CITY OF PLEASANTON

PUBLIC WORKS DEPARTMENT, ENGINEERING DIVISION

PURI COURT STORM DRAIN IMPROVEMENTS - CIP NO. 25415

LOCATION MAP - NTS

SHEET INDEX

SURVEY INFORMATION

BASIS OF BEARINGS

THE BEARINGS SHOWN HEREON WERE DERIVED FROM THE TRIMBLE VSN RTK NETWORK AND ARE BASED ON THE NAD 83 CALIFORNIA COORDINATE SYSTEM.

BENCHMARK

THE ELEVATIONS SHOWN HEREON WERE DERIVED FROM THE TRIMBLE VSN RTK NETWORK AND ARE BASED ON THE NAVD 1988 VERTICAL DATUM.

BOUNDARY NOTE

THE BOUNDARY LINES SHOWN HEREON ARE BASED ON RECORD DATA FROM VARIOUS RECORDED MAPS IN THE SURVEY VICINITY AND DOES NOT REFLECT A RESOLVED BOUNDARY.

EASEMENT NOTE

EASEMENTS SHOWN ARE BASED ON LIMITED RESEARCH. OTHER EASEMENTS, IF ANY, ARE NOT INDICATED HEREON.

UTILITY NOTE

THE UTILITIES EXISTING ON THE SURFACE AND SHOWN ON THIS DRAWING HAVE BEEN LOCATED BY FIELD SURVEY. ALL UNDERGROUND UTILITIES SHOWN ON THIS DRAWING ARE FROM RECORD DRAWINGS OR USA PAINT MARKINGS. THE SURVEYOR/ENGINEER DOES NOT ASSUME RESPONSIBILITY FOR THEIR COMPLETENESS, INDICATED LOCATION, OR SIZE. RECORD UTILITY LOCATION SHOULD BE CONFIRMED BY EXPOSING THE UTILITY.

ACCEPTANCE OF PLANS

Adam M Nelkie 3/3/2025

ADAM M. NELKIE, P.E. — DATE
CA C78830, EXP 9/30/2025
CITY ENGINEER
CITY OF PLEASANTON

REGISTERED PROFESSIONAL ENGINEER — ADAM MATTHEW NELKIE — No. 78830 — Exp. 9/30/2025 — CIVIL — STATE OF CALIFORNIA

CIVIL ENGINEER

PAKPOUR CONSULTING GROUP, INC.
6601 OWENS DRIVE, SUITE 230
PLEASANTON, CA 94588
PH: (925) 224-7717

STRUCTURAL ENGINEER

ZFA STRUCTURAL ENGINEERS
1303 JEFFERSON ST, STE 400A
NAPA, CA 94559
PH: (707) 492-3452

REGISTERED PROFESSIONAL ENGINEER — JAVAD N. PAKPOUR — No. C79155 — CIVIL — STATE OF CALIFORNIA

2/25/25

REV.	DATE	DESCRIPTION

THE CITY OF PLEASANTON

CITY OF PLEASANTON
PUBLIC WORKS DEPARTMENT

PCG PAKPOUR CONSULTING GROUP

TITLE SHEET, SHEET INDEX, LOCATION MAP, SURVEY INFORMATION

PURI COURT STORM DRAIN IMPROVEMENTS

DESIGN:	BL/DL
DRAWN:	BL/DL
CHECKED:	BL
TRAFFIC ENGINEER:	
SCALE:	AS NOTED
PROJECT NO.:	CIP-25415
DATE:	FEB 25, 2025
DWG NO.	G1.1
	1 OF 10

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GENERAL

1. MATERIAL AND WORKMANSHIP SHALL CONFORM TO THE CONTRACT DOCUMENTS, INCLUDING THE CITY OF PLEASANTON STANDARD SPECIFICATIONS, WHICH ARE AVAILABLE IN THE OFFICE OF THE CITY ENGINEER. THE CITY STANDARD SPECIFICATIONS ARE BASED ON THE 2015 STATE OF CALIFORNIA STANDARD SPECIFICATIONS.
2. THE CITY ENGINEER'S OFFICE (PHONE 925–931–5650) SHALL BE NOTIFIED 48 HOURS PRIOR TO SURVEY STAKING ACTIVITIES.
3. THE LOCATION, WHERE SHOWN, AND DEPTHS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN THEIR APPROXIMATE LOCATIONS BASED UPON AVAILABLE RECORD INFORMATION. THE CONTRACTOR SHALL DETERMINE THE EXISTENCE AND LOCATION OF ALL UNDERGROUND UTILITIES CROSSING OR WITHIN 5 FEET OF THE PROPOSED ALIGNMENTS. THE CONTRACTOR SHALL NOTIFY UTILITY COMPANIES AT LEAST 48 HOURS IN ADVANCE OF CONSTRUCTION.
4. FIELD CHANGES SHALL BE APPROVED BY THE CITY PRIOR TO IMPLEMENTING OR AS ORDERED BY THE CITY. NO PAYMENT WILL BE MADE FOR FIELD CHANGES NOT AUTHORIZED BY THE CITY AND THAT UNAUTHORIZED WORK IS SUBJECT TO REMOVAL AS DIRECTED BY THE CITY.
5. CONTRACTOR SHALL NOTIFY THE CITY OF INCOMPLETE, INCONSISTENT OR INCORRECT REQUIREMENTS IN THE CONTRACT DOCUMENTS AND SHALL REQUEST CLARIFICATION IN WRITING FROM THE CITY PRIOR TO COMMENCING WORK.

SAFETY

1. THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE THROUGH THE CONSTRUCTION DURATION INCLUDING SAFETY OR PERSONS AND PROPERTY, AND FOR OBTAINING NECESSARY CITY REVIEWS OF THE CONDITIONS. THE CITY'S JOB SITE REVIEW DOES NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE OR INJURIES RESULTING FROM CONTRACTOR'S OPERATIONS AND/OR MATERIALS AND EQUIPMENT STORED IN STAGING AREAS. THE CITY IS NOT RESPONSIBLE FOR SECURING THE CONTRACTOR'S EQUIPMENT AND WORK SITES.
3. NOT ALL UTILITY SERVICE LATERALS ARE SHOWN ON THE PLANS. THOSE THAT ARE SHOWN MAY NOT BE SHOWN IN THEIR TRUE LOCATIONS. CONTRACTOR SHALL COORDINATE WITH USA TO FIELD LOCATE SERVICE LATERALS AND USE EXTREME CAUTION WHEN WORKING IN THE VICINITY OF GAS, TELECOMMUNICATION, AND ELECTRIC SERVICE LINES.
4. THE WORK MAY INCLUDE CONFINED SPACE ENTRY. CONTRACTOR SHALL IMPLEMENT OSHA AND OTHER PERTINENT SAFETY AND HEALTH REQUIREMENTS.

EXISTING UTILITIES, BURIED STRUCTURES AND FEATURES

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF EXISTING UTILITIES VIA UNDERGROUND SERVICE ALERT AND TO COMMUNICATE WITH THE APPROPRIATE UTILITY AGENCIES AND POTHOLING PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
2. EXISTING UTILITIES SHOWN ARE SHOWN BASED ON AVAILABLE RECORD INFORMATION AND ARE APPROXIMATE IN LOCATION AND DEPTH. CONTRACTOR SHALL SUPPORT CROSSING AND PARALLEL EXISTING UTILITIES EXPOSED DURING CONSTRUCTION.
3. NOT ALL UTILITY SERVICE LATERALS ARE SHOWN ON THE PLANS. THOSE THAT ARE SHOWN MAY NOT BE SHOWN AT THEIR TRUE LOCATIONS.
4. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN WORKING ADJACENT TO OVERHEAD AND UNDERGROUND UTILITIES. DAMAGE TO UTILITIES, INCLUDING SERVICES AND LATERALS, RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE REPORTED IMMEDIATELY TO THE CITY AND UTILITY OWNER, AND SHALL BE IMMEDIATELY REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CITY. COSTS INCURRED BY UTILITY SERVICE INTERRUPTION RESULTING FROM THE CONTRACTOR'S OPERATION SHALL ALSO BE ENTIRELY REIMBURSED BY THE CONTRACTOR.
5. THE CONTRACTOR SHALL REMOVE ALL USA AND CONSTRUCTION MARKINGS BY CLEANING WITH A PRESSURE WASHER OR OTHER APPROVED METHOD AT THE COMPLETION OF WORK ON ANY STREET BLOCK.
6. THE CONTRACTOR SHALL COORDINATE WITH OWNERS OF EXISTING UTILITIES WHEN WORKING IN THE VICINITY OF THOSE UTILITIES.
7. THE CONTRACTOR SHALL PERFORM WORK IN THE VICINITY OF EXISTING UTILITIES AS SHOWN AND SPECIFIED AND IN CONFORMANCE WITH UTILITY OWNER REQUIREMENTS. EARLY COORDINATION WITH UTILITY OWNERS IS REQUIRED.
8. OVERHEAD UTILITIES/WIRES ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL OBSERVE, USE CAUTION, AND MAKE PROVISIONS AS NEEDED TO PERFORM CONSTRUCTION WORK WITHOUT DAMAGE TO THE UTILITIES.

COORDINATION

1. THE CONTRACTOR SHALL CONTAIN ITS OPERATIONS WITHIN THE PUBLIC RIGHT–OF–WAY AND SITE WORK AREA LIMITS SHOWN AND IN ACCORDANCE WITH THE CONDITIONS OF ITS ENCROACHMENT PERMIT.
2. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT IN THE PUBLIC RIGHT–OF–WAY SHALL NOT BE PERMITTED UNLESS COORDINATED AND APPROVED BY THE CITY.
3. THE CONTRACTOR SHALL NOTIFY ALL RESIDENTS ADJACENT TO THE PROJECT SITE AT LEAST 2 WEEKS, FORTY–EIGHT (48) HOURS, AND IMMEDIATELY PRIOR TO START OF CONSTRUCTION IN A PARTICULAR AREA. THE NOTIFICATION SHALL INCLUDE EXPECTED DATES OF THE WORK, CONTACT INFORMATION FOR THE GENERAL CONTRACTOR, AND A BRIEF DESCRIPTION OF THE WORK. THE NOTIFICATION SHALL BE SUBMITTED TO THE CITY FOR REVIEW.
4. THE CONTRACTOR IS RESPONSIBLE FOR ARRANGING REQUIRED INSPECTIONS. THE PRESENCE OR ABSENCE OF THE INSPECTOR WILL NOT RELIEVE THE CONTRACTOR OF FULL RESPONSIBILITY FOR THE PROPER PERFORMANCE OF THE WORK.
5. THE CONTRACTOR SHALL COORDINATE ITS WORK PLANS AND SCHEDULE WITH THE POLICE DEPARTMENT, FIRE DEPARTMENT, SCHOOL DISTRICT, TRANSIT/GARBAGE AGENCIES, POST OFFICE.

