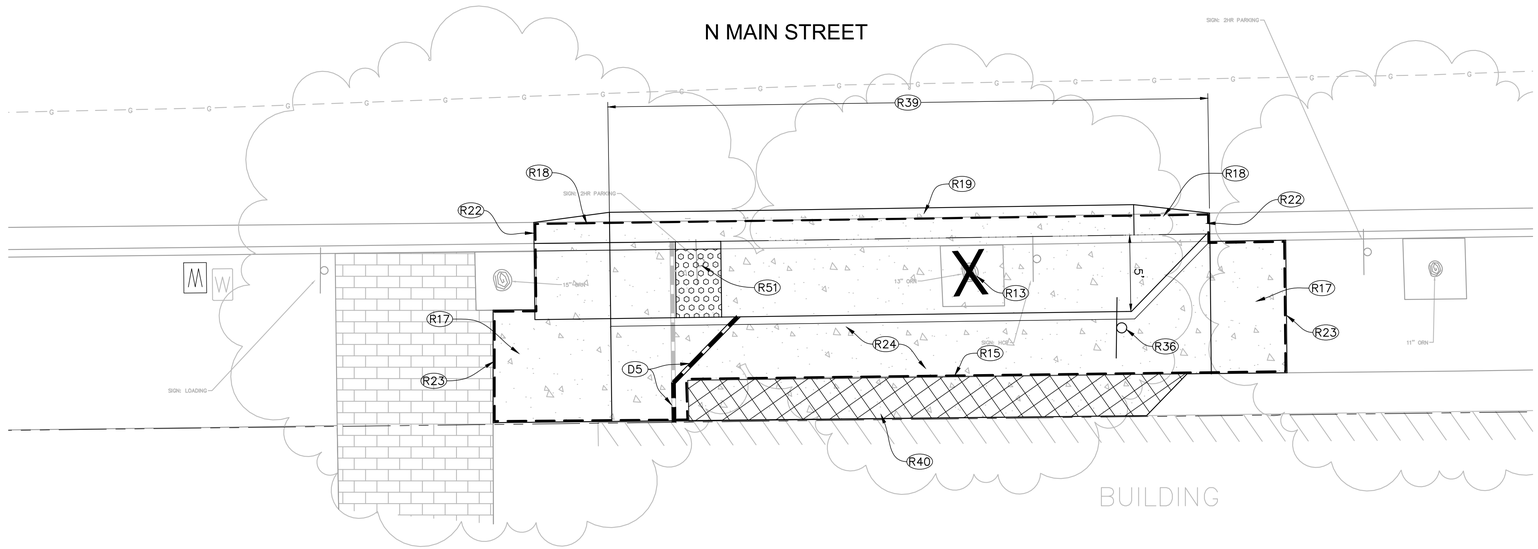
Xrefs: CCE-ENGINEERS STAMPS-PLAN.dwg;294799-TP.dwg;294799-TP2.dwg;294799-Stripe.dwg;294799-RAMP-2_SRV.dwg;294799-SP.dwg
Images: SVS Signature-blue.jpg;SVS Signature-blue.jpg;SVS Signature-blue.jpg;
Path: F:\Civil 3D Projects\294799 Main St Utility Imp\DWG\294799-RAMP.dwg Layout Name: SHT-120 Plot Date: Sep 27, 2023 at 09:42 am

ORIGINAL PLOT DATE:

FOR REDUCED PLANS, THE
ORIGINAL SCALE IS IN INCHES

0 1 2 3

Xrefs: CCE-ENGINEERS STAMPS-PLAN.dwg;294799-TP.dwg;294799-TP2.dwg;294799-Stripe.dwg;294799-RAMP-2_SRV.dwg;294799-SP.dwg
Images: SVS Signature-blue.jpg;SVS Signature-blue.jpg;SVS Signature-blue.jpg;
Path: F:\Civil 3D Projects\294799 Main St Utility Imp\DWG\294799-RAMP.dwg Layout Name: Sht-121 Plot Date: Sep 27, 2023 at 09:42 am



SITE PLAN

GRAPHIC SCALE

0 2.5 5 10

(IN FEET)
1 inch = 5 ft.

NORTH

CONSTRUCTION NOTES:

(D5) RELOCATE UNDER SIDEWALK DRAIN AS SHOWN AND PER CITY STD 410.

(R13) REMOVE TREE AND GRIND STUMP.

(R15) REMOVE EXISTING CURB, GUTTER AND SIDEWALK.

(R17) INSTALL 5' LONG (OR NEAREST SCORE MARK) SIDEWALK TRANSITION.

(R18) INSTALL GUTTER WIDTH TRANSITION.

(R19) INSTALL 24" GUTTER PAN, SLOPE SHALL NOT BE STEEPER THAN 5%.

(R20) INSTALL 3' MINIMUM GUTTER SLOPE TRANSITION.

(R21) CONSTRUCT CURB AND GUTTER PER CITY DWG 102.

(R22) CONFORM TO EXISTING CURB AND GUTTER.

(R23) CONFORM TO EXISTING CONCRETE.

(R24) CONSTRUCT CONCRETE SIDEWALK PER CITY DWG 102.

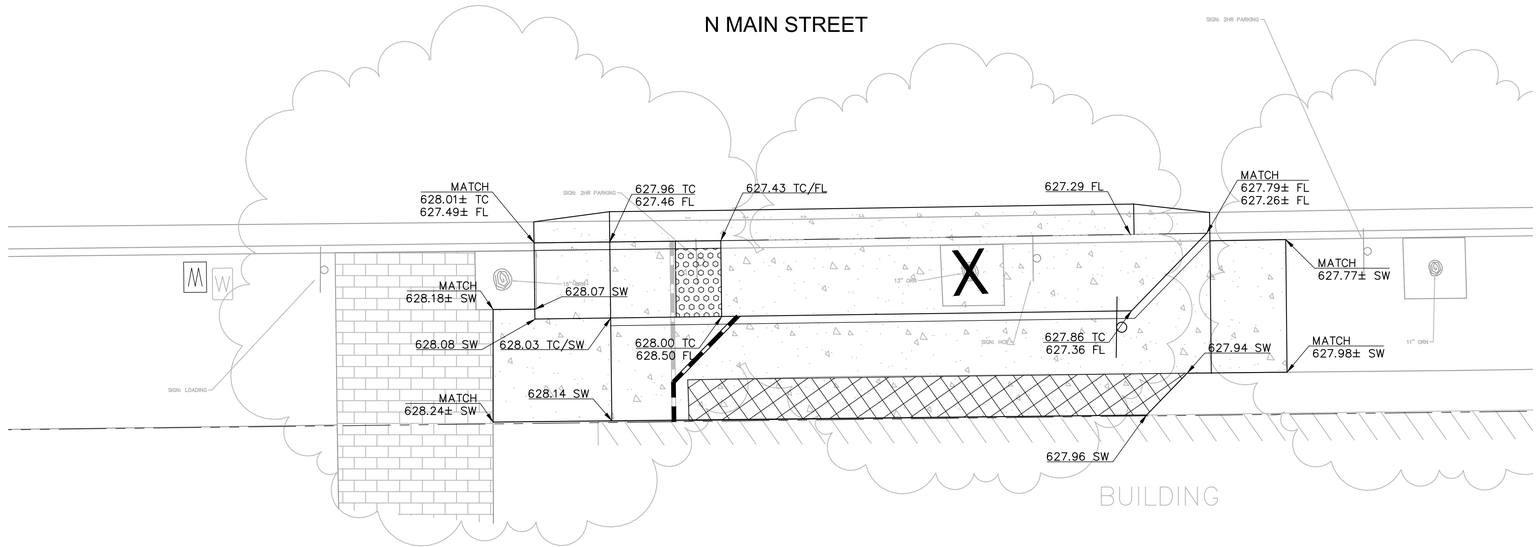
(R36) INSTALL NEW SIGN, SEE STRIPING PLAN.

(R39) INSTALL CONVENTIONAL ACCESSIBLE ON-STREET PARKING PER CALTRANS STD PLAN A90B.

(R40) REMOVE EXISTING LANDSCAPING AS REQUIRED FOR SIDEWALK CONSTRUCTION.

(R51) REMOVE EXISTING 2-HOUR PARKING SIGN AND POST.

SEE STRIPING SHEETS FOR STRIPING.



GRADING PLAN

PREPARED UNDER THE DIRECTION OF
STEVEN R. VAN SAUN, RCE 86180 DATE 09/27/2023
DESIGNED BY WJK/SF
DRAWN BY WJK/SF
REVIEWED BY SRV

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COASTLAND | DCCM
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Santa Rosa, CA 95405
707.571.8005 | coastlandcivil.com

URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT
SPECIFICATION NO. 23-07
CITY OF UKIAH CALIFORNIA

LIBRARY CURB RAMP DETAILS SITE & GRADING PLAN

PROJECT NUMBER
29-4799

DRAWING DATE
SEPTEMBER 2023

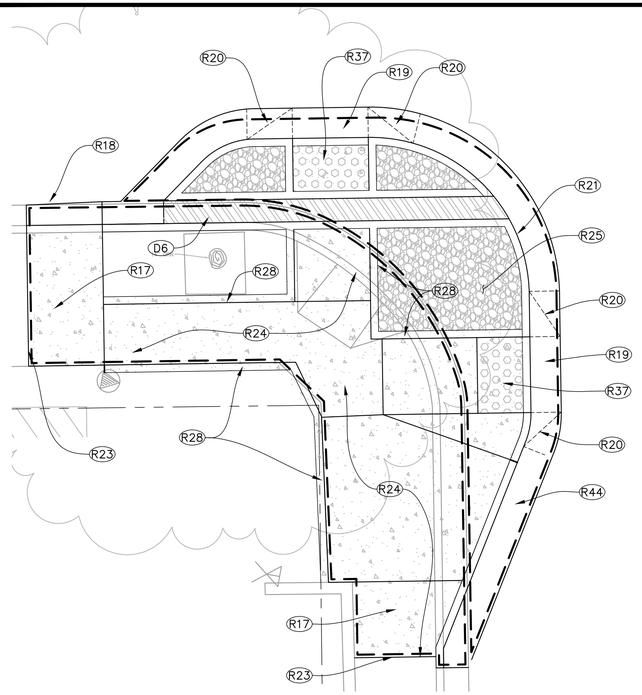
SHEET NUMBER
121 OF 143

URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT

ORIGINAL PLOT DATE:

FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES

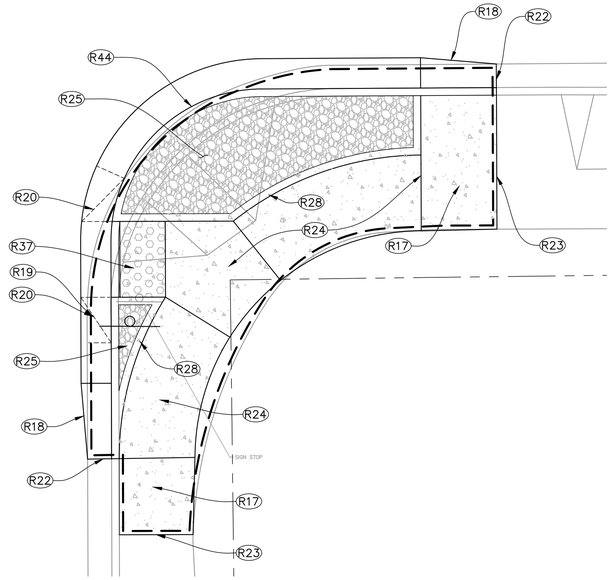
0 1 2 3



SITE PLAN

N MAIN STREET

EAST STANDLEY STREET



GRAPHIC SCALE

0 2.5 5 10

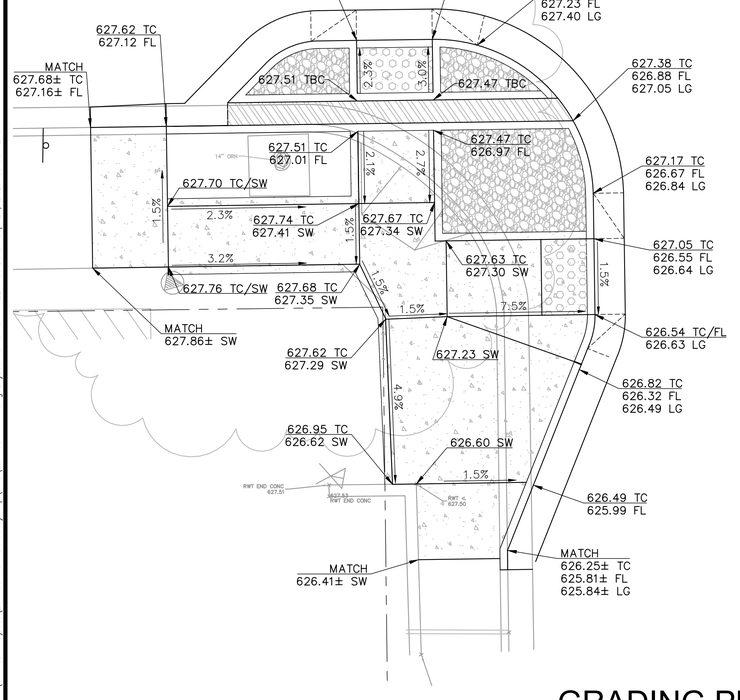
(IN FEET)
1 inch = 5 ft.

NORTH

CONSTRUCTION NOTES:

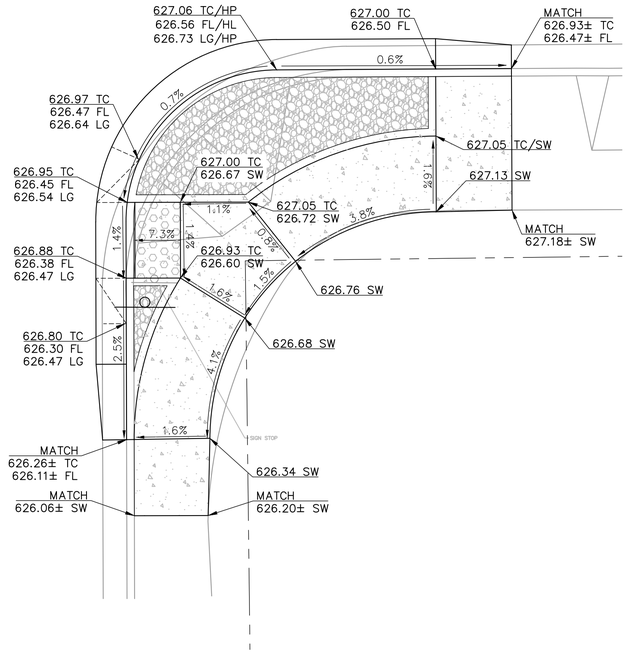
- (D5) INSTALL 18" TRENCH DRAIN. — (1/143)
- (R17) INSTALL 5' LONG (OR NEAREST SCORE MARK) SIDEWALK TRANSITION.
- (R18) INSTALL GUTTER WIDTH TRANSITION.
- (R19) INSTALL 24" GUTTER PAN, SLOPE SHALL NOT BE STEEPER THAN 5%.
- (R20) INSTALL 3' MINIMUM GUTTER SLOPE TRANSITION.
- (R21) CONSTRUCT CURB AND GUTTER PER CITY DWG 102.
- (R22) CONFORM TO EXISTING CURB AND GUTTER.
- (R23) CONFORM TO EXISTING CONCRETE.
- (R24) CONSTRUCT CONCRETE SIDEWALK PER CITY DWG 102.
- (R25) INSTALL COBBLE NON-WALKABLE SURFACE PER DETAIL — (1/141)
- (R28) CONSTRUCT VERTICAL CURB AT SIDEWALK PER DETAIL — (2/141)
- (R37) INSTALL MODIFIED TYPE C CURB RAMP PER CALTRANS STD PLAN RSP A88A AND PER FINISH GRADING PLAN.
- (R44) INSTALL CURB AND GUTTER SIMILAR TO CITY DWG 102 WITH 2' GUTTER PAN.

SEE STRIPING SHEETS FOR STRIPING.



N MAIN STREET

EAST STANDLEY STREET



GRADING PLAN

Xrefs: CCE-ENGINEERS STAMPS-PLAN.dwg;294799-TP.dwg;294799-TP2.dwg;294799-Stripe.dwg;294799-RAMP-2_SRV.dwg;294799-SP.dwg
Images: SVS Signature-blue.jpg;SVS Signature-blue.jpg;SVS Signature-blue.jpg;
Path: F:\Civil 3D Projects\294799 Main St Utility Imp\DWG\294799-RAMP.dwg Layout Name: SHT-122 Plot Date: Sep 27, 2023 at 09:42 am

STEVEN R. VAN SAUN No. C 86180 CIVIL REGISTERED PROFESSIONAL ENGINEER STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF
STEVEN R. VAN SAUN, RCE 86180 DATE 09/27/2023

DESIGNED BY WJK/SF | DRAWN BY WJK/SF | REVIEWED BY SRV

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URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT
SPECIFICATION NO. 23-07
CITY OF UKIAH CALIFORNIA

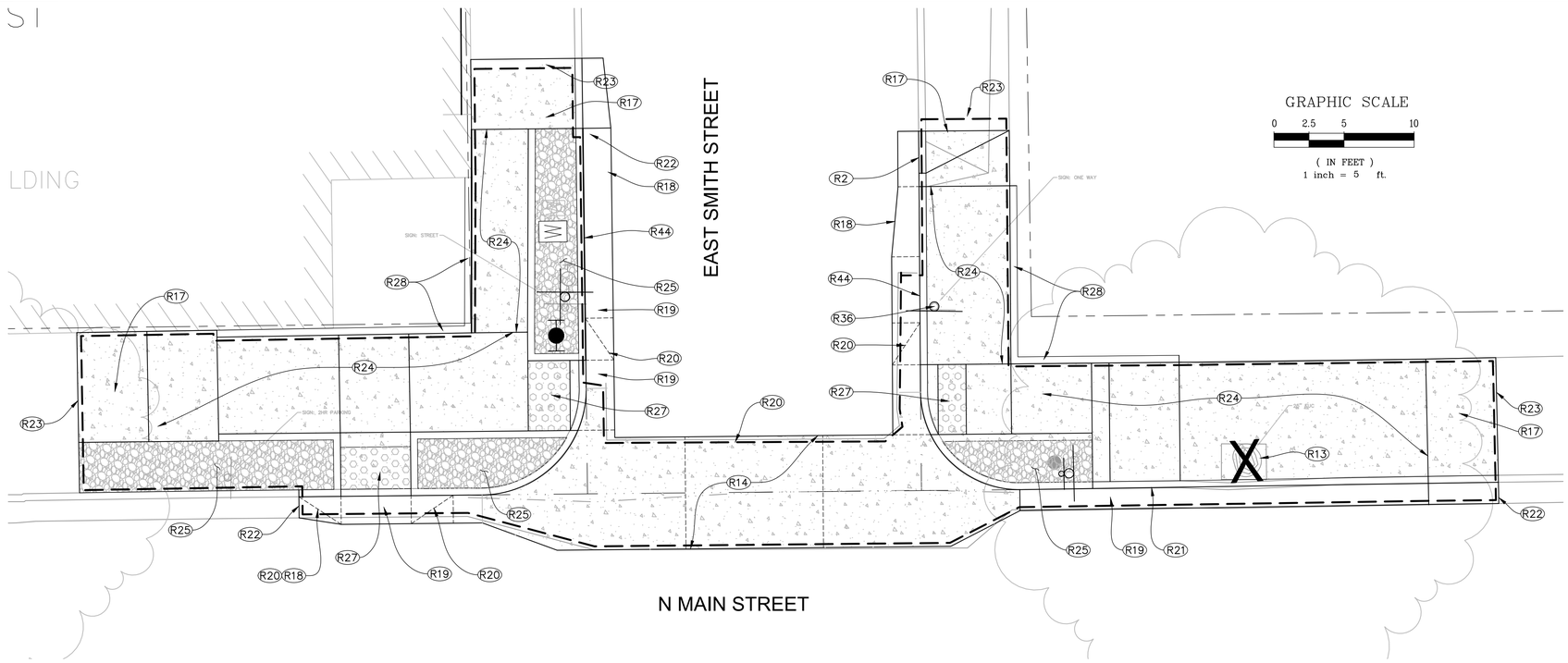
CURB RAMP DETAILS
E STANDLEY ST - (E) SITE & GRADING PLAN

PROJECT NUMBER
29-4799

DRAWING DATE
SEPTEMBER 2023

SHEET NUMBER
122 OF 143

URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT



GRAPHIC SCALE

0 2.5 5 10

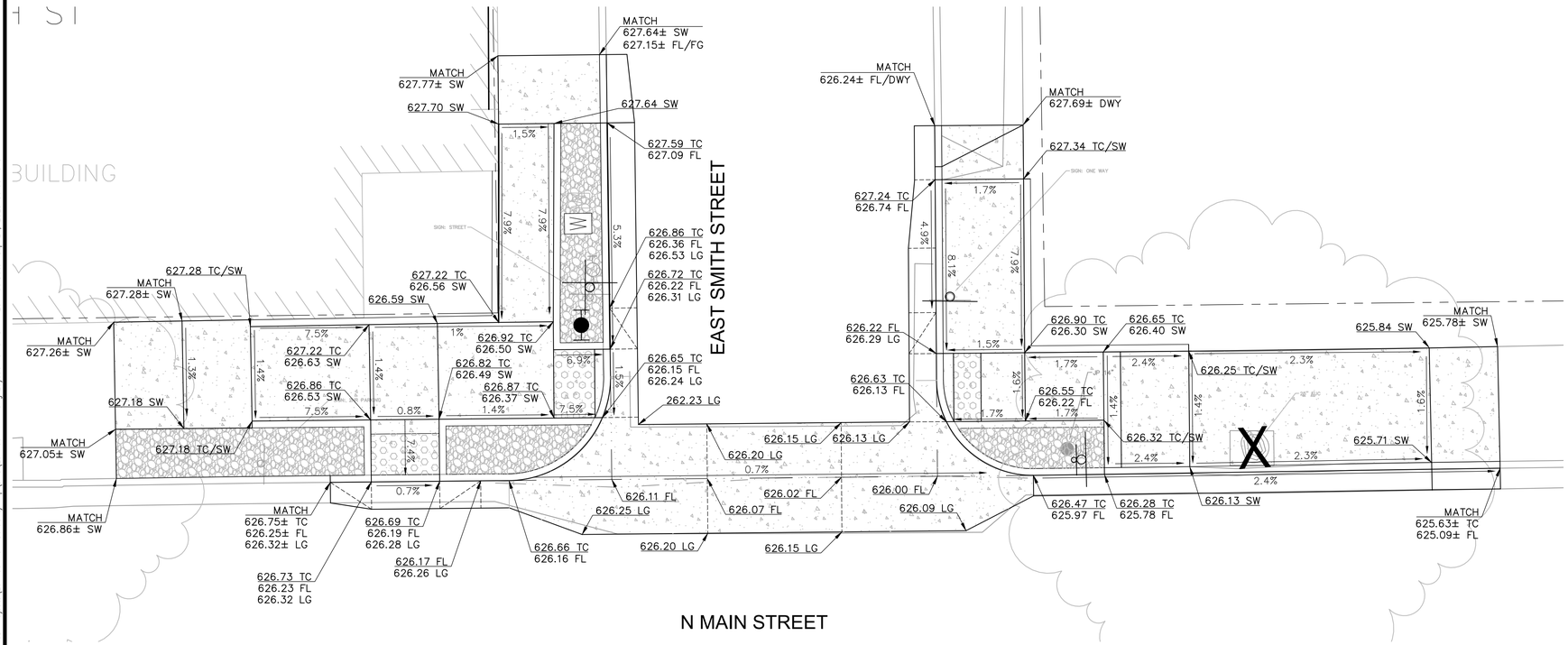
(IN FEET)
1 inch = 5 ft.

CONSTRUCTION NOTES:

- (R2) REMOVE AND REPLACE CURB AND GUTTER PER CITY DWG 102.
- (R13) REMOVE TREE AND GRIND STUMP.
- (R14) REMOVE & REPLACE VALLEY GUTTER SIMILAR TO CITY DWG 104.
- (R17) INSTALL 5' LONG (OR NEAREST SCORE MARK) SIDEWALK TRANSITION.
- (R18) INSTALL GUTTER WIDTH TRANSITION.
- (R19) INSTALL 24" GUTTER PAN, SLOPE SHALL NOT BE STEEPER THAN 5%.
- (R20) INSTALL 3' MINIMUM GUTTER SLOPE TRANSITION.
- (R21) CONSTRUCT CURB AND GUTTER PER CITY DWG 102.
- (R22) CONFORM TO EXISTING CURB AND GUTTER.
- (R23) CONFORM TO EXISTING CONCRETE.
- (R24) CONSTRUCT CONCRETE SIDEWALK PER CITY DWG 102.
- (R25) INSTALL COBBLE NON-WALKABLE SURFACE PER DETAIL 1/141
- (R27) INSTALL MODIFIED TYPE F CURB RAMP PER CALTRANS STD PLAN RSP A88A AND PER FINISH GRADING PLAN.
- (R28) CONSTRUCT VERTICAL CURB AT SIDEWALK PER DETAIL 2/141
- (R29) REMOVE EXISTING VALLEY GUTTER, CURB, GUTTER AND SIDEWALK.
- (R36) INSTALL NEW SIGN, SEE STRIPING PLAN.
- (R44) INSTALL CURB AND GUTTER SIMILAR TO CITY DWG 102 WITH 2' GUTTER PAN.

SEE STRIPING SHEETS FOR STRIPING.

SITE PLAN



GRADING PLAN

Xrefs: CCE-ENGINEERS STAMPS-PLAN.dwg;294799-TP.dwg;294799-TP2.dwg;294799-Stripe.dwg;294799-RAMP-2_SRV.dwg;294799-SP.dwg
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Path: F:\Civil 3D Projects\294799 Main St Utility Imp\DWG\294799-RAMP.dwg Layout Name: SHT-123 Plot Date: Sep 27, 2023 at 09:43 am
FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES
ORIGINAL PLOT DATE:
0 1 2 3

PREPARED UNDER THE DIRECTION OF
STEVEN R. VAN SAUN, RCE 86180 DATE 09/27/2023

DESIGNED BY	DRAWN BY	REVIEWED BY
WJK/SF	WJK/SF	SRV

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Santa Rosa, CA 95405
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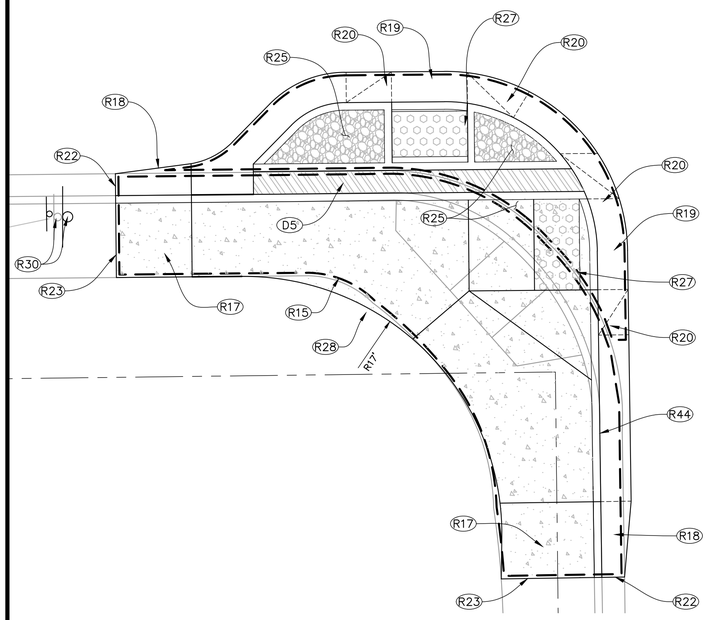
URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT
SPECIFICATION NO. 23-07
CITY OF UKIAH CALIFORNIA

CURB RAMP DETAILS
E SMITH ST - (W) SITE & GRADING PLAN

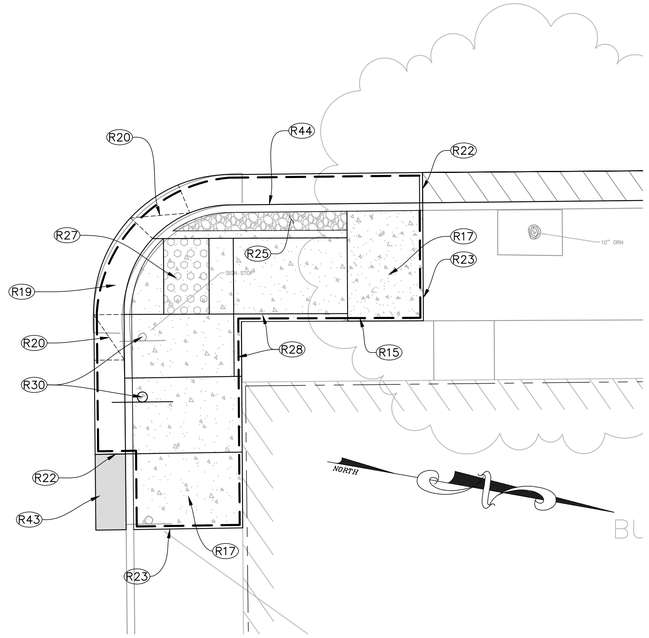
PROJECT NUMBER	DRAWING DATE	SHEET NUMBER
29-4799	SEPTEMBER 2023	123 OF 143

URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT



N MAIN STREET

EAST SMITH STREET



SITE PLAN

GRAPHIC SCALE

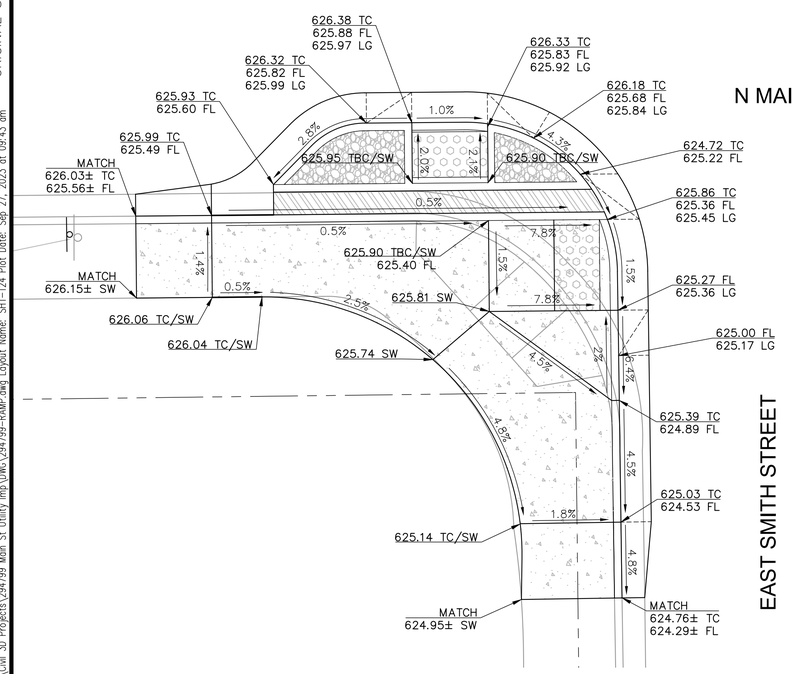
0 2.5 5 10

(IN FEET)
1 inch = 5 ft.

CONSTRUCTION NOTES:

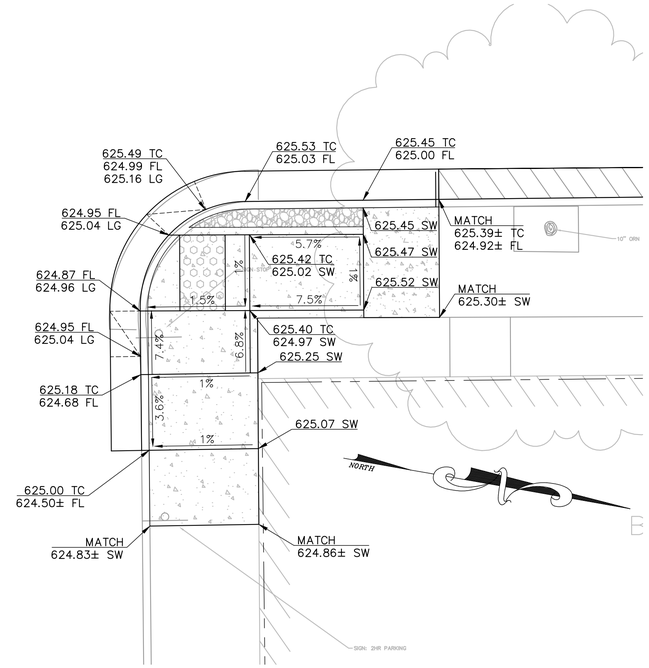
- (D5) INSTALL 18" TRENCH DRAIN. — (1/143)
- (R15) REMOVE EXISTING CURB, GUTTER AND SIDEWALK.
- (R16) EXISTING ASPHALT AND AGGREGATE BASE TO BE REMOVED AS REQUIRED TO ACCOMODATE PROPOSED IMPROVEMENTS.
- (R17) INSTALL 5' LONG (OR NEAREST SCORE MARK) SIDEWALK TRANSITION.
- (R18) INSTALL GUTTER WIDTH TRANSITION.
- (R19) INSTALL 24" GUTTER PAN, SLOPE SHALL NOT BE STEEPER THAN 5%.
- (R20) INSTALL 3' MINIMUM GUTTER SLOPE TRANSITION.
- (R21) CONSTRUCT CURB AND GUTTER PER CITY DWG 102.
- (R22) CONFORM TO EXISTING CURB AND GUTTER.
- (R23) CONFORM TO EXISTING CONCRETE.
- (R24) CONSTRUCT CONCRETE SIDEWALK PER CITY DWG 102.
- (R25) INSTALL COBBLE NON-WALKABLE SURFACE PER DETAIL — (1/141)
- (R27) INSTALL MODIFIED TYPE F CURB RAMP PER CALTRANS STD PLAN RSP A88A AND PER FINISH GRADING PLAN.
- (R28) CONSTRUCT VERTICAL CURB AT SIDEWALK PER DETAIL — (2/141)
- (R43) PLACE AC OVER GUTTER PAN, 5' MINIMUM, TO CONFORM TO EXISTING.
- (R44) INSTALL CURB AND GUTTER SIMILAR TO CITY DWG 102 WITH 2' GUTTER PAN.

SEE STRIPING SHEETS FOR STRIPING.



N MAIN STREET

EAST SMITH STREET



GRADING PLAN

FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES

ORIGINAL PLOT DATE:

Xrefs: CCE-ENGINEERS STAMPS-PLAN.dwg;294799-TP.dwg;294799-TP2.dwg;294799-Stripe.dwg;294799-RAMP-2_SRV.dwg;294799-SP.dwg
Images: SVS Signature-blue.jpg;SVS Signature-blue.jpg;SVS Signature-blue.jpg;SVS Signature-blue.jpg;
Path: F:\Civil 3D Projects\294799 Main St Utility Imp\DWG\294799-RAMP.dwg Layout Name: SHT-124 Plot Date: Sep 27, 2023 at 09:43 am

PREPARED UNDER THE DIRECTION OF
STEVEN R. VAN SAUN, RCE 86180 DATE 09/27/2023

DESIGNED BY WJK/SF | DRAWN BY WJK/SF | REVIEWED BY SRV

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URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT
SPECIFICATION NO. 23-07
CITY OF UKIAH CALIFORNIA

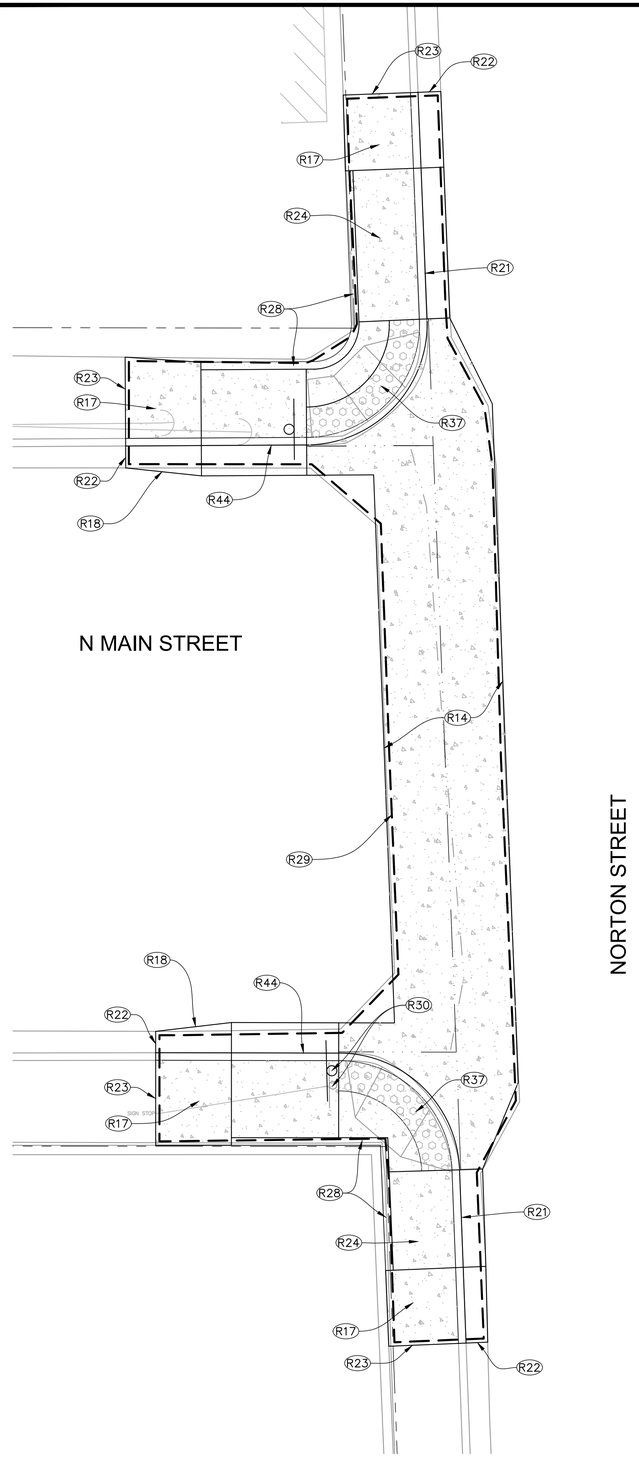
CURB RAMP DETAILS
E SMITH ST - (E) SITE & GRADING PLAN

PROJECT NUMBER
29-4799

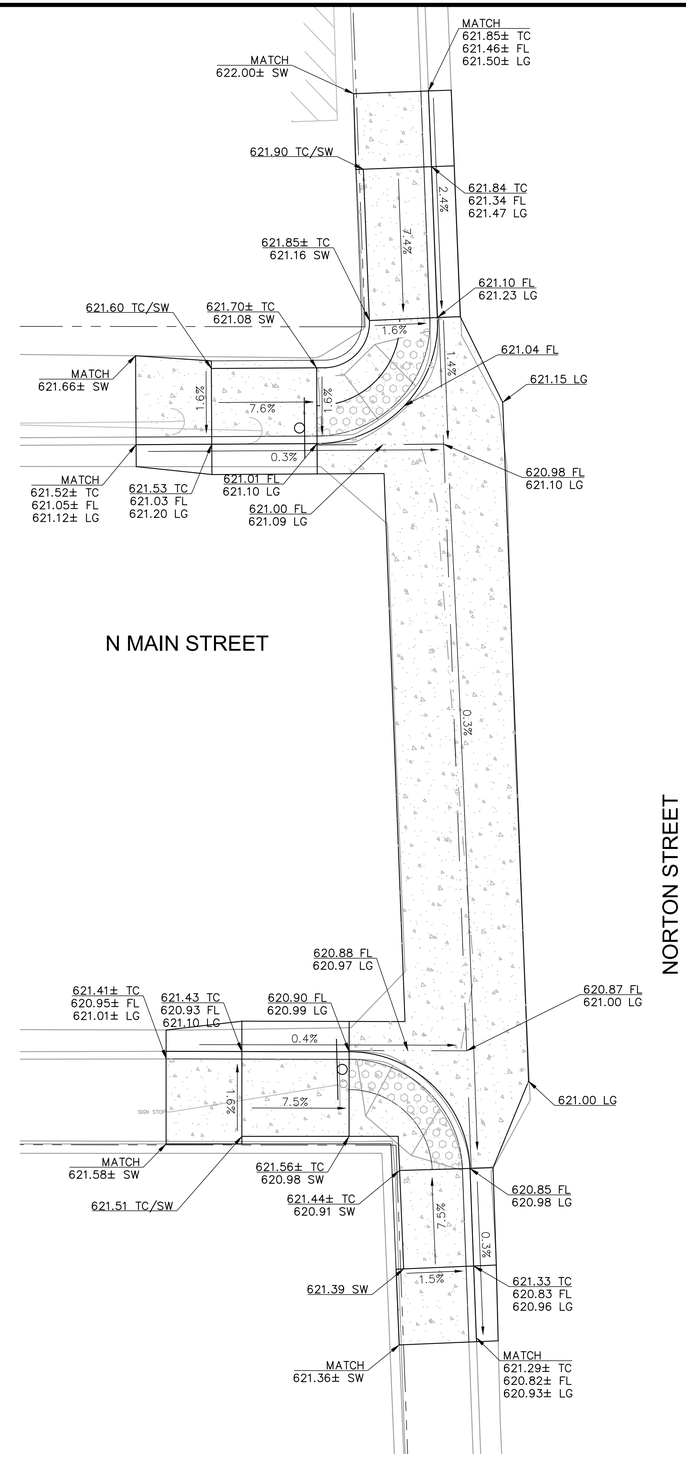
DRAWING DATE
SEPTEMBER 2023

SHEET NUMBER
124 OF 143

URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT



SITE PLAN



GRADING PLAN

GRAPHIC SCALE

0 2.5 5 10

(IN FEET)
1 inch = 5 ft.