TRAFFIC CONTROL

1. THE CONTRACTOR SHALL IMPLEMENT TRAFFIC CONTROL AS SPECIFIED IN THE SPECIAL PROVISIONS AND MEETING THE REQUIREMENTS OF THE CITY ENCROACHMENT PERMIT.
2. THE CONTRACTOR SHALL CONDUCT ITS OPERATIONS TO ALLOW TRAFFIC TO PASS IN BOTH DIRECTIONS ON FOOTHILL AS SPECIFIED AND REQUIRED IN THE ENCROACHMENT PERMIT. AT INTERSECTIONS, TRAFFIC CONTROL PLANS SHALL PROVIDE FOR THROUGH, LEFT AND RIGHT TURN MOVEMENTS IN EACH DIRECTION.
3. TRAFFIC CONTROL PLANS SHALL INCLUDE PROVISIONS FOR DRIVEWAY ACCESS, PEDESTRIANS, BICYCLISTS AND AMERICANS WITH DISABILITIES ACT REQUIREMENTS.
4. SIDEWALKS TO REMAIN OPEN AT ALL TIMES UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.

ACCESS AND STAGING

1. THE CONTRACTOR SHALL FENCE IN THEIR STAGING YARD.
2. THE CONTRACTOR SHALL RESTORE ALL AREAS AFFECTED BY CONSTRUCTION TO THEIR ORIGINAL OR BETTER CONDITION AS DETERMINED BY THE CITY EXCEPT WHERE SHOWN OTHERWISE. LANDSCAPE AND IRRIGATION COMPONENTS DAMAGED BY CONTRACTOR ACTIVITY, SHALL BE REPAIRED OR REPLACED IN ACCORDANCE WITH CITY STANDARD SPECIFICATIONS, TO THE SATISFACTION OF THE CITY WITHIN 24 HOURS.

EXCAVATION AND PAVEMENT RESTORATION

1. THE CONTRACTOR SHALL SELECT VEHICLES AND EQUIPMENT THAT MINIMIZE DAMAGE TO THE EXISTING PAVEMENT ALONG THE PROJECT SITE AND TO ROADS USED AS TRUCK ROUTES TO BRING MATERIAL AND EQUIPMENT TO THE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR REPLACING PAVEMENTS DAMAGED BY THE CONTRACTOR'S ACTIVITIES IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AT NO ADDITIONAL COST TO THE CITY.
2. PAVEMENT SHALL BE SAW CUT PRIOR TO INSTALLATION OF PAVEMENT PATCH. ROUGH EDGES THAT DEVELOP DURING CONSTRUCTION SHALL BE SAW CUT BACK TO UNDAMAGED PAVEMENT PRIOR TO INSTALLATION OF PAVEMENT PATCH. ADDITIONAL TRENCH WIDTH BEYOND THE MAXIMUM SHOWN IN THE STANDARD TRENCH DETAIL SHALL BE BACKFILLED AND PAVED AT NO ADDITIONAL COST TO THE CITY.
3. TRENCHES AND EXCAVATIONS SHALL BE CONSTRUCTED IN COMPLIANCE WITH THE APPLICABLE SECTIONS OF CALIFORNIA AND FEDERAL OSHA REQUIREMENTS AND OTHER APPLICABLE SAFETY ORDINANCES. CONTRACTOR SHALL BEAR FULL RESPONSIBILITY FOR TRENCH AND EXCAVATION SHORING DESIGN AND APPLICATION.
4. SURPLUS AND UNSUITABLE MATERIAL SHALL BE REMOVED FROM THE PUBLIC RIGHT–OF–WAY AND PROJECT SITE, AND PROPERLY DISPOSED OF BY THE CONTRACTOR BEFORE END OF DAY.
5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPLACE STREET MONUMENTS OR LOT CORNER PIPES DISTURBED DURING CONSTRUCTION. IF A STREET MONUMENT HAS THE POTENTIAL OF BEING DISTURBED, THE MONUMENT SHALL BE SURVEYED TO LOCATE PRECISELY PRIOR TO WORK AND A CORNER RECORD FILED WITH THE COUNTY SURVEYOR (PER SECTION 8773.2 OF THE PUBLIC LAND SURVEYORS ACT) AS REQUIRED BY THE SUBDIVISION MAP ACT TO PRESERVE THE LOCATION OF STREET MONUMENTS OR CORNER PIPE. THE CONTRACTOR, AT ITS EXPENSE, SHALL HIRE A CALIFORNIA LICENSED PROFESSIONAL LAND SURVEYOR TO PERFORM THE WORK.
6. DIMENSIONS FOR EXISTING STRUCTURES ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD VERIFY DIMENSIONS AND CONDITIONS AND REPORT DISCREPANCIES TO THE CITY AT LEAST 5 DAYS IN ADVANCE OF CONSTRUCTION IN THE AREA.
7. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS NOT DESIGNATED FOR DEMOLITION OR REMOVAL AND REPLACEMENT. DAMAGED EXISTING IMPROVEMENTS AND THOSE IMPROVEMENTS THAT HAVE BEEN REMOVED OR TEMPORARILY RELOCATED SHALL BE RESTORED BY THE CONTRACTOR TO A CONDITION EQUAL TO OR BETTER THAN ITS CONDITION PRIOR TO CONSTRUCTION. IMPROVEMENTS DESIGNATED FOR DEMOLITION SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR UNLESS OTHERWISE SPECIFIED. DAMAGE TO THE ADJACENT IMPROVEMENTS SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NOT ADDITIONAL COST TO THE CITY AND TO THE SATISFACTION OF THE CITY.
8. THE CONTRACTOR SHALL KEEP THE STREET AND WORK SITE CLEAN AND FREE FROM RUBBISH AND DEBRIS. THIS REQUIRES PREVENTING SPILLAGE ON HAUL ROUTES, CLEANING UP SPILLAGE, SWEEPING STREETS OF MUD, DIRT AND DEBRIS THAT ARE A RESULT OF THE CONTRACTOR'S WORK, AND KEEPING THE WORK SITE IN A CLEAN AND NEAT APPEARANCE. SPILLAGE ON HAUL ROUTES SHALL BE IMMEDIATELY REMOVED AND CLEANED UP. WHEN ORDERED BY THE CITY, THE CONTRACTOR SHALL CLEAN UP THE WORK SITE IMMEDIATELY AFTER RECEIVING NOTICE.
9. THE CONTRACTOR SHALL BACKFILL TRENCHES WITH SPECIFIED BACKFILL MATERIALS AND PAVE BACK THE TRENCH EACH DAY. TRENCH PLATES SHALL HAVE A NON–SKID COATING. TRENCH PLATES SHALL ALSO BE ANCHORED TO PREVENT SHIFTING AND WEDGED TO MINIMIZE RATTLING AND NOISE. CUTBACK SHALL BE PROVIDED AROUND THE TRENCH PLATES AS NEEDED TO PREVENT TIRE DAMAGE.
10. NO MORE THAN 50 FEET OF TRENCH MAY BE COVERED WITH TRENCH PLATES AT ANY ONE LOCATION UNLESS APPROVED BY THE CITY OR NOTED OTHERWISE. ALL TRENCH PLATES TO REMAIN AT THE END OF THE DAY IN PEDESTRIAN AREAS OR IN PLACE FOR MORE THAN 48 HOURS SHALL BE FLUSH WITH THE PAVEMENT SURFACE.
11. CONTRACTOR SHALL LIMIT TRENCH PLATES ON SIDEWALKS TO NO MORE THAN 4 CALENDAR DAYS AND RESTORE SIDEWALKS BY FRIDAY OF EACH WEEK, WHICHEVER COMES FIRST.
12. THE CONTRACTOR SHALL PROVIDE DUST CONTROL DURING CONSTRUCTION. DUST CONTROL SHALL BE AS REQUIRED IN THE CONTRACT SPECIFICATIONS. DUST CONTROL OPERATIONS SHALL NOT RESULT IN DUST DEPOSITS ON ADJACENT PROPERTIES. ANY DAMAGE TO EXISTING PROPERTIES IS THE CONTRACTOR'S RESPONSIBILITY.
13. THE CONTRACTOR SHALL REPLACE PAVEMENT MARKERS, MARKINGS AND STRIPES DAMAGED OR DISTURBED BY CONSTRUCTION ACTIVITIES.
14. THE CONTRACTOR SHALL PERFORM ITS CONSTRUCTION AND OPERATIONS IN A MANNER THAT WILL NOT ALLOW HARMFUL POLLUTANTS TO ENTER THE STORM DRAIN SYSTEM AND CREEKS. TO ENSURE COMPLIANCE, THE CONTRACTOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES AS OUTLINED IN THE STORM WATER BEST MANAGEMENT PRACTICES HANDBOOK, ISSUED BY THE CALIFORNIA STORM WATER QUALITY ASSOCIATION. EROSION CONTROL METHODS SHALL BE IMPLEMENTED BY THE CONTRACTOR AT DISTURBED UNPAVED AREAS.

PIPELINE INSTALLATION

1. PIPE SHALL BE INSTALLED WITH COVER AS SHOWN ON THE PLANS..
2. THE CONTRACTOR SHALL INSTALL TRENCH DAMS AS INDICATED ON THE PLANS.
3. UTILITY CLEARANCE: UNLESS OTHERWISE NOTED, ADJUST PIPELINE PROFILE TO PROVIDE A MINIMUM 12" VERTICAL CLEARANCE AT UNDERGROUND UTILITY CROSSINGS.
4. THE CONTRACTOR SHALL KEEP COMPLETE AND ACCURATE RECORD DRAWINGS OF THE WORK, UTILITY POTHOLE DATA, AND EXISTING CONDITIONS THAT CHANGED OR ARE DIFFERENT THAN SHOWN ON THE PLANS. UPON COMPLETION OF THE WORK, THE CONTRACTOR'S RECORD DRAWINGS SHALL BE SUBMITTED TO THE CITY FOR REVIEW AND COMMENT.
5. CONTRACTOR SHALL PLACE UTILITY STRUCTURES AND ASSOCIATED PIPING AT LOCATIONS AS INDICATED ON THE DRAWINGS. IF A CONFLICT EXISTS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE CITY AND WORK TO RELOCATE UTILITY STRUCTURE AND PIPING IN THE GENERAL VICINITY AS SHOWN ON THE DRAWINGS.
6. PRIOR TO STAKING AND INITIAL SAWCUT FOR THE PIPE TRENCH, THE CONTRACTOR SHALL VALIDATE THE ALIGNMENT AND PROFILE AS REQUIRED BY THE SPECIAL PROVISIONS.

POTHOLING

1. THE CONTRACTOR SHALL POTHOLE EXISTING UTILITIES THAT MAY BE AFFECTED BY CONSTRUCTION PRIOR TO STORM DRAIN INSTALLATION. UTILITIES TO BE POTHOLED INCLUDE THOSE THAT CROSS PIPELINE ALIGNMENTS TO CONFIRM CLEARANCE BETWEEN THE EXISTING UTILITY AND THE PROPOSED STORM AND PARALLEL UTILITIES WITHIN 7 FEET OF THE PROPOSED STORM ALIGNMENT CENTERLINE. THE CONTRACTOR SHALL CLEARLY MARK THE DEPTHS AND HORIZONTAL POSITIONS OF THE POTHOLED UTILITIES ON THE RECORD DRAWINGS, REGARDLESS OF WHETHER THE POTHOLE DATA AGREES OR DISAGREES WITH THE DRAWINGS. THE CONTRACTOR SHALL REPORT POTENTIAL UTILITY CONFLICTS TO THE CITY IMMEDIATELY AFTER THEY ARE DISCOVERED. NO DELAY CLAIMS WILL BE ACCEPTED IF THE APPARENT CONFLICT IS RESOLVED BY THE CITY WITHIN 30 DAYS AFTER IT IS REPORTED.

HAUL ROUTE

1. I–680 TO BERNAL AVE TO FOOTHILL RD

ABBREVIATIONS

ACP	ASBESTOS CEMENT	N	NORTH
AR	ACCESS RAMP	NE	NORTHEAST
APPX	APPROXIMATE	NW	NORTHWEST
BFP	BACKFLOW PREVENTER	(N)	NEW
BC	BOX CULVERT	OH	OVERHEAD
CB	CATCH BASIN	PAE	PRIVATE ACCESS EASEMENT
CBX	COMMINUCATION BOX	PSE	PUBLIC SERVICE EASEMENT
CC C&G	CONCRETE CURB & GUTTER	PSSE	PRIVATE SANITARY SEWER EASEMENT
CL	CENTER LINE	PVC	POLYVINYNL CHLORIDE
CONC	CONCRETE	R/W	RIGHT OF WAY
COL	COLUMN	R&R	REMOVE AND REPLACE
CSD	CITY STANDARD DETAIL	RCP	REINFORCED CONCRETE PIPE
CVR	COVER	S	SOUTH, SLOPE
DN	DOWN	SD	STORM DRAIN
DRWY	DRIVEWAY	SDMH	STORM DRAIN MANHOLE
DTL	DETAIL	SE	SOUTHEAST
E	EAST	SS	SANITARY SEWER
(E)	EXISTING	SSCO	SANITARY SEWER CLEANOUT
EBX	ELECTRICAL BOX	SSP	SEE STRUCTURAL PLANS
ELEC	ELECTRICAL	SSMH	SANITARY SEWER MANHOLE
EV	ELECTRICAL VAULT	STA	STATION
FL	FLOWLINE	SW	SOUTHWEST
FOC	FACE OF CURB	TC	TOP OF CURB
G	GAS	TD	TRENCH DAM
GND	GROUND	TEMP	TEMPORARY
ICBX	IRRIGATION BOX	TG	TOP OF GRATE
INV	INVERT	TW	TOP OF WALL
JT	JOINT TRENCH	UNK	UNKNOWN
LAT	LATERAL	VCP	VITRIFIED CLAY PIPE
LCTN	LOCATION	VG	VALLEY GUTTER
LF	LINEAR FEET	WBX	WATER BOX
LG	LIP OF GUTTER	W	WEST
LT	LIGHT	W/	WITH
LP	LIGHT POLE	(W)	WATER
MB	MAILBOX		
MCSD	MODIFIED CITY STANDARD DETAIL		
MIN	MINIMUM		

LEGEND

EXISTING

- FH — FIRE HYDRANT
- GA — GUY ANCHOR
- LP — LIGHT POLE
- LT — LIGHT
- JP — JOINT UTILITY POLE
- WV (wv) — WATER VALVE
- SURVEY CONTROL POINT
- 12" TREE — TREE W/ SIZE
- X—X — FENCE
- E — ELECTRIC LINE
- G — GAS LINE
- JT — JOINT UTILITY TRENCH
- SS — SANITARY SEWER LINE
- SD — STORM DRAIN LINE
- W — WATER LINE
- OH — OVERHEAD LINE
- PROPERTY LINE

NEW

- STORM DRAIN
- SDMH

REGISTERED PROFESSIONAL ENGINEER — ROBIN N. PAKPOUR — No. C 59155 — CIVIL — STATE OF CALIFORNIA

2/25/25

REV.	DATE	DESCRIPTION

THE CITY OF PLEASANTON

CITY OF PLEASANTON
PUBLIC WORKS DEPARTMENT

PAKPOUR CONSULTING GROUP

GENERAL NOTES, LEGEND, ABBREVIATIONS

PURI COURT STORM DRAIN IMPROVEMENTS

DESIGN:	BL/DL
DRAWN:	BL/DL
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TRAFFIC ENGINEER:	

SCALE:	AS NOTED
PROJECT NO.:	CIP-25415
DATE:	FEB 25, 2025

DWG NO. G1.2

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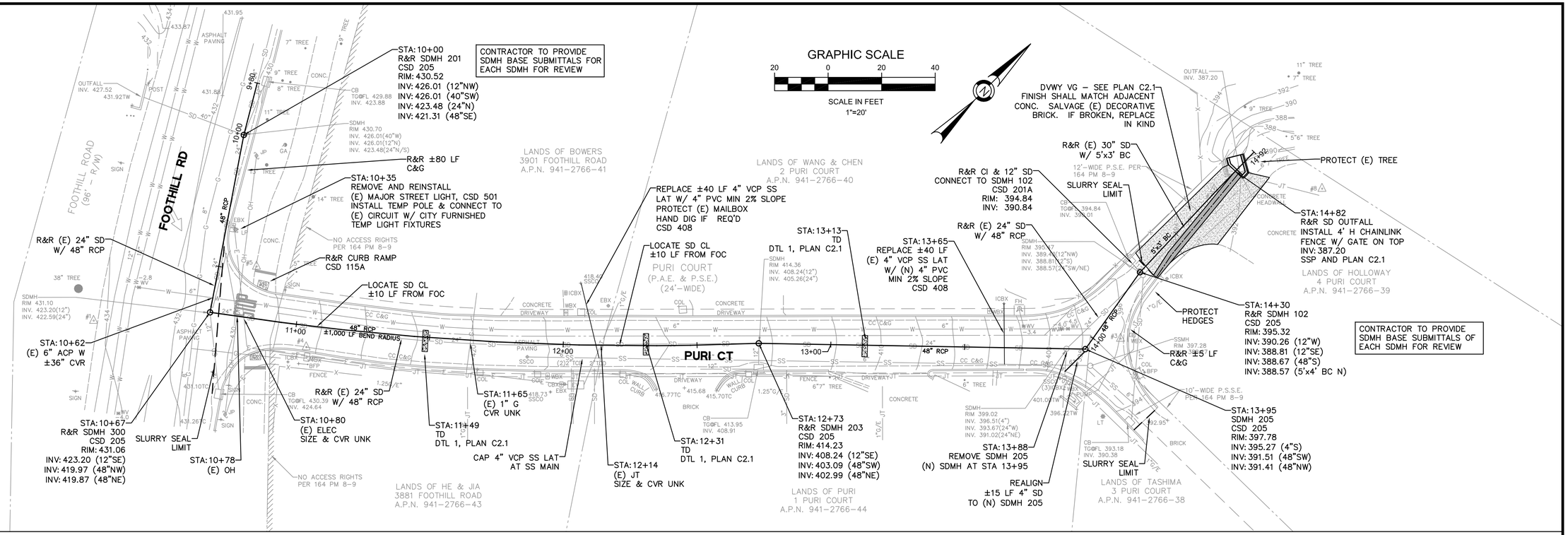