NORTH

CONSTRUCTION NOTES:

- R14 REMOVE & REPLACE VALLEY GUTTER SIMILAR TO CITY DWG 104.
- R17 INSTALL 5' LONG (OR NEAREST SCORE MARK) SIDEWALK TRANSITION.
- R18 INSTALL GUTTER WIDTH TRANSITION.
- R19 INSTALL 24" GUTTER PAN, SLOPE SHALL NOT BE STEEPER THAN 5%.
- R21 CONSTRUCT CURB AND GUTTER PER CITY DWG 102.
- R22 CONFORM TO EXISTING CURB AND GUTTER.
- R23 CONFORM TO EXISTING CONCRETE.
- R24 CONSTRUCT CONCRETE SIDEWALK PER CITY DWG 102.
- R28 CONSTRUCT VERTICAL CURB AT SIDEWALK PER DETAIL 2/141
- R29 REMOVE EXISTING VALLEY GUTTER, CURB, GUTTER AND SIDEWALK.
- R30 RELOCATE EXISTING STREET SIGN SIMILAR TO CITY DWG 120.
- R37 INSTALL MODIFIED TYPE C CURB RAMP PER CALTRANS STD PLAN RSP A88A AND PER FINISH GRADING PLAN.
- R44 INSTALL CURB AND GUTTER SIMILAR TO CITY DWG 102 WITH 2' GUTTER PAN.

SEE STRIPING SHEETS FOR STRIPING.

FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES 0 1 2 3

ORIGINAL PLOT DATE:

Xrefs: CCE-ENGINEERS STAMPS-PLAN.dwg;294799-TP.dwg;294799-TP2.dwg;294799-Stripe.dwg;294799-RAMP-2_SRV.dwg;294799-SP.dwg
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Path: F:\Civil 3D Projects\294799 Main St Utility Imp\DWG\294799-RAMP.dwg Layout Name: SHT-125 Plot Date: Sep 27, 2023 at 09:44 am

REGISTERED PROFESSIONAL ENGINEER STEVEN R. VAN SAUN No. C 86180 CIVIL STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF
STEVEN R. VAN SAUN, RCE 86180 DATE 09/27/2023

DESIGNED BY WJK/SF | DRAWN BY WJK/SF | REVIEWED BY SRV

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Santa Rosa, CA 95405
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URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT
SPECIFICATION NO. 23-07

CITY OF UKIAH CALIFORNIA

CURB RAMP DETAILS
NORTON ST - SITE & GRADING PLAN

PROJECT NUMBER
29-4799

DRAWING DATE
SEPTEMBER 2023

SHEET NUMBER
125 OF 143

URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT

Xrefs: CCE-ENGINEERS STAMPS-PLAN.dwg;294799-TP.dwg;294799-TP2.dwg;294799-RAMP.dwg;294799-Stripe.dwg;294799-ROAD-HATCH.dwg
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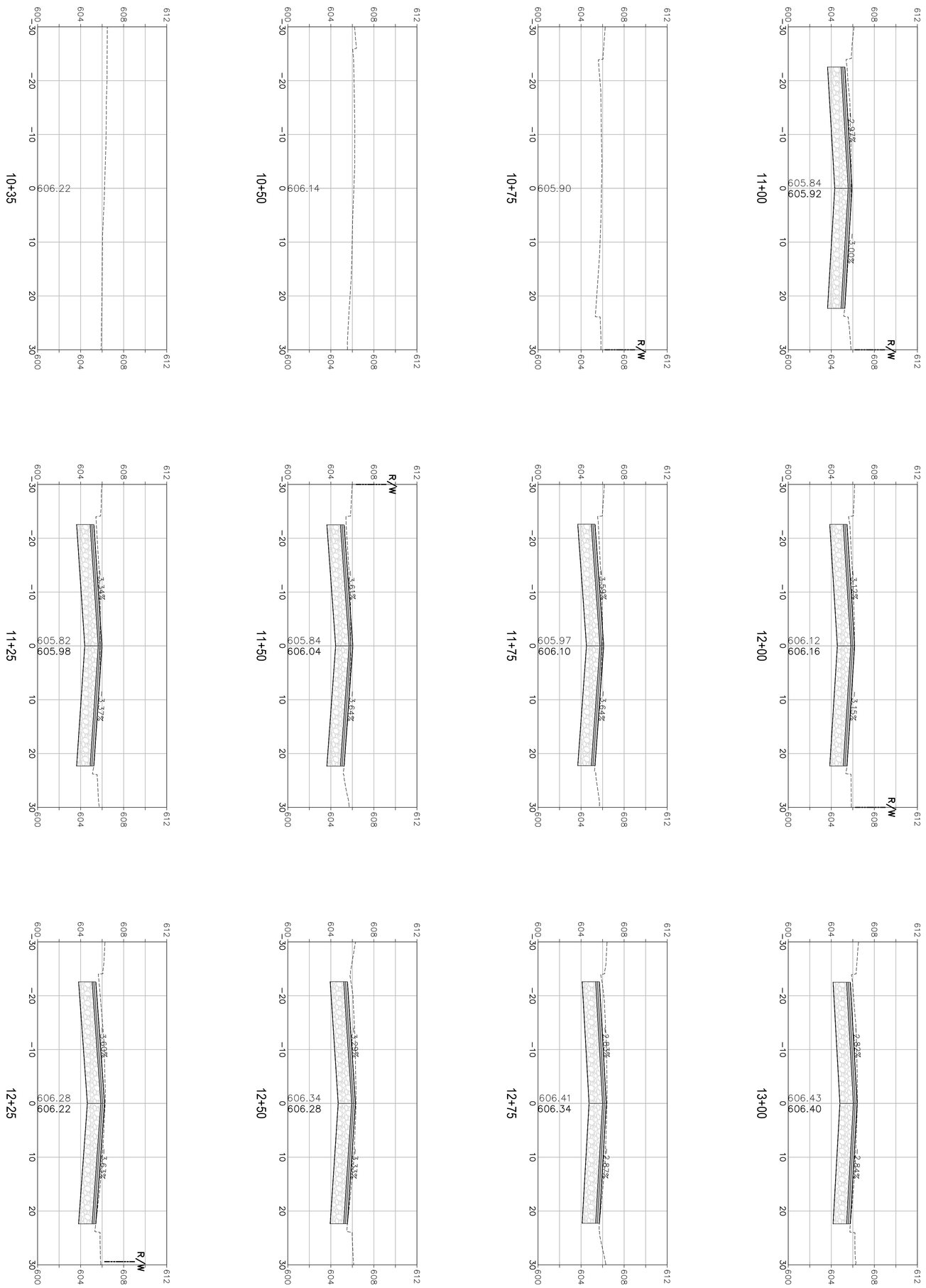
Path: F:\Civil 3D Projects\294799 Main St Utility Imp\DWG\294799-CORR.dwg Layout Name: SHT-126 Plot Date: Sep 27, 2023 at 09:44 am

FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES 0 1 2 3

ORIGINAL PLOT DATE:



CROSS SECTION SCALES
HORIZ.: 1" = 10' VERT.: 1" = 5'

URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT
SPECIFICATION NO. 23-07

CITY OF UKIAH CALIFORNIA

MAIIN STEET CROSS SECTIONS
STA 10+35 TO STA 13+00

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PREPARED UNDER THE DIRECTION OF

09/27/2023
STEVEN R. VAN SAUN, RCE 86180 DATE

DESIGNED BY	DRAWN BY	REVIEWED BY
WJK/SF	WJK/SF	SRV

REGISTERED PROFESSIONAL ENGINEER
STEVEN R. VAN SAUN
No. C 86180
CIVIL
STATE OF CALIFORNIA

PROJECT NUMBER 29-4799

DRAWING DATE SEPTEMBER 2023

SHEET NUMBER 126 OF 143

Xrefs: CCE-ENGINEERS STAMPS-PLAN.dwg;294799-TP.dwg;294799-TP2.dwg;294799-RAMP.dwg;294799-Stripe.dwg;294799-ROAD-HATCH.dwg
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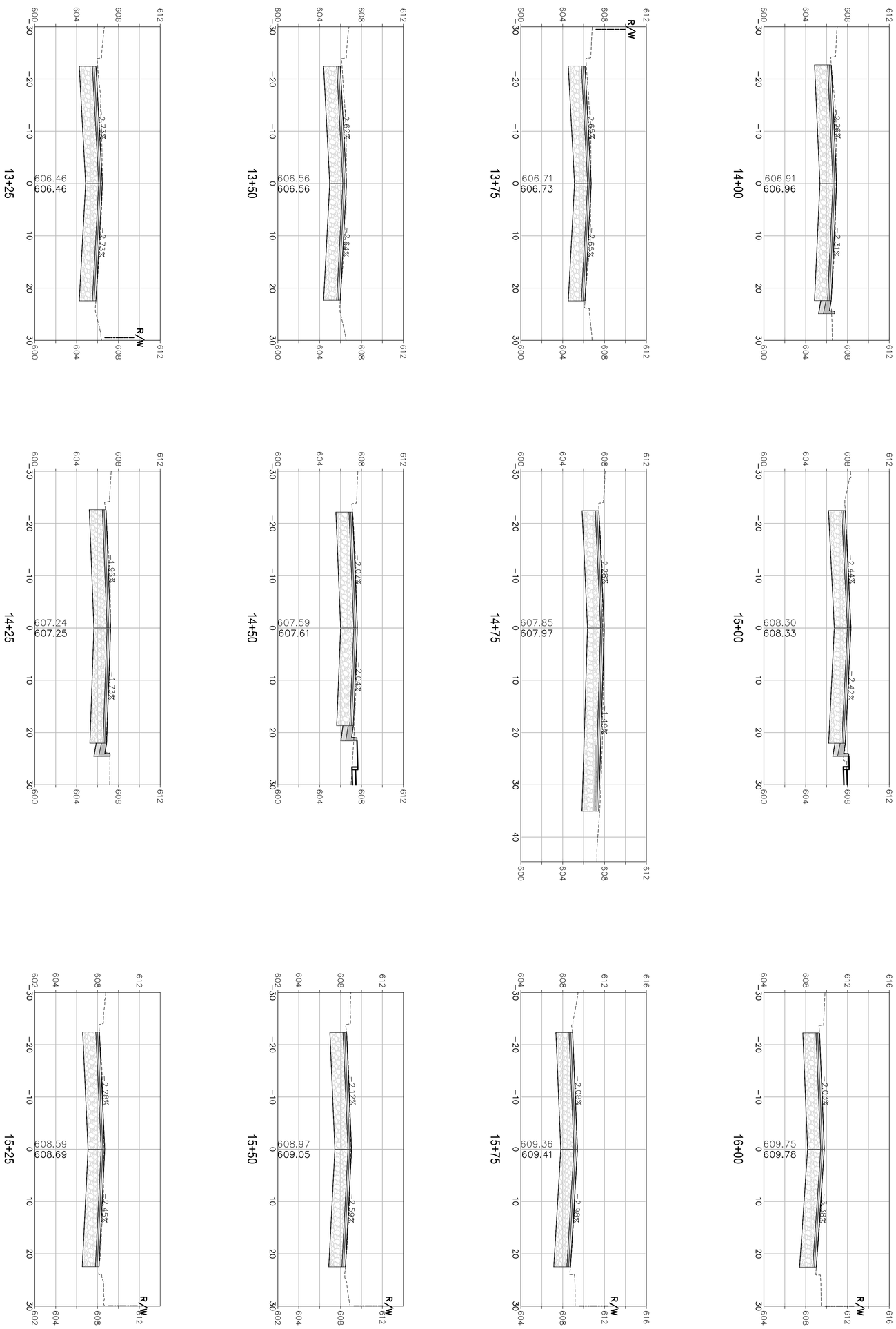
FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES 0 1 2 3

ORIGINAL PLOT DATE:



CROSS SECTION SCALES
HORIZ: 1" = 10'
VERT: 1" = 5'

MAIN STREET UTILITY IMPROVEMENT PROJECT
STA 13+25 TO STA 16+00
CITY OF UKIAH CALIFORNIA

MAIN STEET CROSS SECTIONS STA 13+25 TO STA 16+00

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PREPARED UNDER THE DIRECTION OF

09/27/2023
STEVEN R. VAN SAUN, RCE 86180 DATE

DESIGNED BY	DRAWN BY	REVIEWED BY
WJK	WJK	SRV

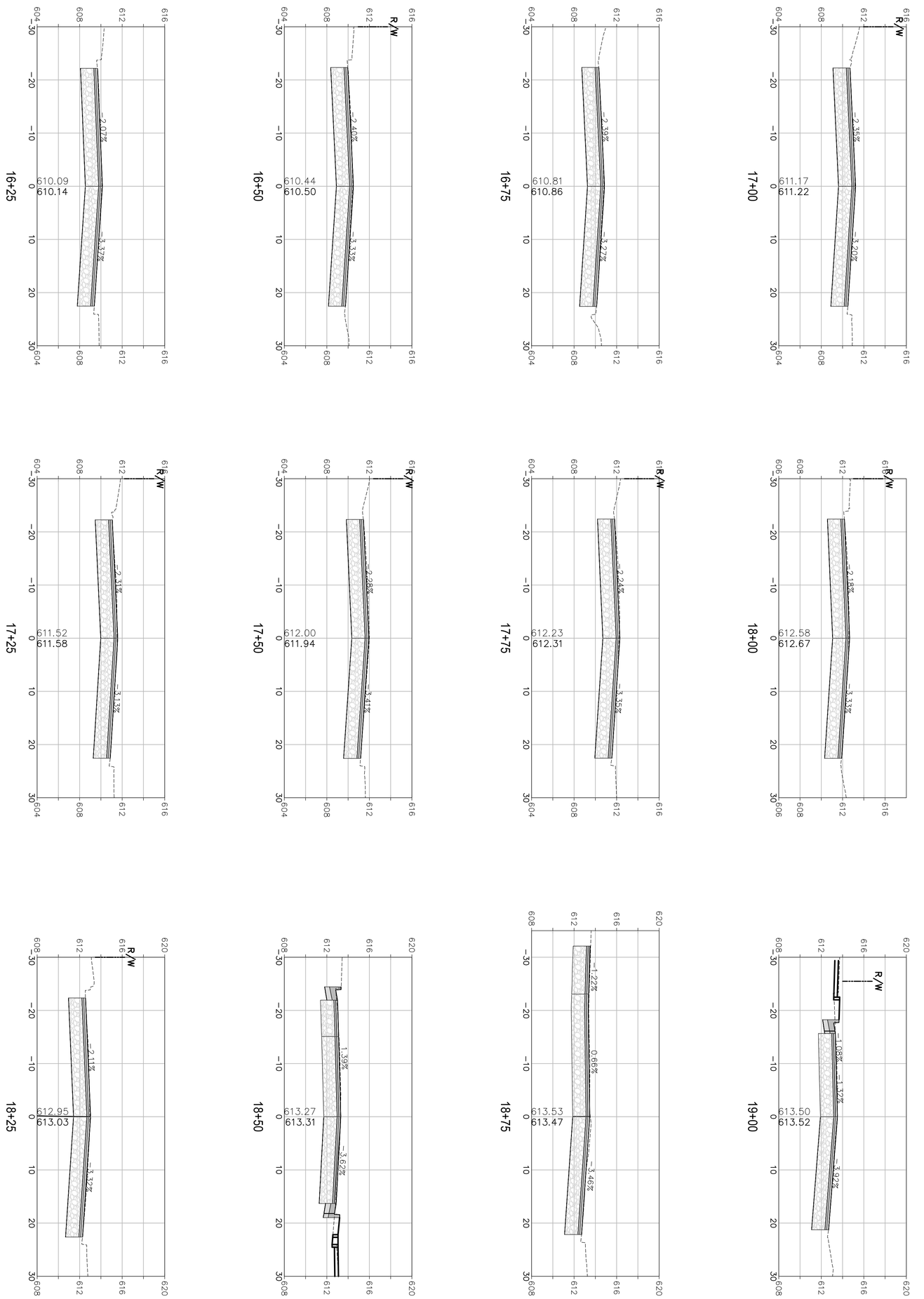
REGISTERED PROFESSIONAL ENGINEER
STEVEN R. VAN SAUN
No. C 86180
CIVIL
STATE OF CALIFORNIA

PROJECT NUMBER 29-4799
DRAWING DATE DECEMBER 2022
SHEET NUMBER 127 OF 143

Xrefs: CCE-ENGINEERS STAMPS-PLAN.dwg;294799-TP.dwg;294799-TP2.dwg;294799-RAMP.dwg;294799-Stripe.dwg;294799-ROAD-HATCH.dwg
Images: SVS Signature-blue.jpg;SVS Signature-blue.jpg;
Path: F:\Civil 3D Projects\294799 Main St Utility Imp\DWG\294799-CORR.dwg Layout Name: SHT-128 Plot Date: Sep 27, 2023 at 09:44 am

FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES 0 1 2 3

ORIGINAL PLOT DATE:



CROSS SECTION SCALES
HORIZ.: 1" = 10' VERT.: 1" = 5'

URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT
SPECIFICATION NO. 23-07

CITY OF UKIAH CALIFORNIA

MAIN STEET CROSS SECTIONS
STA 16+25 TO STA 19+00

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09/27/2023
STEVEN R. VAN SAUN, RCE 86180 DATE