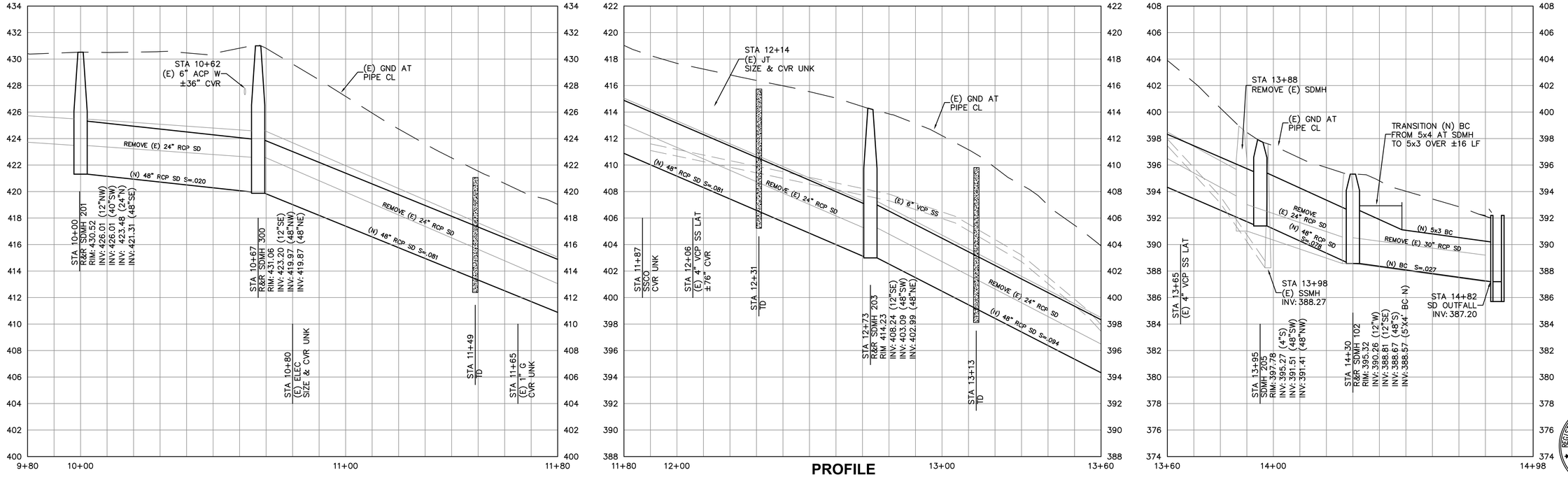

REGISTERED PROFESSIONAL ENGINEER
JUDITH PAKPOUR
No. C 59155
CIVIL
STATE OF CALIFORNIA
2/25/25

REV.	DATE	DESCRIPTION

THE CITY OF PLEASANTON

CITY OF PLEASANTON
PUBLIC WORKS DEPARTMENT

PAKPOUR CONSULTING GROUP

PLAN & PROFILE: STA 10+00 TO STA 14+82

PURI COURT STORM DRAIN IMPROVEMENTS

DESIGN:	BL/DL
DRAWN:	BL/DL
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TRAFFIC ENGINEER:	
SCALE:	AS NOTED
PROJECT NO.:	CIP-25415
DATE:	FEB 25, 2025
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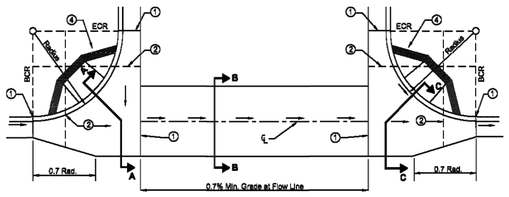
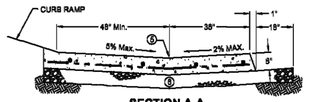
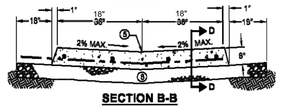


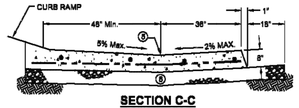
PLAN



SECTION A-A
(UPHILL SIDE)



SECTION B-B



SECTION C-C
(DOWNHILL SIDE)

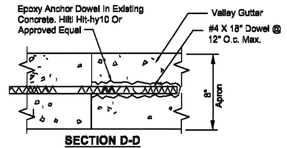
1. Use Of Concrete Valley Gutter Subject To Approval By Engineer.
2. The Design Engineer Shall Specify The Fit Elev. As Noted In Addition To The Standard Curb Return Elev.
3. See Detail 101 For General Notes. 4. Dashed Lines With Arrows Indicate Flow Lines.

INSTALLATION NOTES:

1. Standard expansion joint, see Note 3.
2. If curb return radius is 20' or larger, spandrels shall have extra expansion joints at locations to be determined by the City Engineer. Rebar shall be cut and dowels installed per Note 3.
3. All expansion joints shall have 1/2"x18" smooth dowels @ 22" O.C., wrapped or greased.
4. See City Standards for note regarding required curb ramps.
5. All flowlines shall have an 8" wide steel-trowel finish.
6. 6" Class 2 aggregate base.

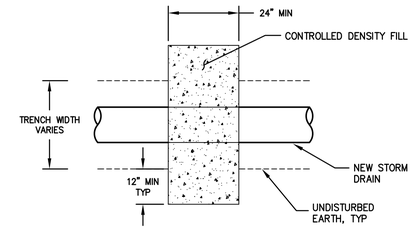
GENERAL NOTES:

A. All PCC shall be Class 2, including curb.
B. See City Standard 101 for notes regarding required pavement removal and repair.
C. Curb ramps shall be install with cross gutter for monolithic pour, no joints will be allowed.

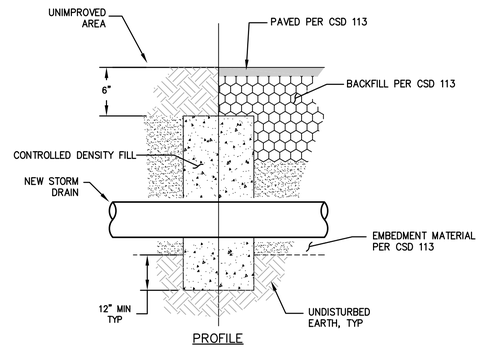


SECTION D-D

DRAWN BY: STAFF	CITY OF PLEASANTON STANDARD DETAILS MODIFIED CONCRETE VALLEY GUTTER AND APRON	REGISTERED PROFESSIONAL ENGINEER No. 76830 Exp. 9/30/2025 CIVIL STATE OF CALIFORNIA
CHECKED BY: AN		
SCALE: N.T.S.		DATE : 7/24 | DWG NO. 109



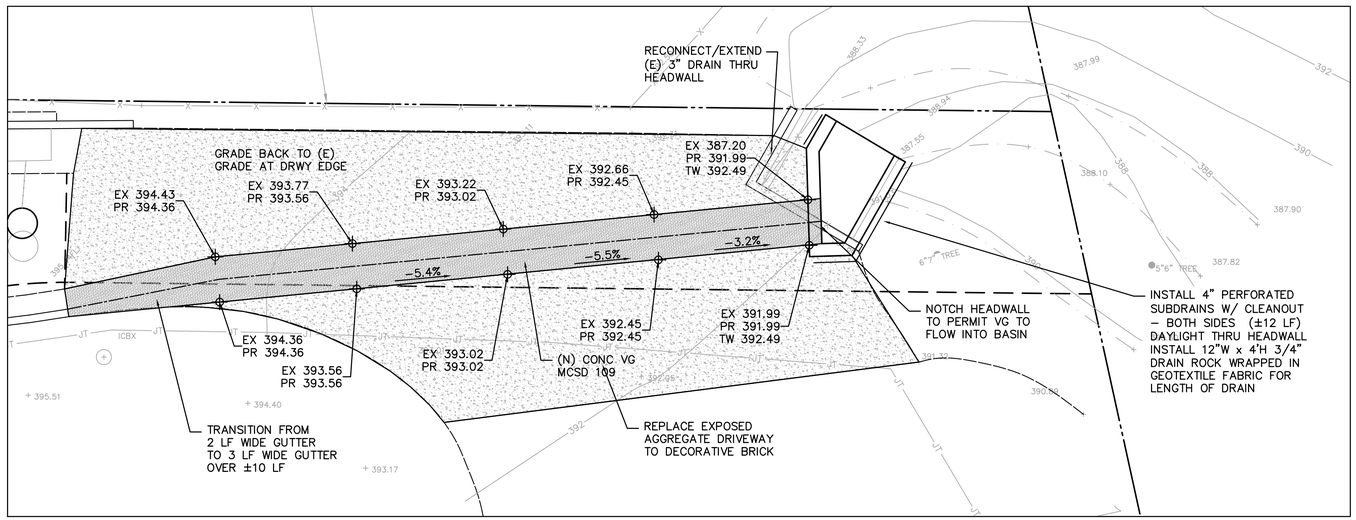
PLAN



PROFILE

1 — TRENCH DAM

N.T.S.



VALLEY GUTTER AT DRIVEWAY

SCALE: 1"=5'

VALLEY GUTTER – ±150 SF

EXPOSED AGGREGATE DRIVEWAY – ±645 SF
MATCH (E) SECTION AND FINISH – FOR BID PURPOSES ASSUME 6" PCC OVER 4" AB

REGISTERED PROFESSIONAL ENGINEER
BENJAMIN LAURIE
No. C 59155
CIVIL
STATE OF CALIFORNIA
2/25/25

REV.	DATE	DESCRIPTION

THE CITY OF PLEASANTON

CITY OF PLEASANTON
PUBLIC WORKS DEPARTMENT

PCG PAKPOUR CONSULTING GROUP

CIVIL DETAILS

PURI COURT STORM DRAIN IMPROVEMENTS

DESIGN:	BL/DL
DRAWN:	BL/DL
CHECKED:	BL
TRAFFIC ENGINEER:	
SCALE:	AS NOTED
PROJECT NO.:	CIP-25415
DATE:	FEB 25, 2025

DWG NO. C2.1

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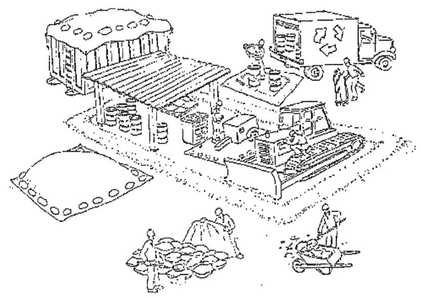
Pollution Prevention - It's Part of the Plan



Make sure your crews and subs do the job right!

Runoff from streets and other paved areas are a major source of pollution in San Francisco Bay. Construction activities can directly affect the health of the Bay unless contractors and crews plan ahead to keep dirt, debris, and other construction waste away from strom drains and local creeks. Following these guidelines will ensure your compliance with the City of Pleasanton requirements. Contact the City of Pleasanton, Department of Public Works at (925) 931–5650, or for private onsite work, please contact the Building and Safety Division at (925) 931–5300.

Materials storage & spill cleanup

Non–hazardous materials management

- Sand, dirt, and similar materials must be stored at least 10 feet from catch basins, and covered with a tarp during wet weather or when rain is forecast.
- Use (but don't overuse) reclaimed water for dust control as needed.
- Sweep or vacuum streets and other paved areas daily. Do not wash down streets or work areas with water!
- Recycle all asphalt, concrete, and aggregate base material from demolition activities.

Comply with City Ordinance for recycling construction materials, wood, gyp board, pipe, etc.

Contact Pleasanton Garbage Service at 925–846–2042 for both recycling and debris disposal.

- Check dumpsters regularly for leaks and to make sure they don't overflow.

Repair or replace leaking dumpsters promptly.

Hazardous materials management

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

Spill prevention and control

- Keep a stockpile of spill cleanup materials (rags, absorbents, etc.) available at the construction site at all times.
- When spills or leaks occur, contain them immediately and be particularly careful to prevent leaks and spills from reaching the gutter, street, or storm drain.

Never wash spilled material into a gutter, street, storm drain, or creek!

- Report any hazardous materials spills immediately! Dial 911 or the Livermore/Pleasanton Fire Department at 925–454–2330.

Vehicle and equipment maintenance & cleaning

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

Earthwork & contaminated soils

- Keep excavated soil on the site where it is least likely to collect in the street.

Transfer to dump trucks should take place on the site, not in the street.

- Use fiber rolls, silt fences, or other control measures to minimize the flow of silt off the site. See the approved erosion control plan for this site.

- Earth moving activities are only allowed during dry weather by permit and as approved by the City Inspector in the Field.
- Mature vegetation is the best form of erosion control. Minimize disturbance to existing vegetation whenever possible.
- If you disturb a slope during construction, prevent erosion by securing the soil with erosion control fabric, or seed with fast–growing grasses as soon as possible. Place fiber rolls down–slope until soil is secure.
- If you suspect contamination (from site history, discoloration, odor, texture, abandoned underground tanks or pipes, or buried debris), call Pleasanton/Livermore Fire Department at 925–454–2330 or the Regional Water Quality Control Board for help in determining what should be done, and manage disposal of contaminated soil according to their instuctions.

Dewatering operations

- Reuse water for dust control, irrigation, or another on–site purpose to the greatest extent possible.
- Be sure to call Pleasanton's storm drain source c inspector, Brian Lorimer, before discharging water to a street, gutter, or storm drain (925–931–5511). Filtration or diversion through a basin, tank, or sediment trap may be required.
- In areas of known contamination, testing is required prior to reuse or discharge of groundwater. Consult with the city inspector to determine what testing is required and how to interpret results. Contaminated groundwater must be treated or hauled off–site for proper disposal.

Saw cutting

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

Paving/asphalt work

- Do not pave during wet weather or when rain is forecast.
- Always cover storm drain inlets and manholes when paving or applying seal coat, tack coat, slurry seal, or fog seal.
- Place drip pans or absorbent material under paving equipment when not in use.
- Protect gutters, ditches, and drainage courses with sand/gravel bags, or earthen berms.
- Do not sweep or wash down excess sand from sand sealing into gutters, storm drains, or creeks. Collect sand and return it to the stockpile, or dispose of it as trash.
- Do not use water to wash down fresh asphalt concrete pavement.

Concrete, grout, and mortar storage & waste disposal

- Be sure to store concrete, grout, and mortar under cover and away from drainage areas. These materials must never reach a storm drain.
- Wash out concrete equipment/trucks off–site or designate an on–site area for washing where water will flow onto dirt or into a temporary pit in a dirt area. Let the water seep into the soil and dispose of hardened concrete with trash.

- Divert water from washing exposed aggregate concrete to a dirt area where it will not run into a gutter, street, or storm drain.
- If a suitable dirt area is not available, collect the wash water and remove it for appropriate disposal off site.

Painting

- Never rinse paint brushes or materials in a gutter or street!
- Paint out excess water–based paint before rinsing brushes, rollers, or containers in a sink.

If you can't use a sink, direct wash water to a dirt area and spade it in.

- Paint out excess oil–based paint before cleaning brushes in thinner.
- Filter paint thinners and solvents for reuse whenever possible. Dispose of oil–based paint sludge and unusable thinner as hazardous waste.

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

Bay Area Stormwater Management Agencies Association (BASMAA)
1–888–BAYWISE

For more detailed information:
Get a copy of the "Field Manual" –– (510) 622–2465 or www.abag.ca.gov/bayarea/sfep/reports/construction.html

REGISTERED PROFESSIONAL ENGINEER
JUDITH PAKPOUR
No. C 59155
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STATE OF CALIFORNIA
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POLLUTION PREVENTION

PURI COURT STORM DRAIN IMPROVEMENTS

DESIGN:	BL/DL
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CHECKED:	BL
TRAFFIC ENGINEER:	

SCALE:	AS NOTED
PROJECT NO.:	CIP-25415
DATE:	FEB 25, 2025

DWG NO. C2.2

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MINIMUM BAR LAPS FOR REINFORCING STEEL CONCRETE STRENGTH: 3000 PSI OR GREATER - (STAGGER SPLICES)					
SIZE	LAP LENGTH	SIZE	LAP LENGTH	SIZE	LAP LENGTH
#3	17"	#6	34"	#9	86"
#4	24"	#7	56"	#10	105"
#5	34"✳	#8	70"	#11	126"

(CLASS B TOP BAR)
BAR SPCG SHALL NOT BE LESS THAN 4x BAR DIA OR 4".
✳ WHERE COVER NOT LESS THAN 1½", #5 LAP LENGTH = 28"

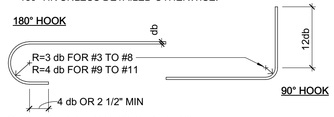
CONC COVER FOR REINF STL . . . . . 'CLR'

CAST AGAINST EARTH OR GR . . . . . 3"

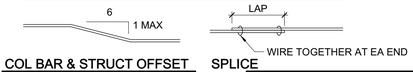
EXPOSED TO EARTH (FORMED) OR WEATHER
#5 & SMALLER . . . . . 1½"
#6 & LARGER . . . . . 2"

NOT EXPOSED TO EARTH OR WEATHER
#5 & SMALLER . . . . . 1"
#6 & LARGER, & ALL BM STIRRUPS, COL TIES & SPIRALS . . . . . 1½"

ALL REINF SHALL EXTEND AS FAR AS POSSIBLE. WHERE BAR SPLICES ARE REQUIRED, BARS SHALL BE LAPPED PER SCHEDULE ABOVE UNLESS DETAILED OTHERWISE. WHERE REINF TERMINATES AT END OF MEMBER, REINF SHALL END IN A STD 90° OR 180° HK UNLESS DETAILED OTHERWISE.

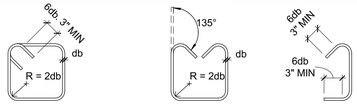


STANDARD HOOKS & BENDS



COL BAR & STRUCT OFFSET

SPLICE



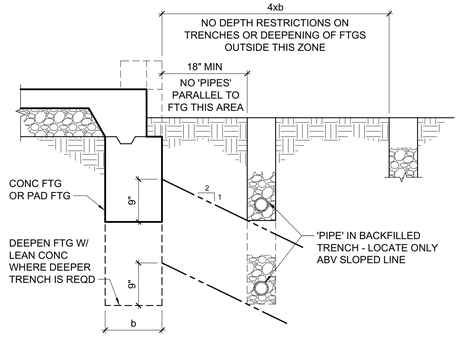
135° STIRRUP TIES #3, #4, #5

STIRRUP #3, #4, #5

CROSSTIE #3, #4, #5

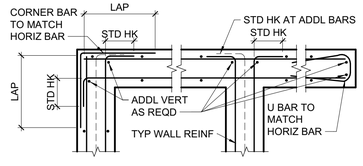
1 TYPICAL REINFORCING DETAILS (f'c = 3000psi MIN)

3/4" = 1'-0"



2 TRENCHING ADJACENT TO FOOTING

3/4" = 1'-0"



NOTE:
FOOTING REINFORCING AT CORNER AND INTERSECTION TO BE SIMILAR

3 TYPICAL CORNER, INTERSECTION AND END REINFORCING

3/4" = 1'-0"

F STRUCTURAL SPECIFICATIONS

CONCRETE CONSTRUCTION

1. CONCRETE SHALL MEET THE FOLLOWING REQUIREMENTS:

LOCATION	MIN 28-DAY STRENGTH (PSI)	AGGREGATE SIZE	MAX WATER TO CEMENTITIOUS MATERIALS RATIO	MIN SACKS CEMENTITIOUS MATERIAL PER CUBIC YARD[3]
STRUCTURAL				
FOUNDATIONS	3,000	1"x#4	0.53	5.0
RETAINING WALLS	4,000	1"x#4	0.46	6.0
NON-STRUCTURAL				
LEAN CONC FOR FTG BACKFILL	-	-	-	3.0

2. CONCRETE MIX DESIGN AND TESTING SHALL MEET THE REQUIREMENTS OF CBC SECTIONS 1705 AND 1903, ACI CODE-318, ACI SPEC-301, AND THESE SPECIFICATIONS. **SUBMIT MIX DESIGN AND SUPPORTING DOCUMENTATION IN ACCORDANCE WITH ACI SPEC-301 AND ACI CODE-318 FOR REVIEW PRIOR TO PLACEMENT.**

CEMENT:	ASTM C150 TYPE II
AGGREGATE:	ASTM C33
FLY ASH:	ASTM C618 CLASS F
SLAG CEMENT:	ASTM C989 GRADE 100 OR 120
WATER:	ASTM C1602
ADMIXTURES:	ASTM C494, C260

3. FLY ASH MAY BE SUBSTITUTED UP TO 25% FOR CEMENT AT A POUND-FOR-POUND RATE, UNLESS SPECIFIED OTHERWISE. DO NOT USE FLY ASH IN HIGH EARLY STRENGTH CONCRETE. SLAG CEMENT MAY BE SUBSTITUTED UP TO 45% FOR CEMENT AT A POUND-FOR-POUND RATE, UNLESS SPECIFIED OTHERWISE. DO NOT USE SLAG CEMENT IN HIGH EARLY STRENGTH CONCRETE.
4. REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60 OR A706 GRADE 60. STEEL SHALL BE KEPT CLEAN AND FREE OF RUST. SECURELY TIE REBAR IN PLACE PRIOR TO CONCRETE PLACEMENT. **SUBMIT SHOP DRAWINGS FOR REVIEW PRIOR INSTALLATION.**
5. SLABS, BEAMS, WALLS, AND OTHER CONCRETE SHALL BE KEPT CONTINUOUSLY WET FOR 48 HOURS, AFTER PLACEMENT, AND SHALL BE KEPT DAMP FOR 7 DAYS AFTER PLACEMENT.
6. MECHANICAL COUPLERS FOR REINFORCING STEEL TO BE "L-SERIES BAR LOCK" BY DAYTON SUPERIOR (ESR-2495) OR EQUAL COUPLER WITH ICC REPORT, UNO.
7. HIGH STRENGTH GROUT: ASTM C1107, NON-SHRINK, NON-METALLIC AGGREGATE TYPE, CAPABLE OF DEVELOPING MINIMUM COMPRESSIVE STRENGTH OF 7000 PSI AT 28 DAYS WHEN PLACED IN A FLUED STATE. PROVIDE "MASTERFLOW 928" MANUFACTURED BY BASF.