DESIGNED BY	DRAWN BY	REVIEWED BY
WJK/SF	WJK/SF	SRV

REGISTERED PROFESSIONAL ENGINEER
STEVEN R. VAN SAUN
No. C 86180
CIVIL
STATE OF CALIFORNIA

PROJECT NUMBER 29-4799

DRAWING DATE SEPTEMBER 2023

SHEET NUMBER 128 OF 143

Xrefs: CCE-ENGINEERS STAMPS-PLAN.dwg;294799-TP.dwg;294799-TP2.dwg;294799-RAMP.dwg;294799-Stripe.dwg;294799-ROAD-HATCH.dwg
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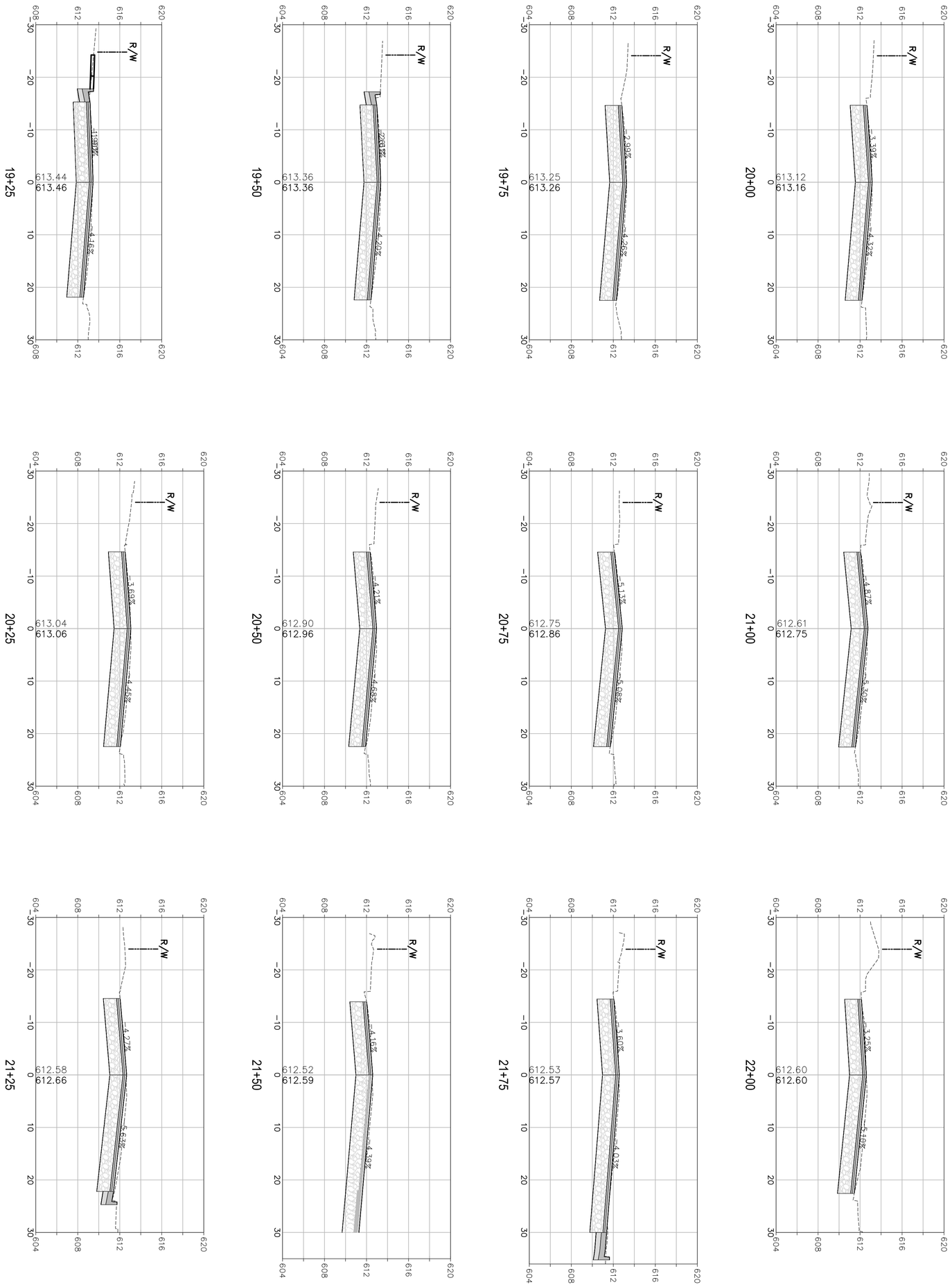
ORIGINAL PLOT DATE:



CROSS SECTION SCALES
HORIZ.: 1" = 10' VERT.: 1" = 5'

URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT
SPECIFICATION NO. 23-07

CITY OF UKIAH CALIFORNIA

MAIN STEET CROSS SECTIONS
STA 19+25 TO STA 22+00

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09/27/2023
STEVEN R. VAN SAUN, RCE 86180 DATE

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WJK/SF	WJK/SF	SRV

REGISTERED PROFESSIONAL ENGINEER
STEVEN R. VAN SAUN
No. C 86180
CIVIL
STATE OF CALIFORNIA

PROJECT NUMBER 29-4799

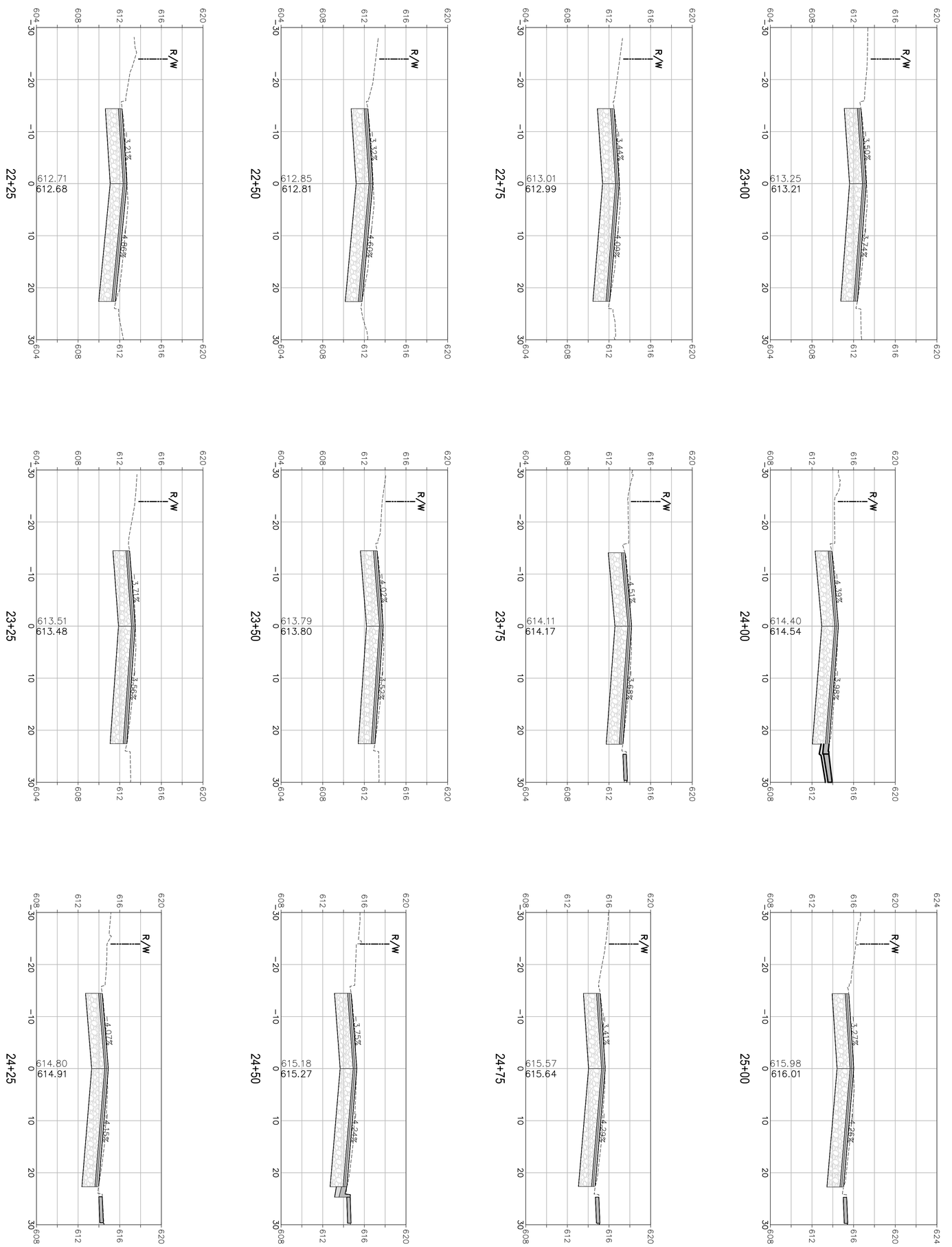
DRAWING DATE SEPTEMBER 2023

SHEET NUMBER 129 OF 143

Xrefs: CCE-ENGINEERS STAMPS-PLAN.dwg;294799-TP.dwg;294799-TP2.dwg;294799-RAMP.dwg;294799-Stripe.dwg;294799-ROAD-HATCH.dwg
Images: SVS Signature-blue.jpg;SVS Signature-blue.jpg;
Path: F:\Civil 3D Projects\294799 Main St Utility Imp\DWG\294799-CORR.dwg Layout Name: SHT-130 Plot Date: Sep 27, 2023 at 09:44 am

FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES 0 1 2 3

ORIGINAL PLOT DATE:



CROSS SECTION SCALES
HORIZ.: 1" = 10' VERT.: 1" = 5'

URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT
SPECIFICATION NO. 23-07
CITY OF UKIAH CALIFORNIA

MAIN STEET CROSS SECTIONS
STA 22+25 TO STA 25+00

SHEET NUMBER 130 OF 143
DRAWING DATE SEPTEMBER 2023
PROJECT NUMBER 29-4799

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PREPARED UNDER THE DIRECTION OF
09/27/2023
STEVEN R. VAN SAUN, RCE 86180 DATE

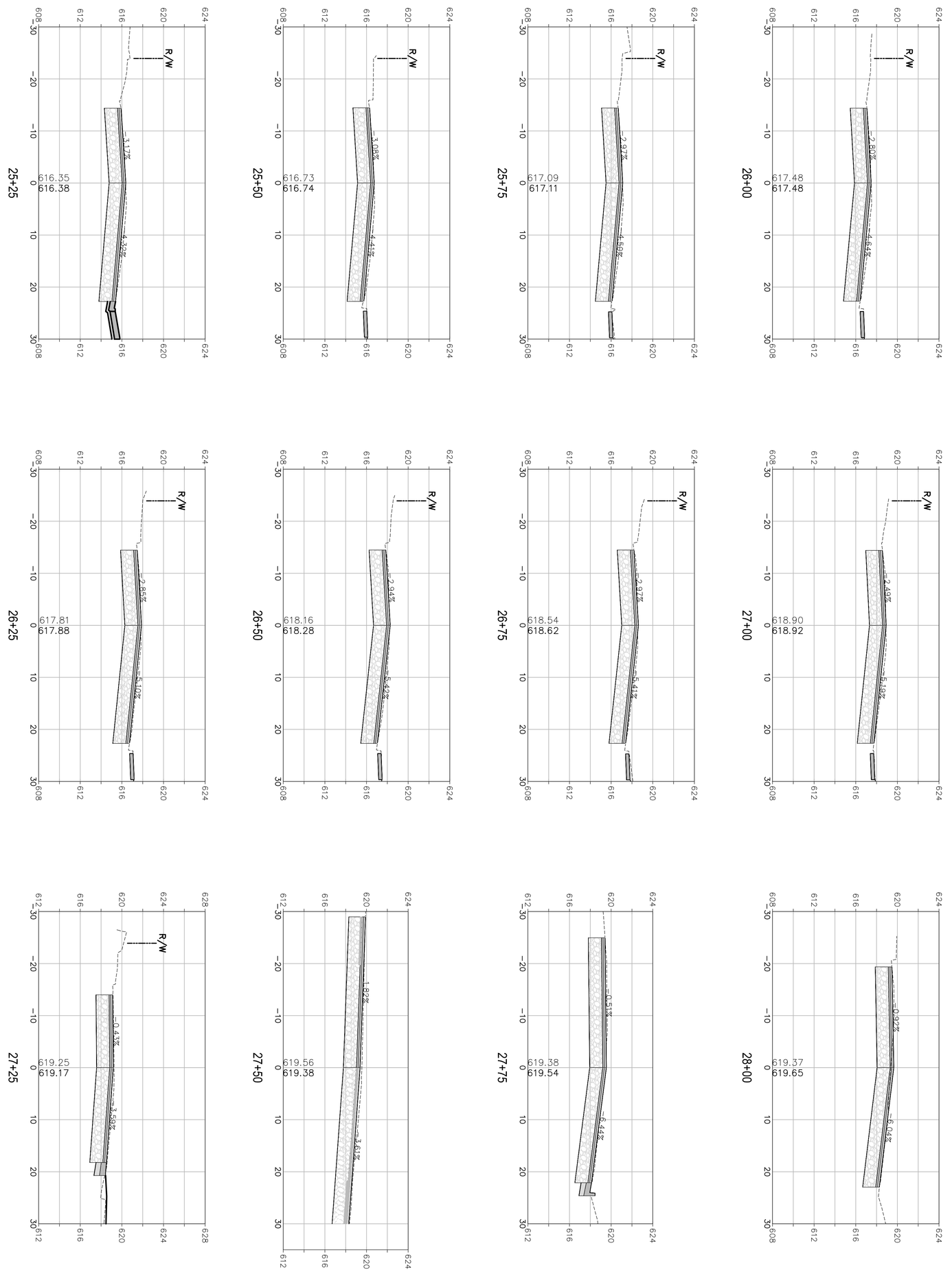
DESIGNED BY	DRAWN BY	REVIEWED BY
WJK/SF	WJK/SF	SRV

REGISTERED PROFESSIONAL ENGINEER
STEVEN R. VAN SAUN
No. C 86180
CIVIL
STATE OF CALIFORNIA

Xrefs: CCE-ENGINEERS STAMPS-PLAN.dwg;294799-TP.dwg;294799-TP2.dwg;294799-RAMP.dwg;294799-Stripe.dwg;294799-ROAD-HATCH.dwg
Images: SVS Signature-blue.jpg;SVS Signature-blue.jpg;
Path: F:\Civil 3D Projects\294799 Main St Utility Imp\DWG\294799-CORR.dwg Layout Name: SHT-131 Plot Date: Sep 27, 2023 at 09:44 am

FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES 0 1 2 3

ORIGINAL PLOT DATE:



CROSS SECTION SCALES
HORIZ.: 1" = 10' VERT.: 1" = 5'

URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT
SPECIFICATION NO. 23-07
CITY OF UKIAH CALIFORNIA

MAIN STEET CROSS SECTIONS
STA 25+25 TO STA 28+00

SHEET NUMBER 131 OF 143

DRAWING DATE SEPTEMBER 2023

PROJECT NUMBER 29-4799

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PREPARED UNDER THE DIRECTION OF

09/27/2023
STEVEN R. VAN SAUN, RCE 86180 DATE

DESIGNED BY	DRAWN BY	REVIEWED BY
WJK/SF	WJK/SF	SRV

REGISTERED PROFESSIONAL ENGINEER
STEVEN R. VAN SAUN
No. C 86180
CIVIL
STATE OF CALIFORNIA

Xrefs: CCE-ENGINEERS STAMPS-PLAN.dwg;294799-TP.dwg;294799-TP2.dwg;294799-RAMP.dwg;294799-Stripe.dwg;294799-ROAD-HATCH.dwg
Images: SVS Signature-blue.jpg;SVS Signature-blue.jpg;
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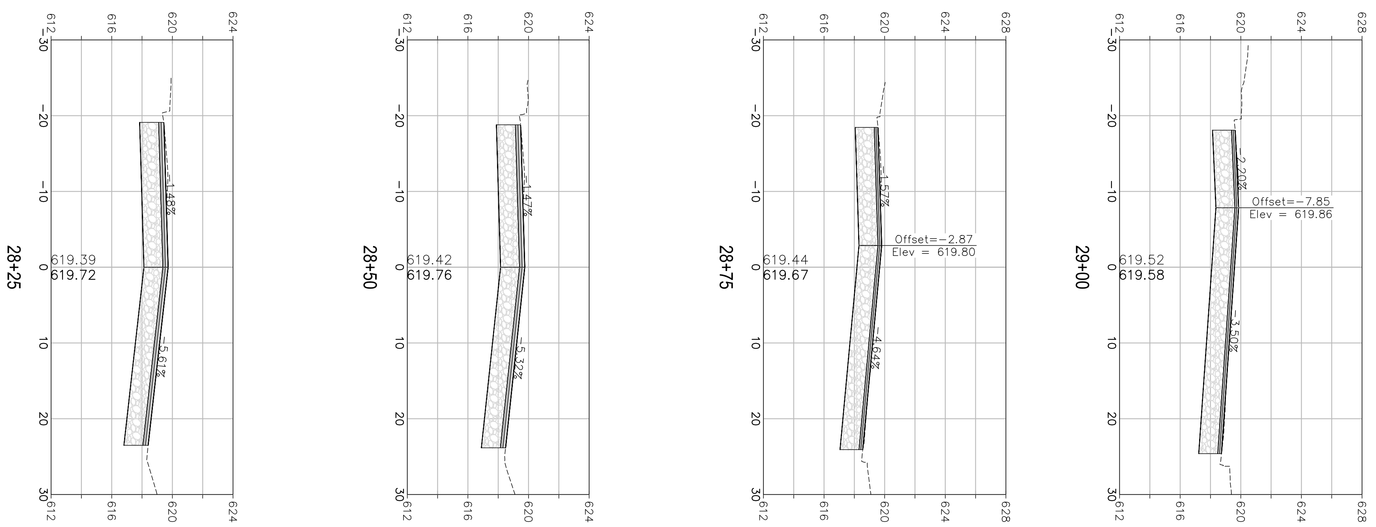
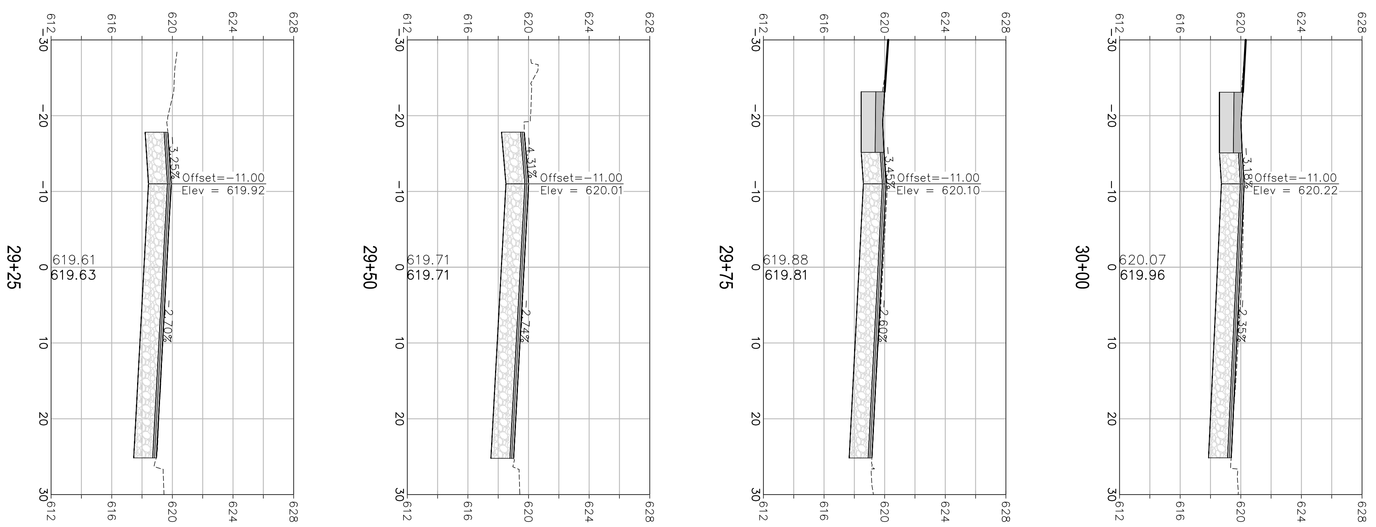
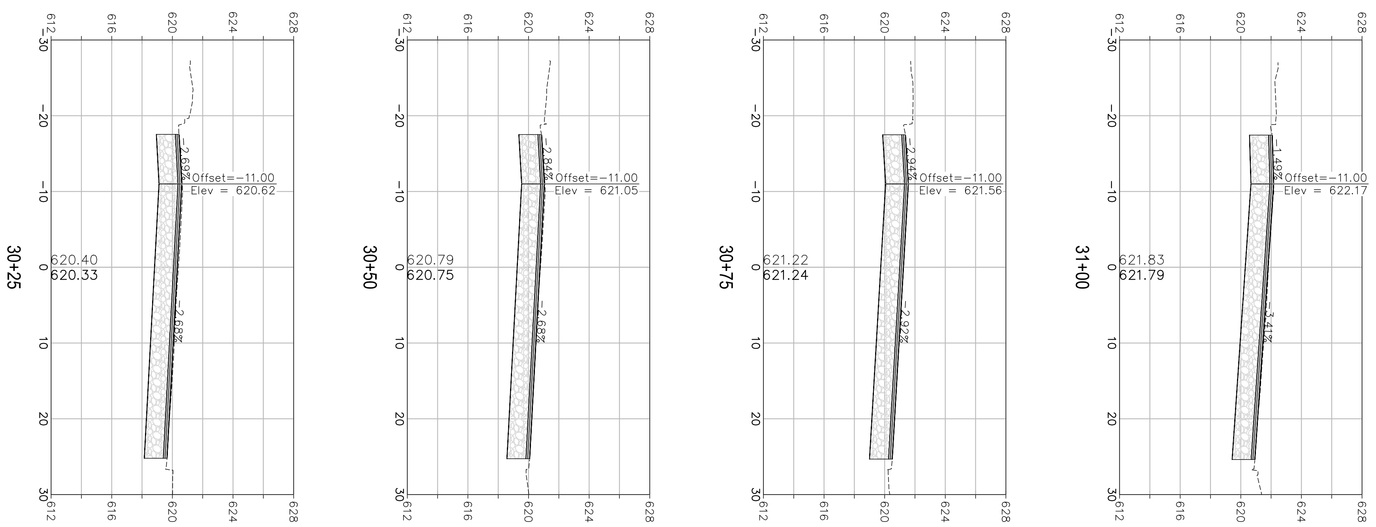
FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES 0 1 2 3