ABBREVIATIONS

AB	ANCHOR BOLT	FTG	FOOTING	PNL	PANEL
ABV	ABOVE	GA	GAGE or GAUGE	PSF	POUNDS PER SQUARE FOOT
AC	AIR CONDITIONING	GALV	GALVANIZED	PSI	POUNDS PER SQUARE INCH
ADJ	ADJACENT	GB	GRADE BEAM	PSL	PARALLEL STRAND LUMBER
ADDL	ADDITIONAL	GL	GRIDLINE	PTDF	PRESSURE TREATED DOUGLAS FIR
ALT	ALTERNATE	GLB	GLUE LAMINATED BEAM	PT	POINT
ALUM	ALUMINUM	GR	GRADE	R	RADIUS
ARCH	ARCHITECT	HD	HOLD DOWN	RBS	REDUCED BEAM SECTION
AYC	ALASKAN YELLOW CEDAR	HDG	HOT-DIP GALVANIZED	RFTR	RAFTER
@	AT	HDR	HEADER	REF	REFERENCE
BF	BRACED FRAME	HGR	HANGER	REINF	REINFORCING
BLDG	BUILDING	HK	HOOK	REQD	REQUIRED
BLK/BLKG	BLOCK/BLOCKING	HORIZ	HORIZONTAL	RET	RETAINING
BLW	BELOW	HSB	HIGH STRENGTH BOLT	REV	REVISION
BM	BEAM	HSG	HIGH STRENGTH GROUT	RF	ROOF
BN	BOUNDARY NAIL	HSH	HORIZONTAL SLOTTED HOLE	RWD	REDWOOD
BOT	BOTTOM	HSS	HOLLOW STRUCTURAL SECTION	S	AMERICAN STANDARD BEAM
BRG	BEARING	HT	HEIGHT	SAD	SEE ARCHITECTURAL DRAWINGS
BTWN	BETWEEN	ID	INSIDE DIAMETER	SB	SOLID BLOCK
BU	BUILT-UP	IJ	I SHAPED WOOD BUILT UP TRUSS	SC	SLIP CRITICAL
BYND	BEYOND	INT	INTERIOR	SCD	SEE CIVIL DRAWINGS
C	AMERICAN STANDARD CHANNEL	JST	JOIST	SCHED	SCHEDULE
CA	CALIFORNIA	JT	JOINT	SED	SEE ELECTRICAL DRAWINGS
CANT	CANTILEVER	KP	KING POST	SEOR	STRUCTURAL ENGINEER OF RECORD
CB	CARRIAGE BOLT	L	STEEL ANGLE	SFRS	SEISMIC FORCE RESISTING SYSTEM
CFS	COLD FORMED STEEL	Lb or #	POUND(s)	SHTG	SHEATHING
CIP	CAST IN PLACE	LGMF	LIGHT GAGE METAL FRAMING	SIM	SIMILAR
CGL	CERTIFIED GLUED LUMBER	LGMFC	LIGHT GAGE METAL FRAMING CONTRACTOR	SKYLT	SKYLIGHT
CJ	CONTROL JOINT	LL	LIVE LOAD	SLD	SEE LANDSCAPE DRAWINGS
℄	CENTERLINE	LLH	LONG LEG HORIZONTAL	SMS	SHEET METAL SCREW
CJP	COMPLETE JOINT PENETRATION	LLV	LONG LEG VERTICAL	SMD	SEE MECHANICAL DRAWINGS
CLG	CEILING	LOC	LOCATION	SOG	SLAB ON GROUND
CLR	CLEAR	LS	LAG SCREW	SPCG	SPACING
COL	COLUMN	LSL	LAMINATED STRAND LUMBER	SPD	SEE PLUMBING DRAWINGS
CONC	CONCRETE	LVL	LAMINATED VENEER LUMBER	SPEC	SPECIFICATION
CONN	CONNECTION	LWC	LIGHTWEIGHT CONCRETE	SQ	SQUARE
CONT	CONTINUOUS	MAX	MAXIMUM	SS	SELECT STRUCTURAL or STAINLESS STEEL
COORD	COORDINATE/ COORDINATION	MB	MACHINE BOLT	STGR	STAGGERED
CMU	CONCRETE MASONRY UNIT	MBM	METAL BUILDING MANUFACTURER	STD	STANDARD
CSK	COUNTERSINK	MC	MISCELLANEOUS CHANNEL	STIFF	STIFFENER
CW	CUT WASHER	MECH	MECHANICAL	STL	STEEL
DBA	DEFORMED BAR ANCHOR	MEZZ	MEZZANINE	STRUCT	STRUCTURAL
DBL	DOUBLE	MF	MOMENT FRAME	SW	SHEAR WALL
DCW	DEMAND CRITICAL WELD	MFR	MANUFACTURER	SYM	SYMMETRICAL
DF	DOUGLAS FIR	MIN	MINIMUM	T&B	TOP AND BOTTOM
DIA or ⌀	DIAMETER	MISC	MISCELLANEOUS	T&G	TONGUE AND GROOVE
DIAG	DIAGONAL	MIW	MALLEABLE IRON WASHER	THK	THICK
DIM	DIMENSION	MTL	METAL	THRD	THREADED
DIST	DISTANCE	MU	MECH UNIT	THRU	THROUGH
DJ	DOWEL JOINT	(N)	NEW	TL	TOTAL LOAD
DL	DEAD LOAD	N/A	NOT APPLICABLE	TN	TOE NAIL
DN	DOWN	NO or #	NUMBER	TOC	TOP OF CONCRETE
DO	DITTO	NS	NEAR SIDE	TOF	TOP OF FRAMING
DWG	DRAWING	NSG	NON-SHRINK GROUT	TOM	TOP OF MASONRY
DWL	DOWEL	NTS	NOT TO SCALE	TOP	TOP OF PLYWOOD
EA	EACH	NWC	NORMAL-WEIGHT CONCRETE	TOS	TOP OF STEEL
EE	EACH END	O/	OVER	TOT	TOTAL
EF	EACH FACE	oc	ON CENTER	TU	TILT UP
ELEC	ELECTRICAL	OD	OUTSIDE DIAMETER	TYP	TYPICAL
ELEV	ELEVATOR/ELEVATION	OH	OPPOSITE HAND	UNO	UNLESS NOTED OTHERWISE
EMBED	EMBEDMENT	OPNG	OPENING	VERT	VERTICAL
EQ	EQUAL	OPP	OPPOSITE	VIF	VERIFY IN FIELD
EQUIP	EQUIPMENT	OVS	OVERSIZED	VSH	VERTICAL SLOTTED HOLE
ES	EACH SIDE	OW	OTHERWISE	W	WIDE FLANGE STEEL BEAM
EW	EACH WAY	OWT	OPEN WEB TRUSS	W/	WITH
(E)	EXISTING	P	PLATE or PROPERTY LINE	W/O	WITHOUT
EXP	EXPANSION	PA	POST ABOVE	WD	WOOD
EXT	EXTERIOR	PAF	POWER ACTUATED FASTENERS	WHS	WELDED HEADED STUD
FDN	FOUNDATION	PEN	PANEL EDGE NAIL	WLD	WELDED
FIN	FINISH	PERP	PERPENDICULAR	WP	WORK POINT/WATERPROOF
FG	FINISH GRADE	PES	PANEL EDGE SCREWS	WS	WOOD SCREW
FLR	FLOOR	PJP	PARTIAL JOINT PENETRATION	WT	WEIGHT
FN	FACE NAIL	PLF	POUNDS PER LINEAR FOOT	WTS	WELDED THREADED STUD
FOC	FACE OF CONCRETE			WWR	WELDED WIRE REINFORCEMENT
FOM	FACE OF MASONRY				
FOS	FACE OF STUD				
FRMG	FRAMING				
FS	FAR SIDE				

D FOUNDATION NOTES

1. ZFA RECOMMENDS GEOTECHNICAL REPORTS FOR ALL CONSTRUCTION PROJECTS. THE GEOTECHNICAL REPORT PROVIDED FOR THIS PROJECT WAS NOT APPLICABLE TO THE SCOPE OF WORK AND UNDER DIRECTION OF THE CLIENT, ZFA IS PROCEEDING WITH FOUNDATION DESIGN BASED ON THE CONVENTIONAL PROVISIONS AND THE MINIMUM ALLOWABLE SOIL BEARING PRESSURE ALLOWED PER THE CALIFORNIA BUILDING CODE, CHAPTER 18. HOWEVER, GEOTECHNICAL AND GEOLOGICAL CONDITIONS SUCH AS EXPANSIVE AND COMPRESSIBLE SOILS, LIQUEFACTION, SLOPE INSTABILITY, ETC MAY EXIST WHICH WARRANT SPECIAL DESIGN CONSIDERATIONS. ZFA SHALL NOT BE RESPONSIBLE FOR UNSATISFACTORY PERFORMANCE RESULTING FROM THESE CONDITIONS. ALLOWABLE (ASD) FOUNDATION DESIGN PRESSURES ARE PER CBC SECTION 1806.2:

   SHALLOW FOOTINGS:
   DEAD LOAD + LIVE LOAD = 1,500 PSF
   DEAD LOAD + LIVE LOAD + LATERAL = 2,000 PSF
   ACTIVE PRESSURE = 60 PCF (PER 2022 CBC TABLE 1610.1)