ORIGINAL PLOT DATE:







CROSS SECTION SCALES
HORZ: 1" = 10'
VERT: 1" = 5'

URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT
SPECIFICATION NO. 23-07
CITY OF UKIAH CALIFORNIA

MAIN STEET CROSS SECTIONS
STA 28+25 TO STA 31+00

SHEET NUMBER 132 OF 143
DRAWING DATE SEPTEMBER 2023
PROJECT NUMBER 29-4799

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PREPARED UNDER THE DIRECTION OF
09/27/2023
STEVEN R. VAN SAUN, RCE 86180 DATE

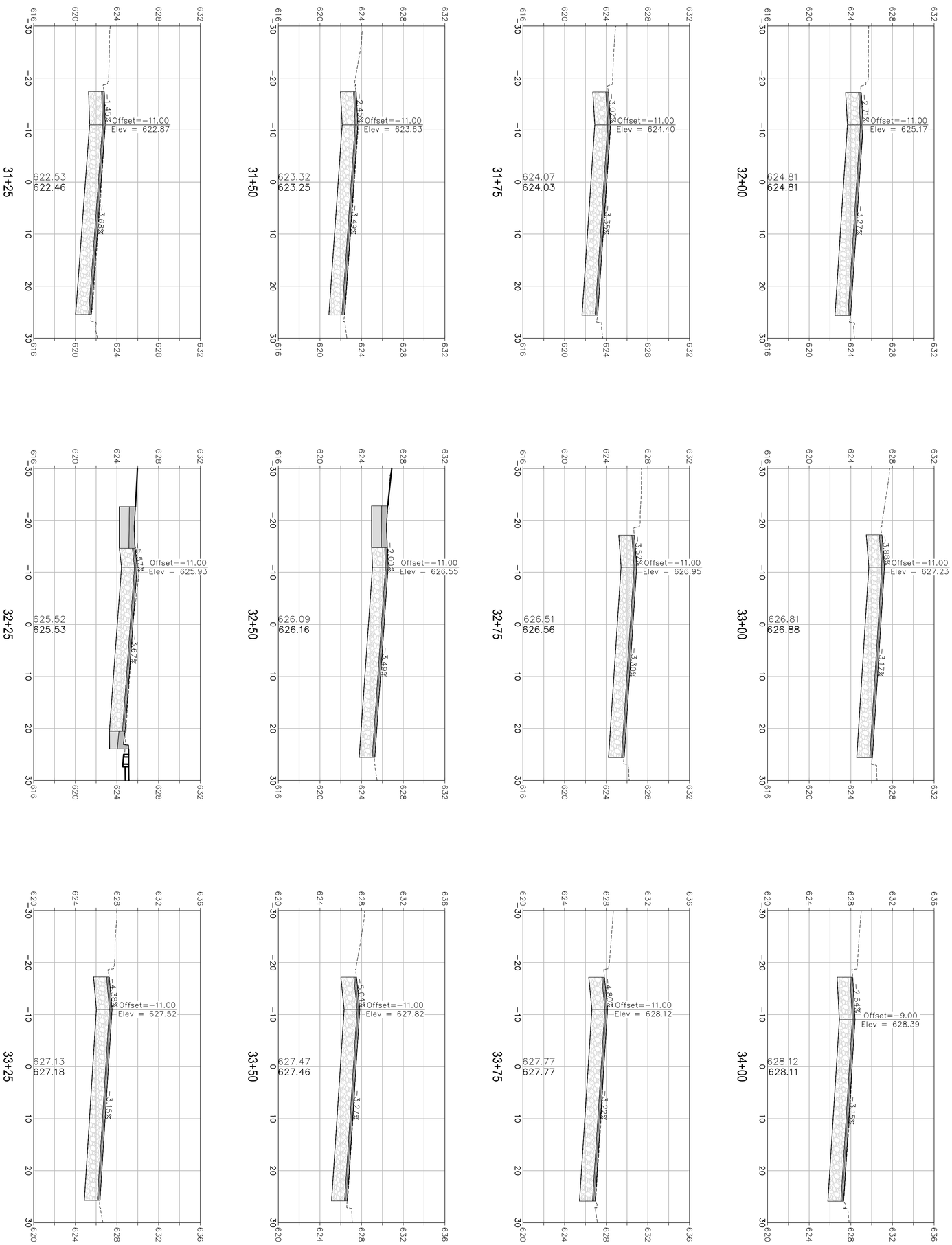
DESIGNED BY	DRAWN BY	REVIEWED BY
WJK/SF	WJK/SF	SRV

REGISTERED PROFESSIONAL ENGINEER STEVEN R. VAN SAUN No. C 86180 CIVIL STATE OF CALIFORNIA

Xrefs: CCE-ENGINEERS STAMPS-PLAN.dwg;294799-TP.dwg;294799-TP2.dwg;294799-RAMP.dwg;294799-Stripe.dwg;294799-ROAD-HATCH.dwg
Images: SVS Signature-blue.jpg;SVS Signature-blue.jpg;
Path: F:\Civil 3D Projects\294799 Main St Utility Imp\DWG\294799-CORR.dwg Layout Name: SHT-133 Plot Date: Sep 27, 2023 at 09:45 am

FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES 0 1 2 3

ORIGINAL PLOT DATE:



CROSS SECTION SCALES
HORIZ.: 1" = 10'
VERT.: 1" = 5'

URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT
SPECIFICATION NO. 23-07

CITY OF UKIAH CALIFORNIA

MAIN STEET CROSS SECTIONS
STA 31+25 TO STA 34+00

SHEET NUMBER 133 OF 143

DRAWING DATE: SEPTEMBER 2023

PROJECT NUMBER: 29-4799

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1400 Neotomas Avenue
Santa Rosa, CA 95405
707.571.8005 | coastlandcivil.com

PREPARED UNDER THE DIRECTION OF

09/27/2023
STEVEN R. VAN SAUN, RCE 86180 DATE

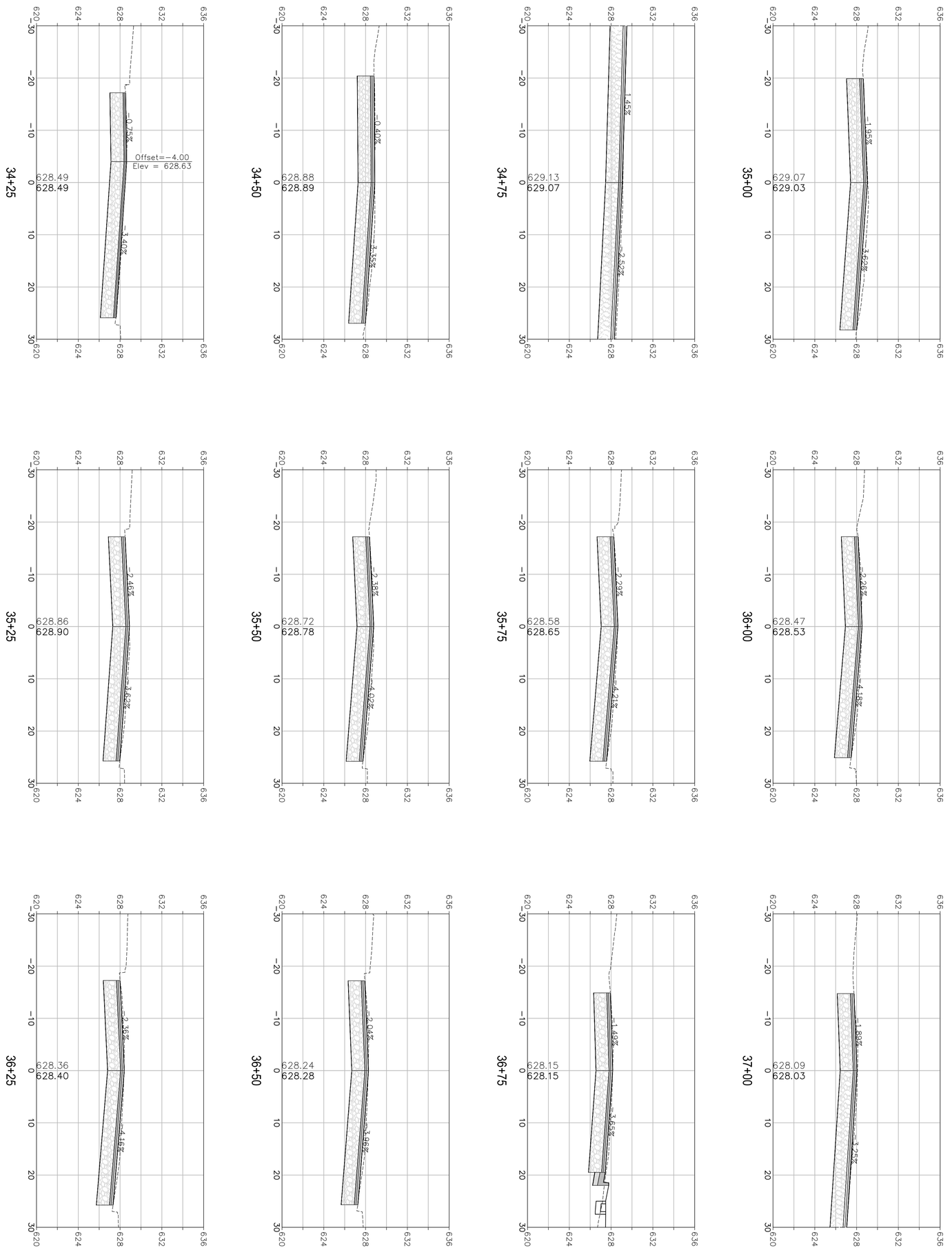
DESIGNED BY	DRAWN BY	REVIEWED BY
WJK/SF	WJK/SF	SRV

REGISTERED PROFESSIONAL ENGINEER STEVEN R. VAN SAUN No. C 86180 CIVIL STATE OF CALIFORNIA

Xrefs: CCE-ENGINEERS STAMPS-PLAN.dwg;294799-TP.dwg;294799-TP2.dwg;294799-RAMP.dwg;294799-Stripe.dwg;294799-ROAD-HATCH.dwg
Images: SVS Signature-blue.jpg;SVS Signature-blue.jpg;
Path: F:\Civil 3D Projects\294799 Main St Utility Imp\DWG\294799-CORR.dwg Layout Name: SHT-134 Plot Date: Sep 27, 2023 at 09:45 am

FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES 0 1 2 3

ORIGINAL PLOT DATE:



CROSS SECTION SCALES
HORIZ.: 1" = 10' VERT.: 1" = 5'

URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT
SPECIFICATION NO. 23-07
CITY OF UKIAH CALIFORNIA

MAIN STEET CROSS SECTIONS
STA 34+25 TO STA 37+00

SHEET NUMBER 134 OF 143
DRAWING DATE SEPTEMBER 2023
PROJECT NUMBER 29-4799

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09/27/2023
STEVEN R. VAN SAUN, RCE 86180 DATE

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Xrefs: CCE-ENGINEERS STAMPS-PLAN.dwg;294799-TP.dwg;294799-TP2.dwg;294799-RAMP.dwg;294799-Stripe.dwg;294799-ROAD-HATCH.dwg
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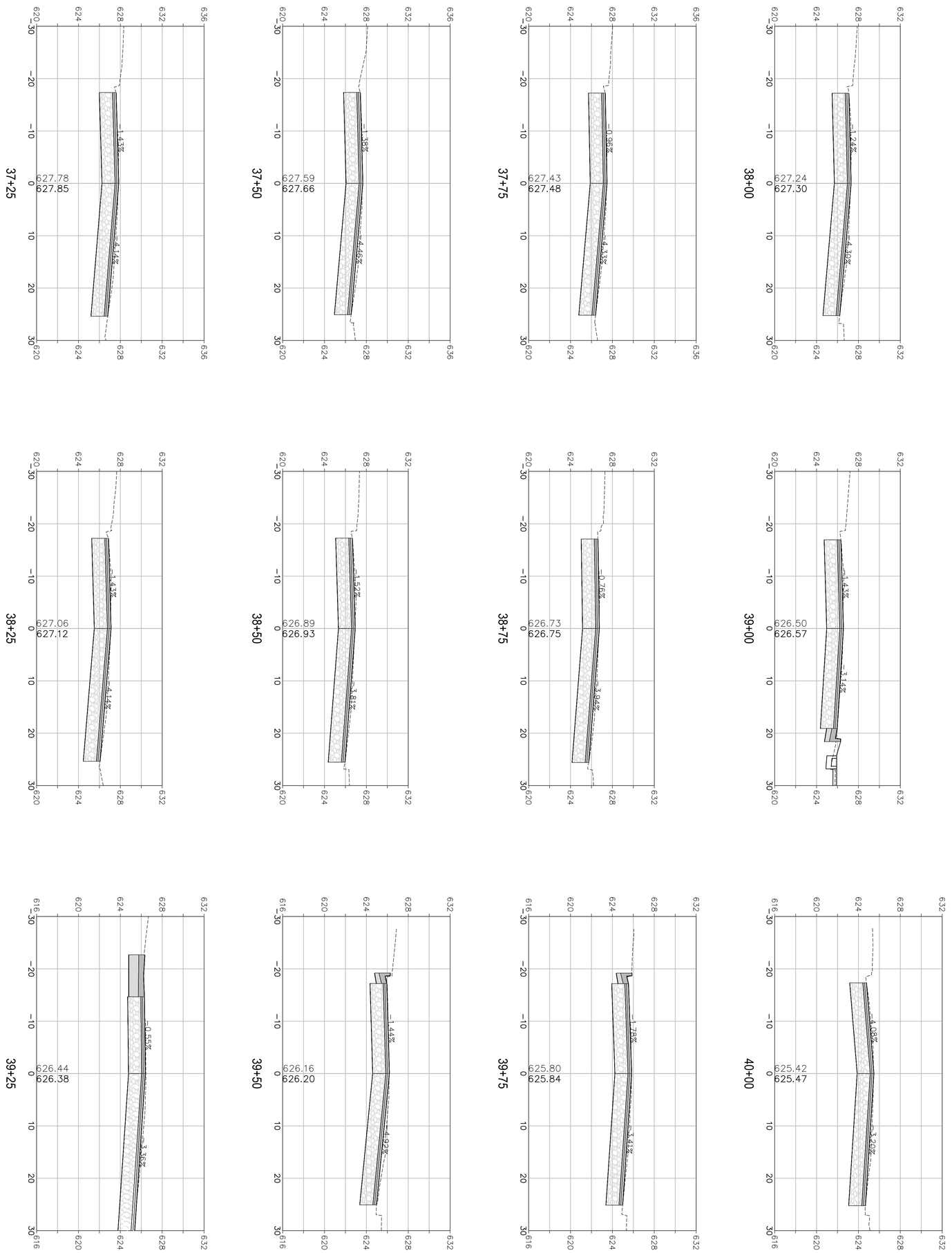

CROSS SECTION SCALES
HORIZ.: 1" = 10' VERT.: 1" = 5'

URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT
SPECIFICATION NO. 23-07
CITY OF UKIAH CALIFORNIA

MAIN STEET CROSS SECTIONS
STA 37+25 TO STA 40+00

SHEET NUMBER 135 OF 143

DRAWING DATE SEPTEMBER 2023

PROJECT NUMBER 29-4799

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09/27/2023
STEVEN R. VAN SAUN, RCE 86180 DATE

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Xrefs: CCE-ENGINEERS STAMPS-PLAN.dwg;294799-TP.dwg;294799-TP2.dwg;294799-RAMP.dwg;294799-Stripe.dwg;294799-ROAD-HATCH.dwg
Images: SVS Signature-blue.jpg;SVS Signature-blue.jpg;
Path: F:\Civil 3D Projects\294799 Main St Utility Imp\DWG\294799-CORR.dwg Layout Name: SHT-136 Plot Date: Sep 27, 2023 at 09:45 am

FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES 0 1 2 3

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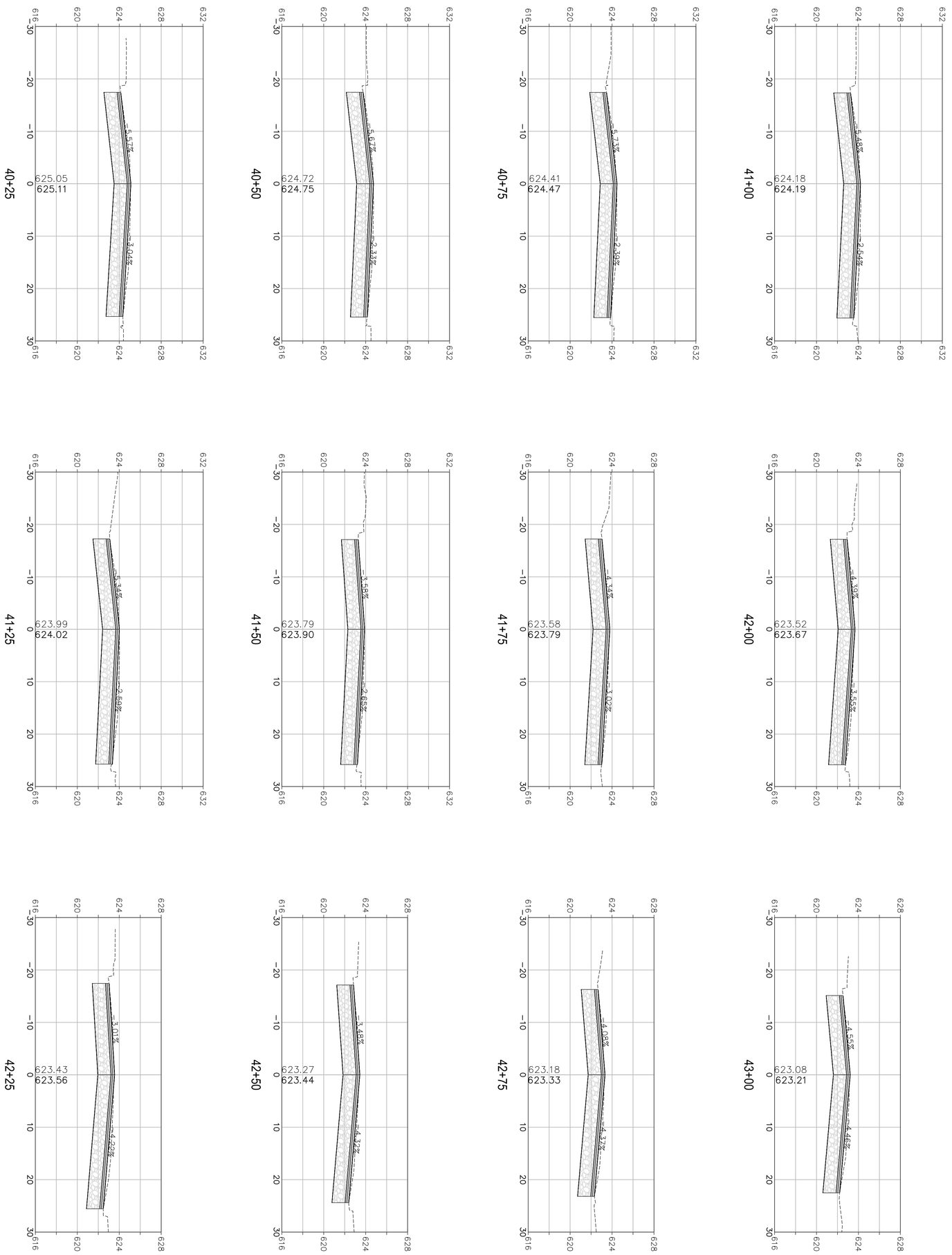

URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT
SPECIFICATION NO. 23-07
CITY OF UKIAH CALIFORNIA

MAIN STEET CROSS SECTIONS
STA 40+25 TO STA 43+00

SHEET NUMBER 136 OF 143
DRAWING DATE SEPTEMBER 2023
PROJECT NUMBER 29-4799

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09/27/2023
STEVEN R. VAN SAUN, RCE 86180 DATE

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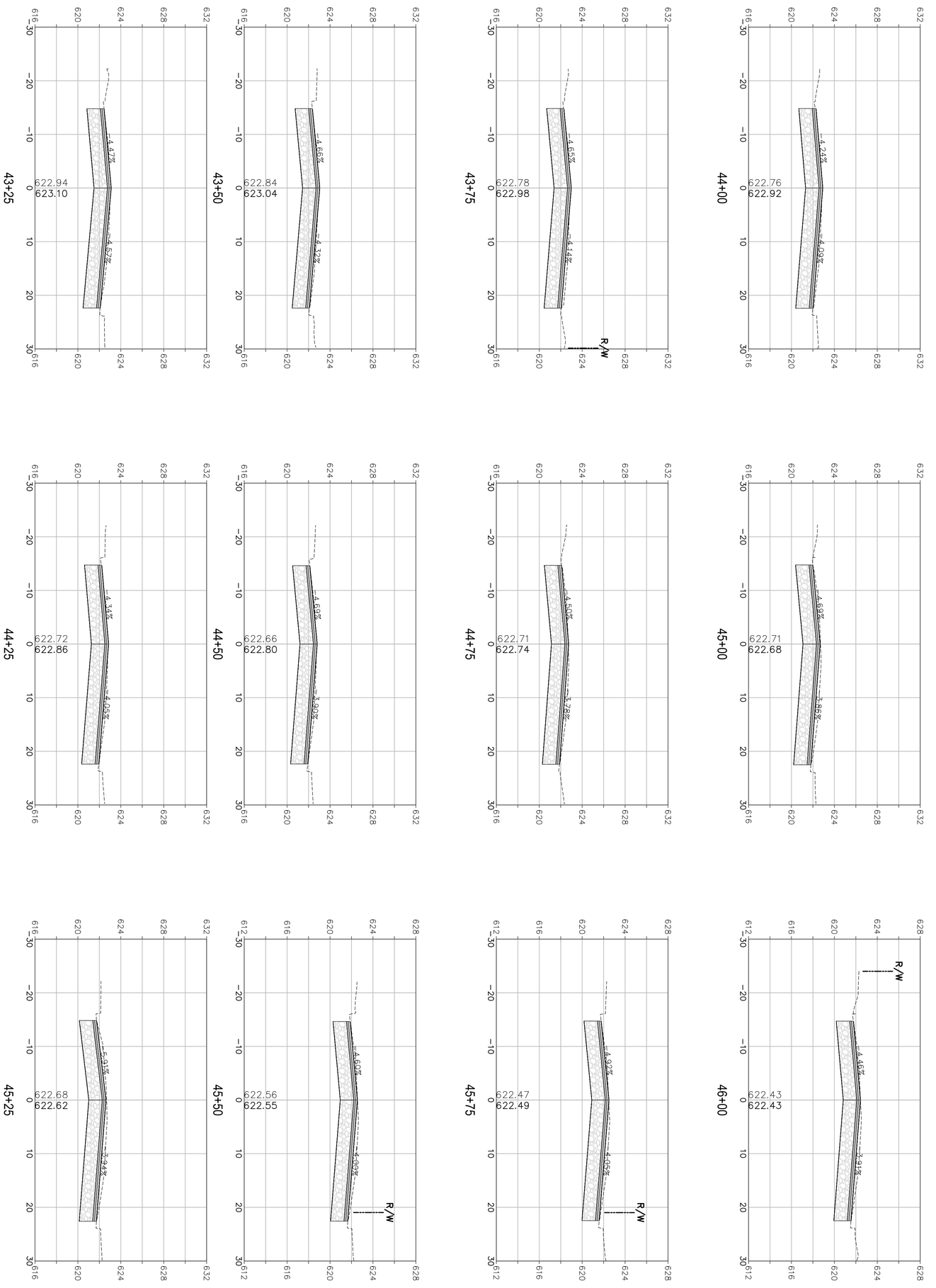
STEVEN R. VAN SAUN
No. C 86180
CIVIL
STATE OF CALIFORNIA

Xrefs: CCE-ENGINEERS STAMPS-PLAN.dwg;294799-TP.dwg;294799-TP2.dwg;294799-RAMP.dwg;294799-Stripe.dwg;294799-ROAD-HATCH.dwg
Images: SVS Signature-blue.jpg;SVS Signature-blue.jpg;
Path: F:\Civil 3D Projects\294799 Main St Utility Imp\DWG\294799-CORR.dwg Layout Name: SHT-137 Plot Date: Sep 27, 2023 at 09:45 am

FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES 0 1 2 3

ORIGINAL PLOT DATE:



CROSS SECTION SCALES
HORIZ.: 1" = 10' VERT.: 1" = 5'

URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT
SPECIFICATION NO. 23-07
CITY OF UKIAH CALIFORNIA

MAIN STEET CROSS SECTIONS
STA 43+25 TO STA 46+00

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STEVEN R. VAN SAUN, RCE 86180 DATE

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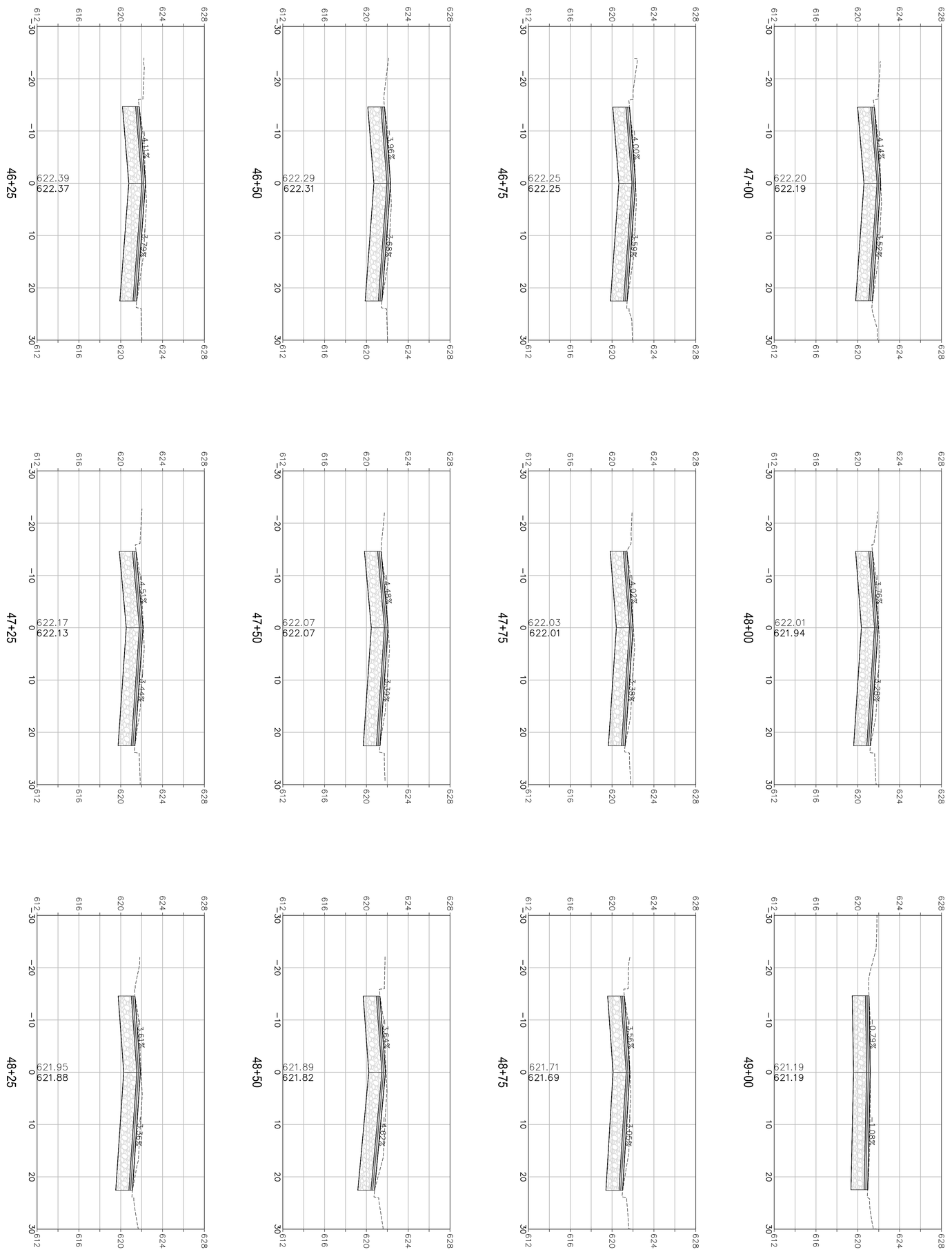
STEVEN R. VAN SAUN
No. C 86180
CIVIL
STATE OF CALIFORNIA

PROJECT NUMBER 29-4799
DRAWING DATE SEPTEMBER 2023
SHEET NUMBER 137 OF 143

Xrefs: CCE-ENGINEERS STAMPS-PLAN.dwg;294799-TP.dwg;294799-TP2.dwg;294799-RAMP.dwg;294799-Stripe.dwg;294799-ROAD-HATCH.dwg
Images: SVS Signature-blue.jpg;SVS Signature-blue.jpg;
Path: F:\Civil 3D Projects\294799 Main St Utility Imp\DWG\294799-CORR.dwg Layout Name: SHT-138 Plot Date: Sep 27, 2023 at 09:45 am

FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES 0 1 2 3

ORIGINAL PLOT DATE:



CROSS SECTION SCALES
HORIZ.: 1" = 10' VERT.: 1" = 5'

URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT
SPECIFICATION NO. 23-07
CITY OF UKIAH CALIFORNIA

MAIN STEET CROSS SECTIONS
STA 46+25 TO STA 49+00

PROJECT NUMBER 294799
DRAWING DATE SEPTEMBER 2023
SHEET NUMBER 138 OF 143

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PREPARED UNDER THE DIRECTION OF
STEVEN R. VAN SAUN, RCE 86180 DATE 09/27/2023

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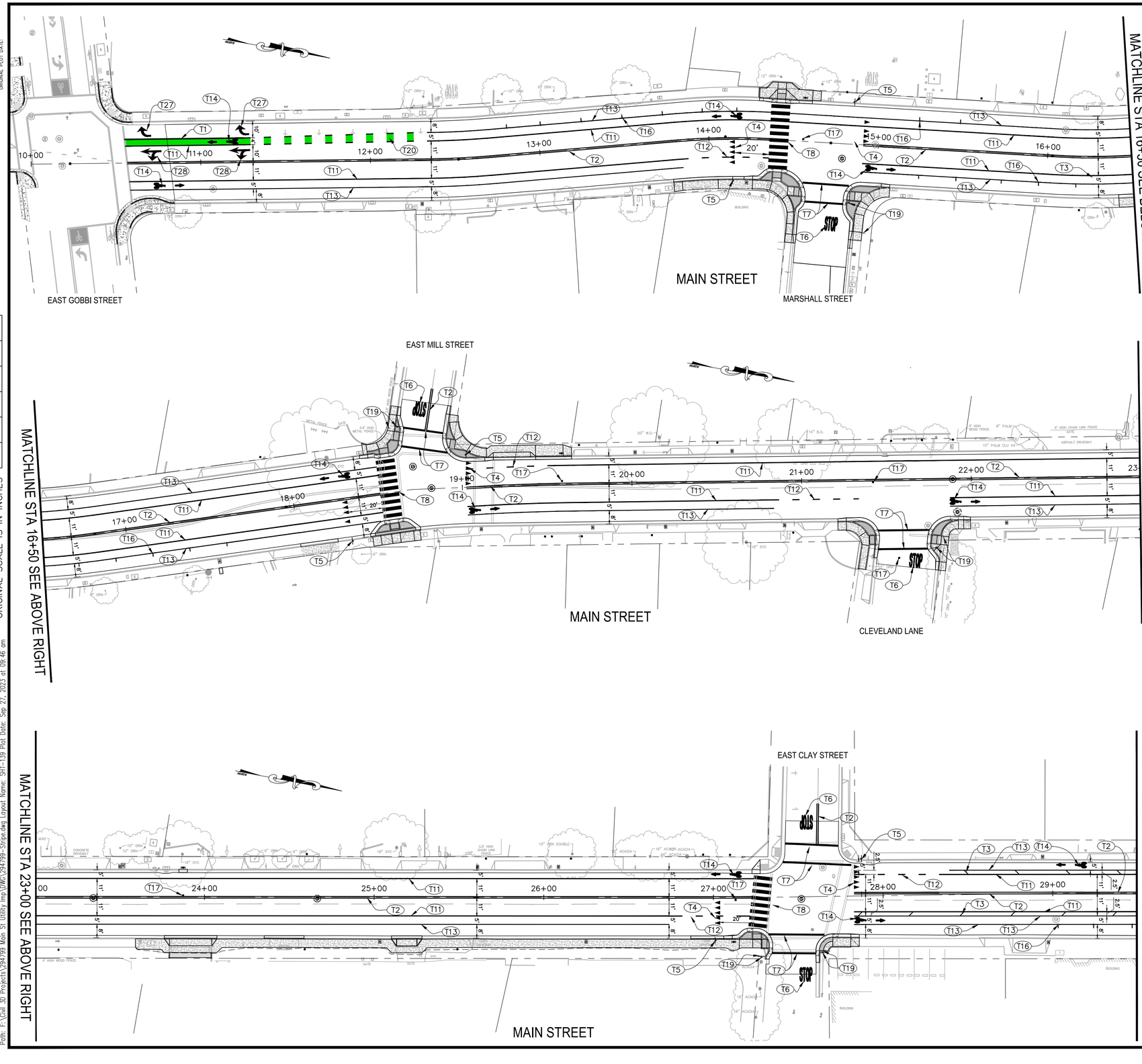
STEVEN R. VAN SAUN
No. C 86180
CIVIL
STATE OF CALIFORNIA



GRAPHIC SCALE

0 15 30 60

(IN FEET)
1 inch = 30 ft.

CONSTRUCTION NOTES:

- T1 INSTALL THERMOPLASTIC DETAIL 38 PER CALTRANS STD PLAN A20D.
- T2 INSTALL THERMOPLASTIC DETAIL 22, WITH 4-INCH STRIPES PER CALTRANS STD PLAN A20A.
- T3 INSTALL THERMOPLASTIC 4-INCH WHITE LINE AT A 45-DEGREE ANGLE SPACED AT 30-FT AS SHOWN.
- T4 INSTALL WHITE THERMOPLASTIC YIELD LINE PER CALTRANS STD PLAN A24E.
- T5 INSTALL ROAD SIGN R1-5A ON NEW POST PER CITY DWG 120.
- T6 INSTALL THERMOPLASTIC STOP MARKING PER CALTRANS STD PLAN A24D.
- T7 INSTALL THERMOPLASTIC CROSSWALK/LIMIT LINE PER CALTRANS STD PLAN A24E.
- T8 INSTALL THERMOPLASTIC CONTINENTAL CROSSWALK PER CALTRANS STD PLAN A24F.
- T11 INSTALL THERMOPLASTIC DETAIL 39 PER CALTRANS STD PLAN A20D.
- T12 INSTALL THERMOPLASTIC DETAIL 39A PER CALTRANS STD PLAN A20D.
- T13 INSTALL THERMOPLASTIC 4-INCH WHITE LINE.
- T14 INSTALL BIKE LANE ARROW AND BIKE LANE SYMBOL WITH PERSON PER CALTRANS STD PLAN A24A AND A24C, RESPECTIVELY.
- T16 INSTALL 4" WHITE PARALLEL PARKING STALL STRIPING PER DETAIL 8/141
- T17 INSTALL BLUE TWO-WAY RETROREFLECTIVE MARKER.
- T19 RELOCATE EXISTING SIGN ON NEW POST AS SHOWN PER CITY DWG 120.
- T20 INSTALL GREEN DASHED BIKE LANE PER DETAIL 9/141
- T22 INSTALL ROAD SIGN R81(CA) & R81A(CA) ON NEW POST PER CITY DWG 120.
- T23 INSTALL ROAD SIGN R81(CA) & R81B(CA) ON NEW POST PER CITY DWG 120.
- T27 INSTALL THERMOPLASTIC TYPE IV (R) ARROW PER CALTRANS STD PLAN A24A.
- T28 INSTALL THERMOPLASTIC TYPE VII (L) ARROW PER CALTRANS STD PLAN A24A.

REGISTERED PROFESSIONAL ENGINEER STEVEN R. VAN SAUN No. C 86180 CIVIL STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF
STEVEN R. VAN SAUN, RCE 86180 DATE 09/27/2023

DESIGNED BY	DRAWN BY	REVIEWED BY
WJK/SF	WJK/SF	SRV

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URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT
SPECIFICATION NO. 23-07
CITY OF UKIAH CALIFORNIA

STRIPING & SIGNING PLAN
STA 10+00 TO STA 29+50

PROJECT NUMBER
29-4799

DRAWING DATE
SEPTEMBER 2023

SHEET NUMBER
139 OF 143

ORIGINAL PLOT DATE:

FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES 0 1 2 3

Xrefs: CCE-ENGINEERS STAMPS-PLAN.dwg;294799-TP.dwg;294799-SP.dwg;294799-TP2.dwg;294799-RAMP.dwg;210758_IMPR.dwg;294799-RAMP-2.dwg;294799-SHT-1.dwg;294799-ROAD-HATCH.dwg
Images: SVS Signature-blue.jpg;SVS Signature-blue.jpg;SVS Signature-blue.jpg;
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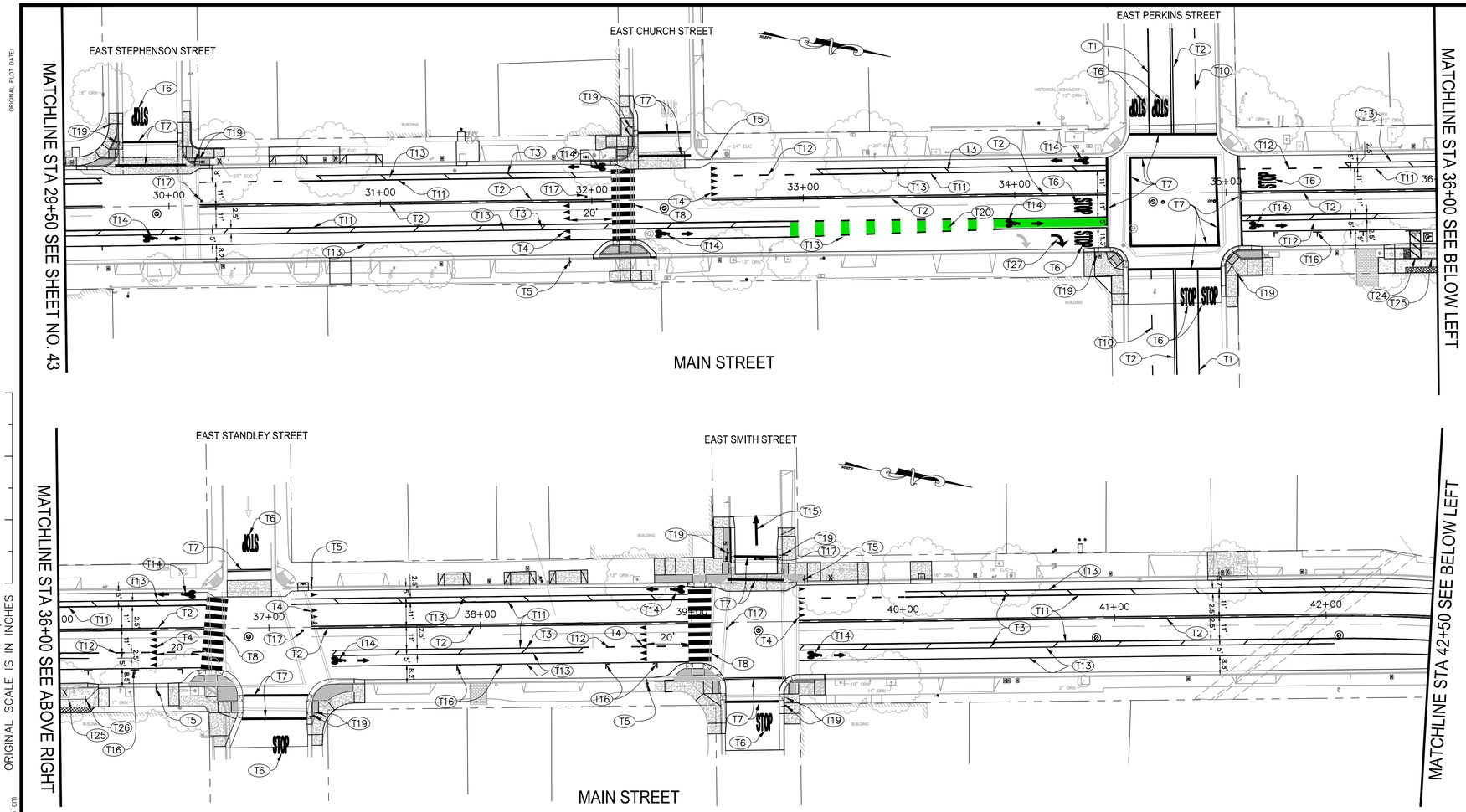