2. ALL SOILS WORK SHALL BE DONE IN ACCORDANCE WITH THE SPECIFICATIONS AND THE REQUIREMENTS OF CHAPTER 18 OF THE CBC. ALL FOUNDATIONS SHALL BEAR ON FIRM, UNDISTURBED, NATIVE SOILS AT OR EXCEEDING DEPTHS SHOWN ON THE DRAWINGS. INCREASE FILL AND OR FOOTING DEPTH AS REQUIRED. ALL FOOTING EXCAVATIONS SHALL BE AS NEAT AS PRACTICABLE. MAXIMUM OVER EXCAVATION IN WIDTH SHALL BE LESS THAN 12 INCHES OR 25% OF FOOTING WIDTH, WHICH EVER IS LESS. 6 INCHES MAXIMUM PER SIDE. LARGER OVER-EXCAVATIONS IN WIDTH SHALL BE FILLED WITH ADDITIONAL REINFORCED CONCRETE AS DIRECTED BY THE ENGINEER, OR FORMWORK SHALL BE PROVIDED. OVER-EXCAVATIONS IN DEPTH MAY BE FILLED WITH LEAN CONCRETE OR COMPACTED APPROVED BACKFILL. ALL LOOSE SOILS SHALL BE REMOVED FROM EXCAVATIONS PRIOR TO PLACEMENT OF REINFORCING OR CONCRETE.
3. FORMWORK STAKES ARE NOT PERMITTED WITHIN CONCRETE PLACEMENTS. IF REQUIRED, PROVIDE STEEL STAKES SLEEVED WITH PLASTIC PIPE OR SOLID PLASTIC STAKES. WOOD STAKES NOT PERMITTED. FLUSH CUT SLEEVE OR STAKE AND FILL SLEEVES IMMEDIATELY WITH GROUT. WHERE STAKES PENETRATE VAPOR RETARDER, TAPE OR SEAL PER MANUFACTURER'S RECOMMENDATIONS.
4. DO NOT UNDERCUT EXISTING FOUNDATIONS. NOTIFY ENGINEER FOR REVIEW AND POSSIBLE REVISIONS, IF EXISTING FOUNDATION CONDITIONS ARE NOT AS SHOWN.
5. TOP OF FOOTING ELEVATIONS TO BE DETERMINED BY THE CONTRACTOR BASED ON INFORMATION FROM THE CIVIL DRAWINGS, LANDSCAPE, ETC.

E SPECIAL INSPECTION BY OWNERS TESTING AGENCY

SPECIAL INSPECTIONS AND TESTING SHALL BE PERFORMED BY AN APPROVED AGENCY IN ACCORDANCE WITH CBC CHAPTER 17 AND THE STATEMENT OF SPECIAL INSPECTIONS AS REQUIRED BY CBC SECTIONS 1704.2.3 AND 1704.3 FOR BUILDING STRUCTURAL ELEMENTS SUMMARIZED AS FOLLOWS:

1. **CONCRETE CONSTRUCTION** PER CBC SECTIONS 1705.3, AND TABLE 1705.3 INCLUDING FORMWORK, REINFORCING STEEL, MIX DESIGNS, CONCRETE SAMPLES, AND PLACEMENT FOR ALL CONCRETE. REINFORCING DOWELS FROM FOOTINGS TO RETAINING WALLS SHALL BE INSPECTED PRIOR TO PLACEMENT OF FOOTING CONCRETE AND WALL GROUT OR CONCRETE.
2. SOILS PER CBC SECTION 1705.6, TABLE 1705.6, AND THE APPROVED SOILS REPORT INCLUDING SUBGRADE PREPARATION, FOUNDATION BEARING MATERIALS AND DEPTH OF EXCAVATION, AND VERIFICATION, PLACEMENT AND TESTING OF CONTROLLED FILL.

02/27/2025

A DESIGN CRITERIA

DESIGN CRITERIA: 2022 CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 2 (CBC)
RISK CATEGORY: II
EARTHQUAKE DATA: SEISMIC IMPORTANCE FACTOR, I_e: 1.0
MAPPED SPECTRAL RESPONSE ACCELERATIONS: S_S=2.00; S_1=0.740
SITE CLASS: D (DEFAULT)
SPECTRAL RESPONSE COEFFICIENT: S_{DS}=1.605; S_{D1}=0.839
SEISMIC DESIGN CATEGORY: D

SCOPE: NEW CONCRETE STORM DRAIN OUTFALL STRUCTURE

B GENERAL NOTES

1. REFER TO SHEETS S1.1 AND S2.1 FOR STANDARD DETAILS OF CONSTRUCTION. REFER TO THE PROJECT SPECIFICATIONS FOR MATERIALS AND METHODS.
2. DIMENSIONS SHOWN ARE FOR GENERAL REFERENCE ONLY. SEE CIVIL DRAWINGS (SCD) FOR ALL ACTUAL DIMENSIONS. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER SO CLARIFICATION CAN BE MADE PRIOR TO COMMENCING WORK.
3. STRUCTURAL DRAWINGS SHALL NOT BE SCALED. ALL DIMENSIONS AND FIT SHALL BE DETERMINED AND VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCING WORK.
4. DETAILS NOT FULLY OR SPECIFICALLY SHOWN SHALL BE OF SAME NATURE AS OTHER SIMILAR CONDITIONS.
5. SHORING AND BRACING DESIGN, MATERIALS AND INSTALLATION SHALL BE PROVIDED BY THE GENERAL CONTRACTOR, AND SHALL BE ADEQUATE FOR ALL LOADS. LEAVE IN PLACE AS LONG AS MAY BE REQUIRED FOR SAFETY AND UNTIL FINAL STRUCTURAL CONSTRUCTION IS COMPLETED.
6. SPECIAL INSPECTIONS ARE REQUIRED PER E/S1.1 AND THE TESTING AND INSPECTION FORM.
7. VEHICULAR TRAFFIC, HEAVY EQUIPMENT AND MATERIAL STAGING SHALL NOT BE ALLOWED ADJACENT TO ANY RETAINING/BASEMENT WALL, NEW OR EXISTING WITHIN A HORIZONTAL DISTANCE EQUAL TO THE WALL HEIGHT MEASURED FROM THE BOTTOM OF FOOTING OR 5'-0" WHICHEVER IS GREATER, UNLESS APPROVED BY THE STRUCTURAL ENGINEER OR NOTED OTHERWISE. WITHIN THIS ZONE, ONLY HAND-OPERATED EQUIPMENT ("WHACKERS", VIBRATORY PLATES, OR PNEUMATIC COMPACTORS) SHALL BE USED TO COMPACT THE BACKFILL SOILS.
8. STRUCTURAL OBSERVATION PER CBC SECTION 1704.6 IS NOT REQUIRED. NOTIFY ZFA FOR GENERAL ON SITE REVIEW OF:
   - MINIMUM FOOTING SIZE AND REINFORCING STEEL.
   - RETAINING WALLS AND REINFORCING.

   NOTIFY ZFA FOR REVIEW PRIOR TO COVERING ABOVE LISTED WORK. PROVIDE 2 WORKING DAYS MINIMUM SCHEDULING NOTICE PRIOR TO REVIEW DATE.

C EXISTING CONSTRUCTION NOTES

1. IN PREPARING THE PROJECT PLANS, THE SOURCE OF INFORMATION WAS BASED ON THE EXISTING STRUCTURE PLANS PREPARED BY, ALEXANDER & ASSOCIATES , DATED JANUARY 1986. THE CONTRACTOR SHALL VERIFY ALL EXISTING JOB CONDITIONS, REVIEW THE PLANS AND VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ALL DISCREPANCIES AND EXCEPTIONS BEFORE PROCEEDING WITH ANY WORK. DRAWINGS FOR THE EXISTING CONSTRUCTION ARE AVAILABLE FOR REVIEW.
2. ALL WORK NOT INDICATED AS EXISTING (E) SHALL BE ASSUMED TO BE NEW (N).
3. DO NOT OVER CUT EXISTING WOOD, CONCRETE, MASONRY OR OTHER WORK TO REMAIN. CUTS SHALL BE MADE NEATLY TO A CORNER, THEN ALTERNATE MEANS SHALL BE USED TO REMOVE REMAINING MATERIAL. CONTRACTOR IS RESPONSIBLE FOR REPAIR/REPLACEMENT OF OVER CUT MATERIAL AS DIRECTED BY THE ENGINEER.
4. EXISTING DAMAGED STRUCTURAL MEMBERS WHICH ARE UNCOVERED SHALL BE REPORTED TO THE ENGINEER FOR REVIEW AND REPAIR.
5. EXISTING REINFORCING AND/OR STEEL EMBEDS THAT ARE EXPOSED DURING DEMOLITION SHALL BE WIRE-BRUSHED AND FOREIGN MATERIAL REMOVED PRIOR TO PLACEMENT OF NEW CONCRETE.
6. THIS ANALYSIS DOES NOT MAKE ANY GUARANTEE TO THE ADEQUACY OF THE STRUCTURAL DESIGN OF THE OTHER STRUCTURES NOT SPECIFICALLY ADDRESSED IN THE STRUCTURAL CALCULATIONS. ZFA SHALL NOT BE RESPONSIBLE FOR UNSATISFACTORY PERFORMANCE OF OTHER PORTIONS OF THE STRUCTURE NOT SPECIFICALLY ADDRESSED IN THE CONSTRUCTION DOCUMENTS.
7. DIFFERENTIAL SETTLEMENT BETWEEN DIFFERENT STRUCTURE FOUNDATION INTERFACES CAN BE EXPECTED. ZFA SHALL NOT BE RESPONSIBLE FOR UNSATISFACTORY PERFORMANCE RESULTING FROM THESE CONDITIONS.