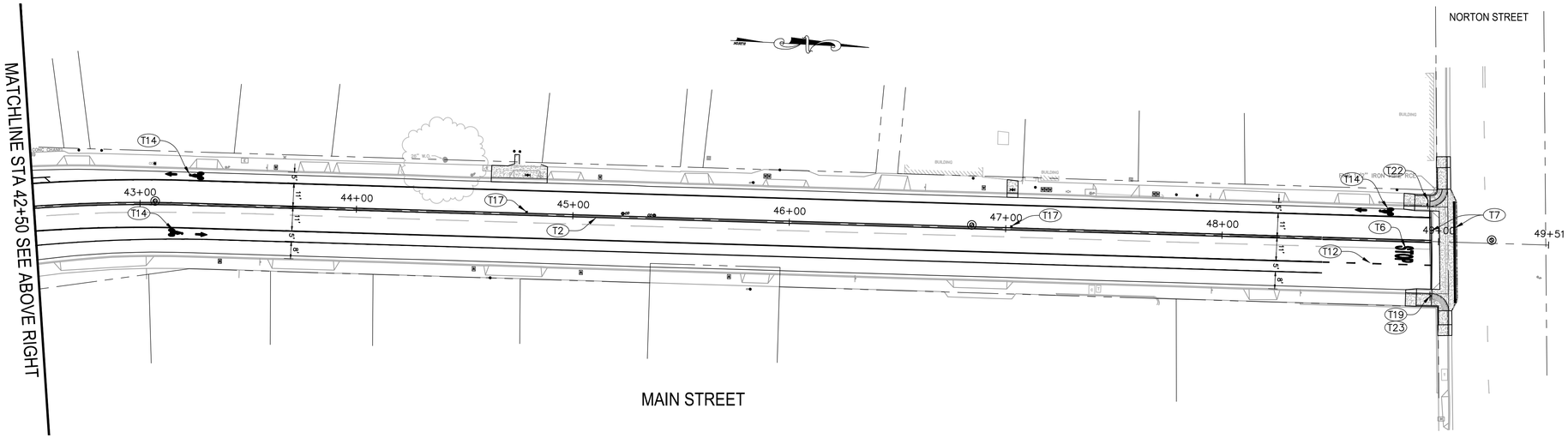

GRAPHIC SCALE

0 15 30 60

(IN FEET)
1 inch = 30 ft.

CONSTRUCTION NOTES:

(T1) INSTALL THERMOPLASTIC DETAIL 38 PER CALTRANS STD PLAN A20D.

(T2) INSTALL THERMOPLASTIC DETAIL 22, WITH 4–INCH STRIPES PER CALTRANS STD PLAN A20A.

(T3) INSTALL THERMOPLASTIC 4–INCH WHITE LINE AT A 45–DEGREE ANGLE SPACED AT 30–FT AS SHOWN.

(T4) INSTALL WHITE THERMOPLASTIC YIELD LINE PER CALTRANS STD PLAN A24E.

(T5) INSTALL ROAD SIGN R1–5A ON NEW POST PER CITY DWG 120.

(T6) INSTALL THERMOPLASTIC STOP MARKING PER CALTRANS STD PLAN A24D.

(T7) INSTALL THERMOPLASTIC CROSSWALK/LIMIT LINE PER CALTRANS STD PLAN A24E.

(T8) INSTALL THERMOPLASTIC CONTINENTAL CROSSWALK PER CALTRANS STD PLAN A24F.

(T11) INSTALL THERMOPLASTIC DETAIL 39 PER CALTRANS STD PLAN A20D.

(T12) INSTALL THERMOPLASTIC DETAIL 39A PER CALTRANS STD PLAN A20D.

(T13) INSTALL THERMOPLASTIC 4–INCH WHITE LINE.

(T14) INSTALL BIKE LANE ARROW AND BIKE LANE SYMBOL WITH PERSON PER CALTRANS STD PLAN A24A AND A24C, RESPECTIVELY.

(T15) INSTALL THERMOPLASTIC TYPE I (10') ARROW PER CALTRANS STD PLAN A24A.

(T16) INSTALL 4" WHITE PARALLEL PARKING STALL STRIPING PER DETAIL 8/141

(T17) INSTALL BLUE TWO–WAY RETROREFLECTIVE MARKER.

(T18) RESET EXISTING SIGN AS SHOWN PER CITY DWG 120.

(T19) RELOCATE EXISTING SIGN ON NEW POST AS SHOWN PER CITY DWG 120.

(T20) INSTALL GREEN DASHED BIKE LANE PER DETAIL 9/141

(T22) INSTALL ROAD SIGN R81(CA) & R81A(CA) ON NEW POST PER CITY DWG 120.

(T23) INSTALL ROAD SIGN R81(CA) & R81B(CA) ON NEW POST PER CITY DWG 120.

(T24) INSTALL CONVENTIONAL UNLOADING ZONE MARKINGS AND STRIPING PER CALTRANS STD PLAN A90B.

(T25) PAINT CURB BLUE PER CALTRANS STD PLAN A90B.

(T26) INSTALL INTERNATIONAL SYMBOL OF ACCESSIBILITY PARKING SIGN R99C (CA) ON NEW POST PER CALTRANS STD PLAN A90B AND CITY DWG 120.

(T27) INSTALL THERMOPLASTIC TYPE IV (R) ARROW PER CALTRANS STD PLAN A24A.

PROFESSIONAL ENGINEER — STEVEN R. VAN SAUN — No. C 86180 — CIVIL — STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF
STEVEN R. VAN SAUN, RCE 86180 DATE 09/27/2023

DESIGNED BY WJK/SF | DRAWN BY WJK/SF | REVIEWED BY SRV

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1400 Neotomas Avenue
Santa Rosa, CA 95405
707.571.8005 | coastlandcivil.com

URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT
SPECIFICATION NO. 23-07
CITY OF UKIAH CALIFORNIA

STRIPING & SIGNING PLAN STA 29+50 TO STA 49+50

PROJECT NUMBER 29-4799

DRAWING DATE SEPTEMBER 2023

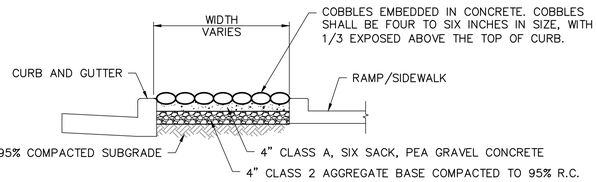
SHEET NUMBER 140 OF 143

ORIGINAL PLOT DATE:

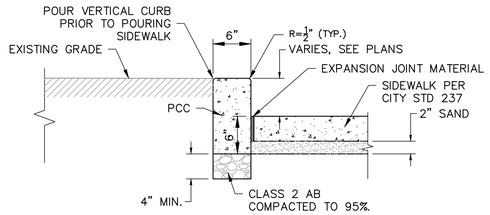
ORIGINAL SCALE IS IN INCHES 0 1 2 3

Xrefs: CCE-ENGINEERS STAMPS-PLAN.dwg;294799-TP.dwg;294799-SP.dwg;294799-TP2.dwg;294799-RAMP.dwg;210758_IMPR.dwg;294799-RAMP-2.dwg;294799-SHT-140.dwg
Images: SVG Signature-blue.jpg;SVG Signature-blue.jpg;SVG Signature-blue.jpg;
Path: F:\Civil 3D Projects\294799 Main St Utility Imp\DWG\294799-Stripe.dwg Layout Name: SHT-140 Plot Date: Sep 27, 2023 at 09:46 am

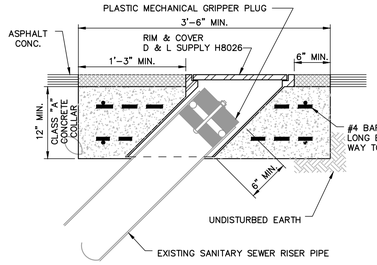
ORIGINAL PLOT DATE:
FOR REDUCED PLANS, THE 0 1 2 3
ORIGINAL SCALE IS IN INCHES



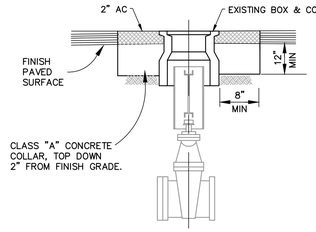
COBBLE NON-WALKABLE SURFACE DETAIL 1
NOT TO SCALE



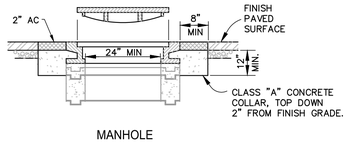
VERTICAL CURB AT SIDEWALK DETAIL 2
NOT TO SCALE



SEWER CLEANOUT

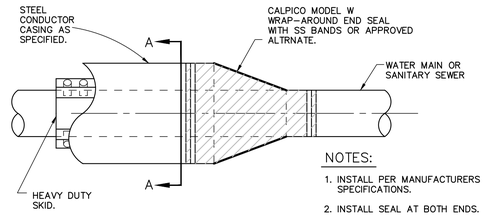


VALVE BOX & COVER



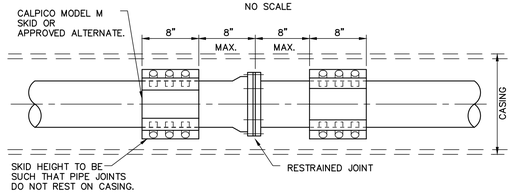
MANHOLE

ADJUST TO GRADE EXISTING STREET APPURTENANCES 3
NOT TO SCALE

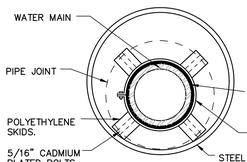


NOTES:
1. INSTALL PER MANUFACTURERS SPECIFICATIONS.
2. INSTALL SEAL AT BOTH ENDS.

DIRT STOP DETAIL
NO SCALE



PIPE JOINT AND INSULATOR
NO SCALE

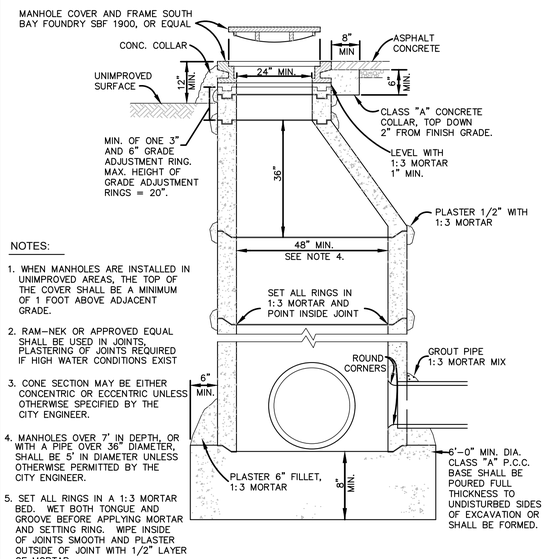


SECTION "A-A"
NO SCALE

MINIMUM SIZE CASING REQUIRED							
PIPE SIZE	6"	8"	12"	14"	16"	18"	20"
CASING SIZE (INSIDE DIA.)	12"	16"	20"	24"	30"	36"	36"
CASING WALL THICKNESS	.375	.375	.375	.375	.500	.560	.560

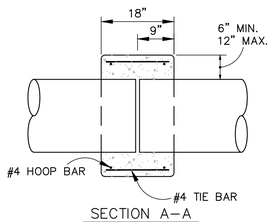
NOTES:
1. INSTALL PER MANUFACTURERS SPECIFICATIONS.
2. SEE GENERAL CONST. NOTES.
3. WHERE CONDUCTOR CASING IS EXISTING R.C.P., REDWOOD SKIDS MAY BE INSTALLED IN LIEU OF POLYETHYLENE SKIDS WITH CITY APPROVAL.

DIRT STOP AND WATER MAIN ENCASEMENT 4
NOT TO SCALE

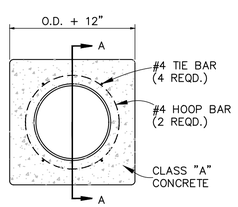


NOTES:
1. WHEN MANHOLES ARE INSTALLED IN UNIMPROVED AREAS, THE TOP OF THE COVER SHALL BE A MINIMUM OF 1 FOOT ABOVE ADJACENT GRADE.
2. RAM-NEK OR APPROVED EQUAL SHALL BE USED IN JOINTS, PLASTERING OF JOINTS REQUIRED IF HIGH WATER CONDITIONS EXIST
3. CONE SECTION MAY BE EITHER CONCENTRIC OR ECCENTRIC UNLESS OTHERWISE SPECIFIED BY THE CITY ENGINEER.
4. MANHOLES OVER 7' IN DEPTH, OR WITH A PIPE OVER 36" DIAMETER, SHALL BE 5' IN DIAMETER UNLESS OTHERWISE PERMITTED BY THE CITY ENGINEER.
5. SET ALL RINGS IN A 1:3 MORTAR BED. WET BOTH TONGUE AND GROOVE BEFORE APPLYING MORTAR AND SETTING RING. WIPE INSIDE OF JOINTS SMOOTH AND PLASTER OUTSIDE OF JOINT WITH 1/2" LAYER OF MORTAR.
6. CONSTRUCT ALL FLOW CHANNELS OF PIPE WHEREVER POSSIBLE. AFTER BASE IS POURED, BREAK OUT TOP HALF OF PIPE FLUSH WITH INSIDE FACE OF M.H. WALL AND CONSTRUCT U-SHAPED CHANNEL. MAKE ELEVATION CHANGES GRADUALLY AND DIRECTIONAL CHANGES WITH SMOOTH CURVES. SET RING BASE IN MORTAR.

STORM DRAIN MANHOLE 5
NOT TO SCALE

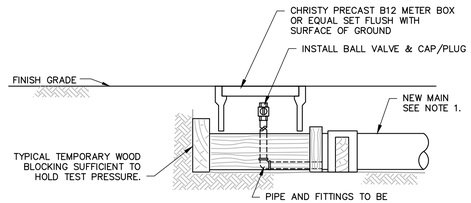


SECTION A-A



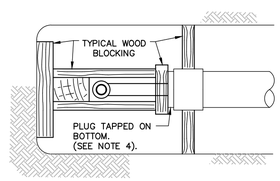
NOTES:
1. PIPE MATERIALS VARY BY LOCATION.

CONCRETE COLLAR DETAIL 6
NOT TO SCALE



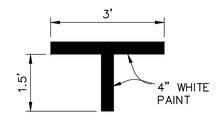
ELEVATION

NOTES:
1. END OF NEW MAIN TO BE ON SAME LINE AND GRADE AS EXISTING WHERE FEASIBLE.
2. WOOD BLOCKING TO BE FOR THRUST PRODUCED BY TEST PRESSURE PLUS 50 P.S.I.
3. SAFE BEARING LOAD OF SOIL FOR HORIZONTAL THRUST SHALL NOT BE EXCEEDED.
4. INSTALL 2" BLOWOFF. ("BLOWOFF" IS PIPE AND FITTINGS, UP TO AND INCLUDING VALVE.)
5. THE CONTRACTOR SHALL MAKE FINAL TIE-INS UNDER THE INSPECTION OF A CITY REPRESENTATIVE.

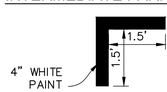


PLAN

TEMPORARY BLOWOFF 7
NOT TO SCALE

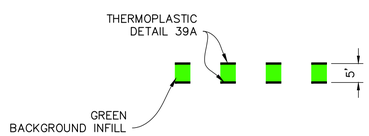


INTERMEDIATE PARKING DETAIL



END PARKING DETAIL

PARALLEL PARKING STRIPING DETAIL 8
NOT TO SCALE



DASHED GREEN BIKE LANE 9
NOT TO SCALE

PREPARED UNDER THE DIRECTION OF
STEVEN R. VAN SAUN, RCE 86180 DATE 09/27/2023
REVIEWED BY SRV
DRAWN BY WJK/SF
DESIGNED BY WJK/SF
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1400 Neotomas Avenue
Santa Rosa, CA 95405
707.571.8005 | coastlandcivil.com

URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT
SPECIFICATION NO. 23-07
CITY OF UKIAH CALIFORNIA

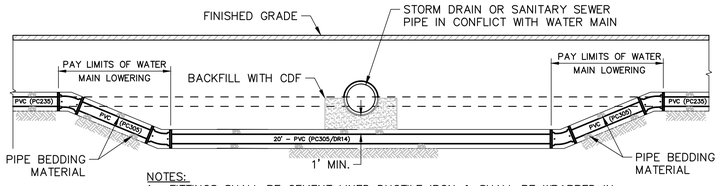
DETAILS - 1

PROJECT NUMBER 29-4799
DRAWING DATE SEPTEMBER 2023
SHEET NUMBER 141 OF 143

URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT

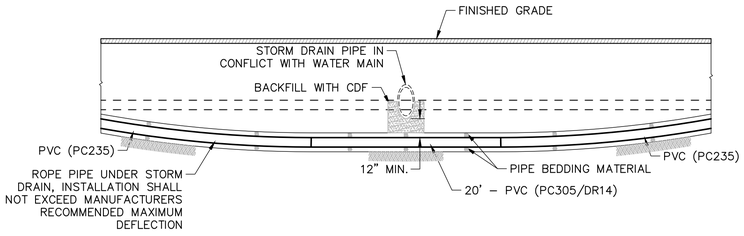
Xrefs: ukiah-base.dwg;CCE-ENGINEERS STAMPS-PLAN.dwg;CCE-ENGINEERS STAMPS-COVER.dwg;294799-TP.dwg;294799-TP2.dwg
Images: SVG Signature-blue.jpg;
Path: F:\Civil 3D Projects\294799 Main St Utility Imp\UWO\294799-COV.dwg Layout Name: DETAILS-SHT-141 Plot Date: Sep 27, 2023 at 09:47 am

FOR REDUCED PLANS, THE 0 ORIGINAL SCALE IS IN INCHES
ORIGINAL PLOT DATE: 0 1 2 3

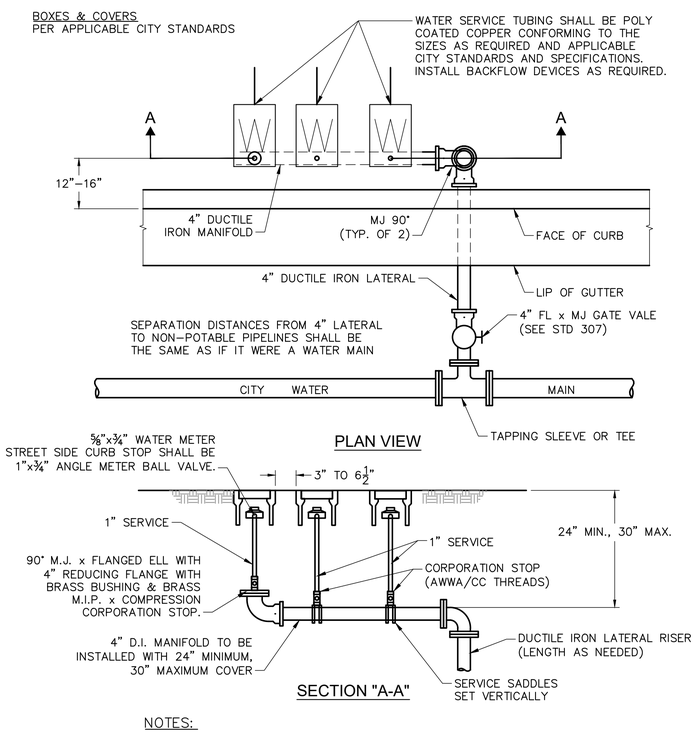


NOTES:
1. FITTINGS SHALL BE CEMENT LINED DUCTILE IRON & SHALL BE WRAPPED IN POLYETHYLENE.
2. ONLY RESTRAINED MECHANICAL JOINT FITTINGS WITH RETAINER GLANDS MAY BE USED.
3. ALL BENDS SHALL BE 45° OR 22-1/2° FITTINGS.

WATER MAIN LOWERING DETAIL 1
NOT TO SCALE

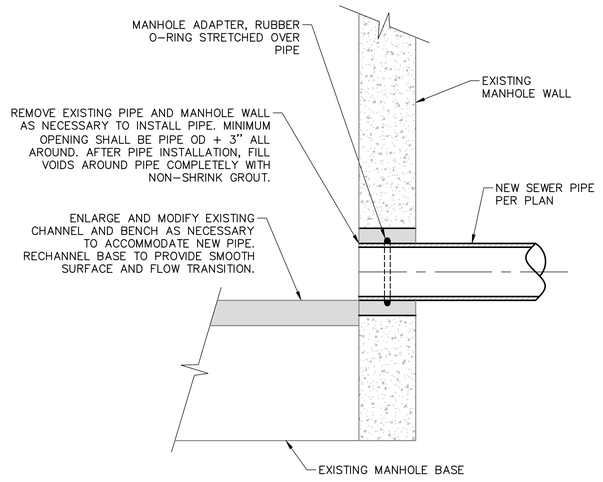


WATER MAIN ROPING DETAIL 2
NOT TO SCALE

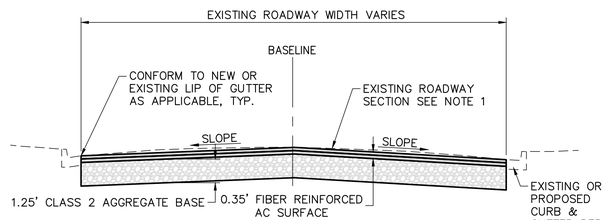


NOTES:
1. SERVICE SADDLE AND CORPORATION STOP PER APPLICABLE CITY STANDARD FOR INDIVIDUAL OR DUAL SERVICE SIZES.
2. RESTRAINED JOINTS ARE REQUIRED FOR ALL NEW CONSTRUCTION FROM GATE VALVE TO END OF 4" MANIFOLD.

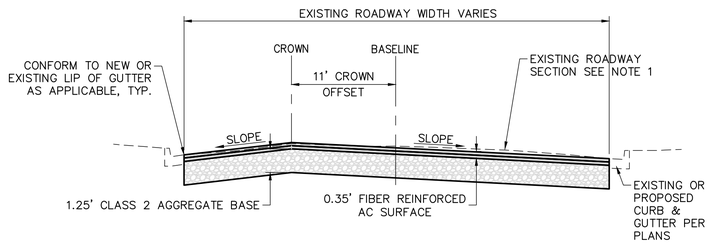
4" MULTI-SERVICE MANIFOLD DETAIL 3
NOT TO SCALE



CONNECT TO EXISTING MANHOLE DETAIL 4
NOT TO SCALE



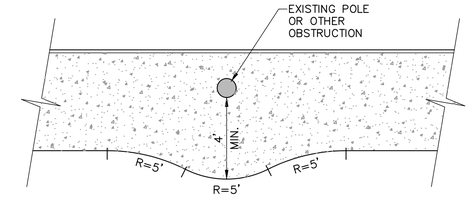
TYPICAL SECTION 1
(STA. 10+73± TO STA. 28+60±)
(STA. 34+45± TO STA. 49+00±)



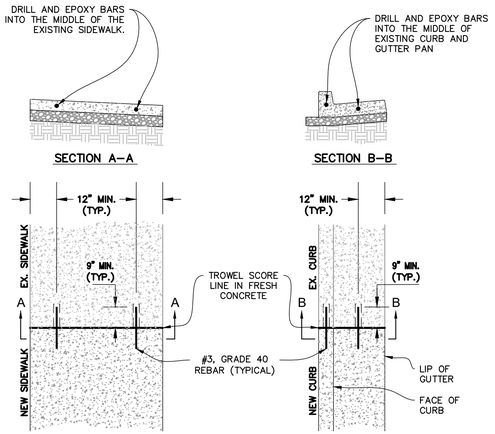
TYPICAL SECTION 2
(STA. 28+60± TO STA. 34+45±)

NOTES:
1. EXISTING ROADWAY CROSS SLOPE VARIES. CONTRACTOR SHALL PROVIDE A FINISHED CROSS SLOPE PER CROSS SECTIONS.
2. AC THICKNESS SHALL BE PLACED IN TWO LIFTS.
3. ROADWAY EXCAVATION AND THE FIRST LIFT OF ASPHALT CONCRETE SHALL BE COMPLETED FOR HALF OF THE STREET WIDTH BEFORE BEGINNING EXCAVATION OF THE OPPOSITE SIDE OF THE STREET. TRUCKS OR CONSTRUCTION EQUIPMENT WILL NOT BE ALLOWED ON NEWLY PLACED ASPHALT CONCRETE BASE UNTIL THE FOLLOWING DAY.

MAIN STREET TYPICAL SECTIONS 5
NOT TO SCALE TI=10 R=30

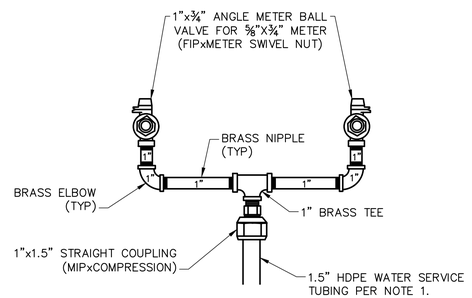


SIDEWALK WARP DETAIL 6
NOT TO SCALE



NOTES:
1. ALL SOFT OR SPONGY SUB-GRADE MATERIAL SHALL BE REMOVED AND REPLACED WITH SUITABLE MATERIAL AS REQUIRED BY THE CITY ENGINEER.
2. REINFORCING BARS SHALL BE MINIMUM GRADE 40 AND SHALL CONFORM TO SECTION 52, 'REINFORCEMENT' OF THE CALTRANS STANDARD SPECIFICATIONS.
3. EPOXY USED FOR BONDING REINFORCING BARS TO EXISTING CONCRETE SHALL CONFORM TO THE REQUIREMENTS OF SECTION 95, EPOXY AND SECTION 95-2.03, 'EPOXY RESIN ADHESIVE FOR BONDING NEW CONCRETE TO OLD CONCRETE' OF THE CALTRANS STANDARD SPECIFICATIONS.
4. SIDEWALK SHALL BE SAWCUT AND REMOVED TO THE NEAREST CONTROL JOINT (SCORE, EXPANSION OR WEAKENED PLANE JOINT). CURB AND GUTTER SHALL BE SAWCUT AND REMOVED TO THE NEAREST CONTROL JOINT WHEN PRACTICAL AS DIRECTED BY THE CITY INSPECTOR.

SIDEWALK, CURB & GUTTER DOWEL DETAIL 7
NOT TO SCALE



NOTES:
1. REFER TO CITY STD 301 FOR 1.5" WATER SERVICE INSTALLATION
2. 3" MIN SPACING BETWEEN BOXES.

1.5" DUAL WATER SERVICE DETAIL 8
NOT TO SCALE

COASTLAND | DCCM
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707.571.8005 | coastlandcivil.com

PREPARED UNDER THE DIRECTION OF
STEVEN R. VAN SAUN, RCE 86180 DATE 09/27/2023
DESIGNED BY WJK/SF | DRAWN BY WJK/SF | REVIEWED BY SRV

URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT
SPECIFICATION NO. 23-07
CITY OF UKIAH CALIFORNIA

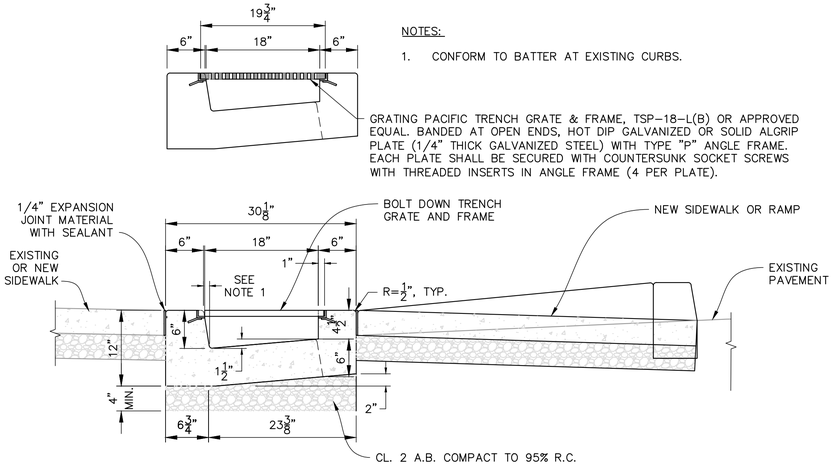
DETAILS - 2

PROJECT NUMBER 29-4799
DRAWING DATE SEPTEMBER 2023
SHEET NUMBER 142 OF 143

URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT

Xrefs: ukiah-base.dwg;CCE-ENGINEERS STAMPS-PLAN.dwg;CCE-ENGINEERS STAMPS-COVER.dwg;294799-TP.dwg;294799-TP2.dwg
Images: SVS Signature-blue.jpg;
Paths: F:\Civil 3D Projects\294799 Main St Utility Imp\DWG\294799-COV.dwg Layout Name: DETAILS-SHT-142 Plot Date: Sep 27, 2023 at 09:47 am

FOR REDUCED PLANS, THE 0 1 2 3
ORIGINAL SCALE IS IN INCHES
ORIGINAL PLOT DATE:

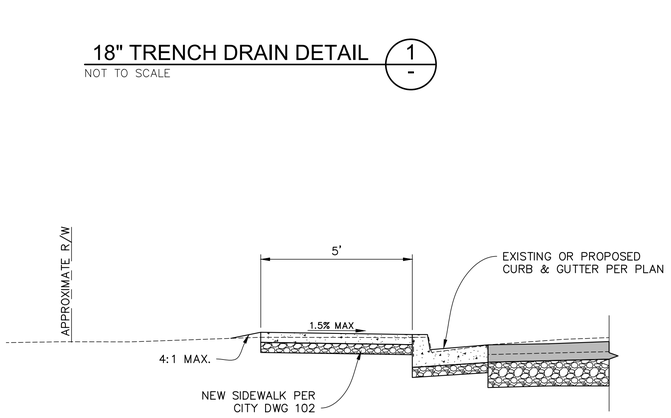


NOTES:

1. CONFORM TO BATTER AT EXISTING CURBS.

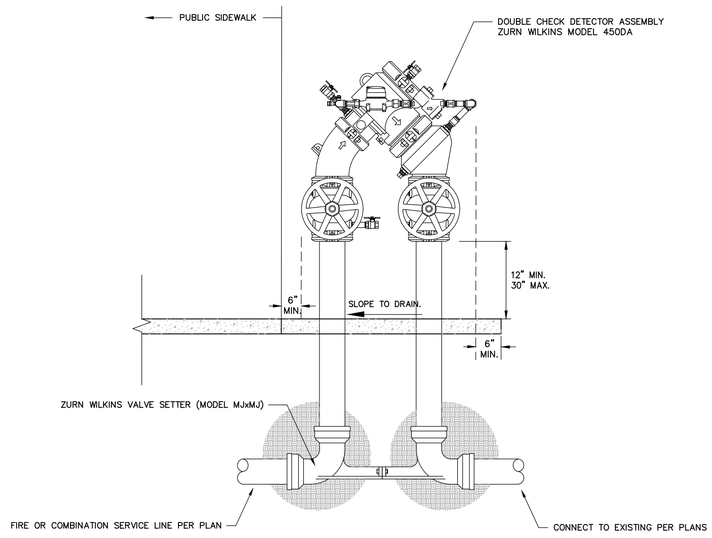
18" TRENCH DRAIN DETAIL 1/-

NOT TO SCALE



SIDEWALK TYPICAL SECTION 2/-

(STA. 23+59± TO STA. 27+15±)
NOT TO SCALE

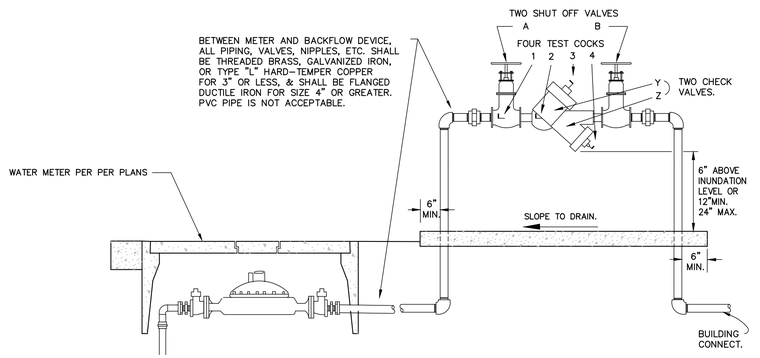


NOTES:

1. APPROVED REDUCED PRESSURE BACKFLOW DEVICE SHALL BE AS SHOWN ON "LIST OF APPROVED BACKFLOW PROTECTION DEVICES" (LATEST REVISION) BY THE UNIVERSITY OF SOUTHERN CALIFORNIA FOUNDATION FOR CROSS-CONNECTION CONTROL & HYDRAULIC RESEARCH.
2. BACKFLOW PREVENTION DEVICES SHALL BE INSTALLED ADJACENT TO AND ON PROPERTY SIDE OF SIDEWALK WHERE APPLICABLE. WHERE NO SIDEWALK EXISTS THE ASSEMBLY SHALL BE INSTALLED AS CLOSE AS POSSIBLE TO THE WATER METER LOCATION..
3. ANY COVER OR SCREENING FOR THE BACKFLOW PREVENTION ASSEMBLY MUST BE APPROVED BY THE CITY ENGINEER PRIOR TO INSTALLATION.
4. THE ADDITION OF SPOOLS MUST BE APPROVED BY THE CITY INSPECTOR PRIOR TO INSTALLATION.
5. THE PIPING FROM THE REDUCED PRESSURE BACKFLOW PREVENTER & THE REDUCED PRESSURE BACKFLOW PREVENTER VALVE ASSEMBLY ITSELF MUST BE THE SAME SIZE AS THE SERVICE LINE UNLESS OTHERWISE APPROVED BY THE DISTRICT.

DOUBLE CHECK BACKFLOW PREVENTER 3/-

NOT TO SCALE

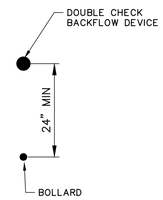


NOTES:

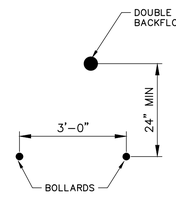
1. REDUCED PRESSURE TYPE BACKFLOW DEVICES SHALL BE REQUIRED FOR ANY USE WHERE TOXIC MATERIALS ARE USED OR STORED ON SITE OR WHERE POSITIVE PROTECTION FOR THE PUBLIC WATER SUPPLY IS REQUIRED. TYPICAL APPLICATIONS INCLUDE: ALL IRRIGATION SERVICES & PARKS, HOSPITALS, MEDICAL & DENTAL LABORATORIES, MORTUARIES, INDUSTRIAL PLANTS, DRY CLEANERS, OR AS DETERMINED BY THE CITY ENGINEER.
2. APPROVED REDUCED PRESSURE BACKFLOW DEVICE SHALL BE AS SHOWN ON "LIST OF APPROVED BACKFLOW PROTECTION DEVICES" (LATEST REVISION) BY THE UNIVERSITY OF SOUTHERN CALIFORNIA FOUNDATION FOR CROSS-CONNECTION CONTROL & HYDRAULIC RESEARCH.
3. BACKFLOW PREVENTION DEVICES SHALL BE INSTALLED ADJACENT TO AND ON PROPERTY SIDE OF SIDEWALK WHERE APPLICABLE. WHERE NO SIDEWALK EXISTS THE ASSEMBLY SHALL BE INSTALLED AS CLOSE AS POSSIBLE TO THE WATER METER LOCATION..
4. A VALVE OF THE SAME SIZE AS THE BACKFLOW PREVENTER SHALL BE INSTALLED ON EACH SIDE OF THE BACKFLOW PREVENTION ASSEMBLY. VALVES 2" & LESS SHALL BE THREADED FORD BALL VALVES. VALVES 3" SHALL BE WATTS BALL VALVES, AND 4" & LARGER SHALL BE RESILIENT SEATED GATE VALVES.
5. ANY COVER OR SCREENING FOR THE BACKFLOW PREVENTION ASSEMBLY MUST BE APPROVED BY THE CITY ENGINEER PRIOR TO INSTALLATION.
6. IN LIMITED SPACE APPLICATIONS VALVES MAY BE INSTALLED ON RISERS, MIN. 4" ABOVE GRADE.
7. THE ADDITION OF SPOOLS MUST BE APPROVED BY THE CITY INSPECTOR PRIOR TO INSTALLATION.
8. THE PIPING FROM THE REDUCED PRESSURE BACKFLOW PREVENTER & THE REDUCED PRESSURE BACKFLOW PREVENTER VALVE ASSEMBLY ITSELF MUST BE THE SAME SIZE AS THE SERVICE LINE UNLESS OTHERWISE APPROVED BY THE DISTRICT.

REDUCED PRESSURE BACKFLOW PREVENTER 4/-

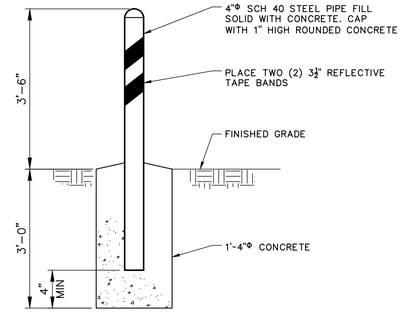
NOT TO SCALE



BOLLARD SPACING 1



BOLLARD SPACING 2



BOLLARD

NOTES:

1. NUMBER OF BOLLARDS TO BE INSTALLED PER PLAN.

BOLLARD 5/-

NOT TO SCALE

PREPARED UNDER THE DIRECTION OF
STEVEN R. VAN SAUN, RCE 86180 DATE 09/27/2023
REVIEWED BY SRV
DRAWN BY WJK/SF
DESIGNED BY WJK/SF

REGISTERED PROFESSIONAL ENGINEER STEVEN R. VAN SAUN No. C 86180 CIVIL STATE OF CALIFORNIA

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Santa Rosa, CA 95405
707.571.8005 | coastlandcivil.com

URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT
SPECIFICATION NO. 23-07
CITY OF UKIAH CALIFORNIA

DETAILS - 3

PROJECT NUMBER 29-4799
DRAWING DATE SEPTEMBER 2023
SHEET NUMBER 143 OF 143

URBAN CORE REHABILITATION AND TRANSPORTATION PROJECT

Xrefs: ukiah-base.dwg;CCE-ENGINEERS STAMPS-PLAN.dwg;CCE-ENGINEERS STAMPS-COVER.dwg;294799-TP.dwg;294799-TP2.dwg
Images: SVS Signature-blue.jpg;
Path: F:\Civil 3D Projects\294799 Main St Utility Imp\DWG\294799-COV.dwg Layout Name: DETAILS-SHT-143 Plot Date: Sep 27, 2023 at 09:47 am