SHEET INDEX

REV.	DATE	DESCRIPTION

THE CITY OF PLEASANTON

CITY OF PLEASANTON
Department of Engineering

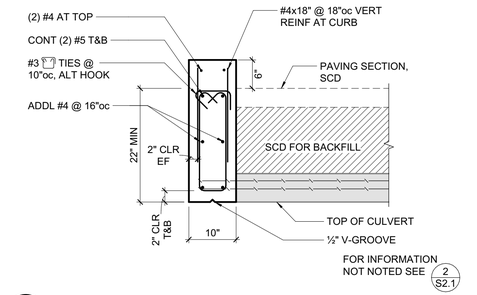
ZFA STRUCTURAL ENGINEERS
1303 jefferson street | suite 400a zfa.com
napa ca 94559 707.492.3452
zfa job no. 24079

GENERAL NOTES, SPECIFICATIONS, AND TYPICAL CONCRETE DETAILS

PURI COURT STORM DRAIN IMPROVEMENTS

ENGR: KB / CL
PM: CEM
SCALE: As indicated
PROJECT NO: 24079
DATE: FEBRUARY 25, 2025
DWG NO. S1.1
6 OF 10

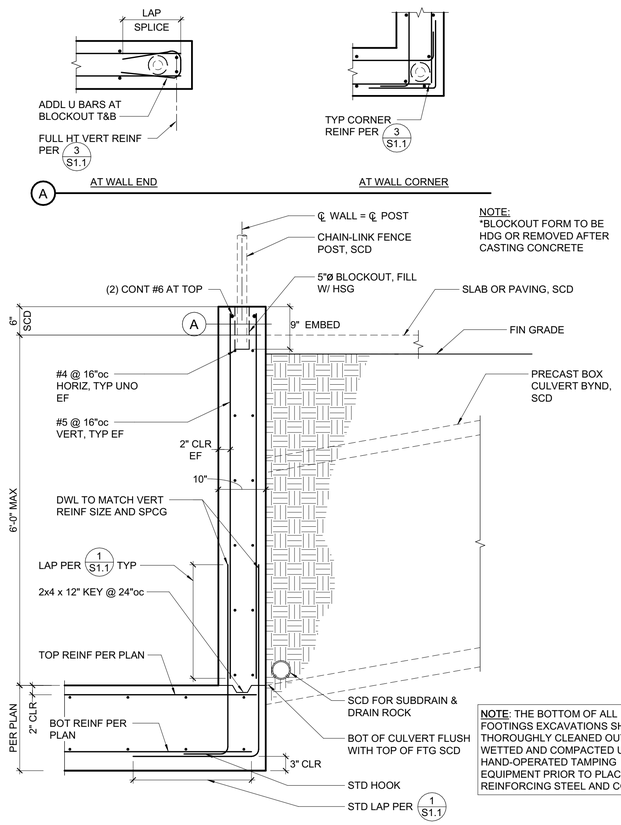
FOR PERMIT



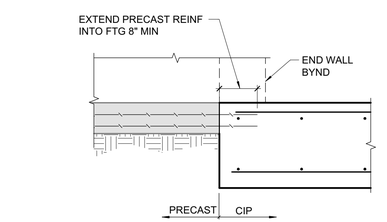
3 PARAPET DETAIL
3/4" = 1'-0"

4 CULVERT CONNECTION TO WALL
3/4" = 1'-0"

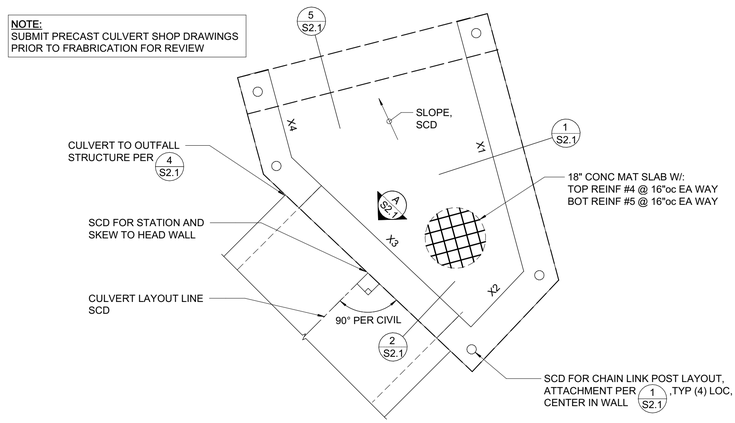
5 EDGE OF MAT SLAB
3/4" = 1'-0"



1 RETAINING WALL
3/4" = 1'-0"

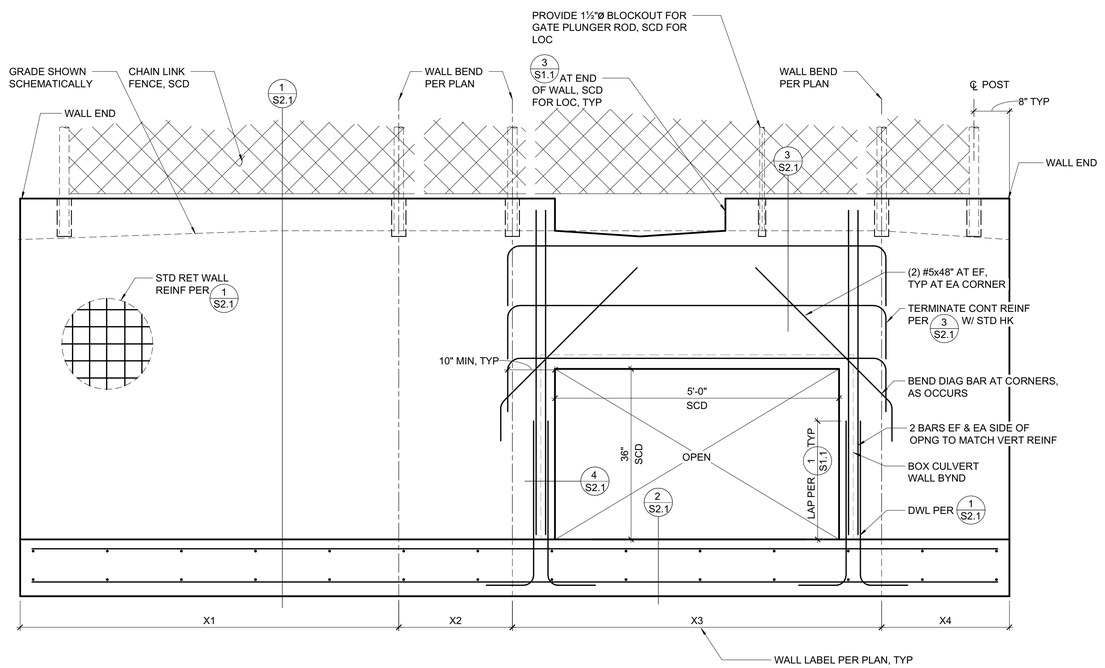


2 CONNECTION AT BOTTOM INVERT TO MAT
3/4" = 1'-0"



NORTH

STORM DRAIN OUTFALL FOUNDATION PLAN
1/2" = 1'-0"



A PROFILE: WALL ELEVATION
3/4" = 1'-0"

FOUNDATION PLAN NOTES:

1. REFER TO SHEET S1.1 AND S2.1 FOR GENERAL NOTES AND TYPICAL DETAILS. THE FOLLOWING DETAIL REFERENCES ARE PROVIDED FOR THE CONTRACTOR'S CONVENIENCE ONLY. ALL GENERAL NOTES AND TYPICAL DETAILS NOTED ABOVE ARE APPLICABLE AND SHALL BE FOLLOWED.
2. COORDINATE ALL DIMENSIONS WITH CIVIL DRAWINGS AND IN-FIELD DIMENSIONS PRIOR TO CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCIES.

PLAN LEGEND

SYMBOL	REFERENCE DETAIL	DESCRIPTION
———		INDICATES CONCRETE WALL.
O		INDICATES FENCE POST, SCD
- - -		INDICATES FOUNDATION.
X1, X2,...		INDICATES WALL LABEL.
A S2.1		INDICATES ELEVATION.

KEVIN G. ZUCCO No. 4851 STRUCTURAL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA
02/27/2025

REV.	DATE	DESCRIPTION

THE CITY OF PLEASANTON

CITY OF PLEASANTON
Department of Engineering

ZFA STRUCTURAL ENGINEERS
1303 jefferson street | suite 400a zfa.com
napa ca 94559 707.492.3452
zfa job no. 24079

OUTFALL FOUNDATION PLAN AND DETAILS

PURI COURT STORM DRAIN IMPROVEMENTS

ENGR: KB / CL
PM: CEM

SCALE: As indicated
PROJECT NO: 24079
DATE: FEBRUARY 25, 2025

DWG NO. S2.1
7 OF 10

FOR PERMIT

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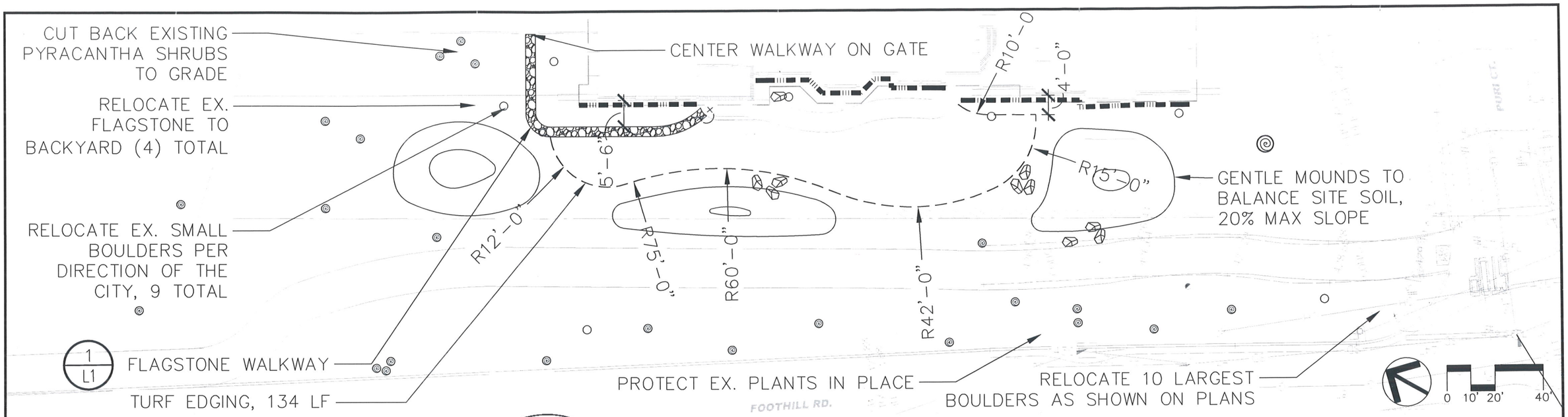


REGISTERED PROFESSIONAL ENGINEER
ADAM MATTHEW NELKIE
No. 78830
Exp. 9/30/2025
CIVIL
STATE OF CALIFORNIA

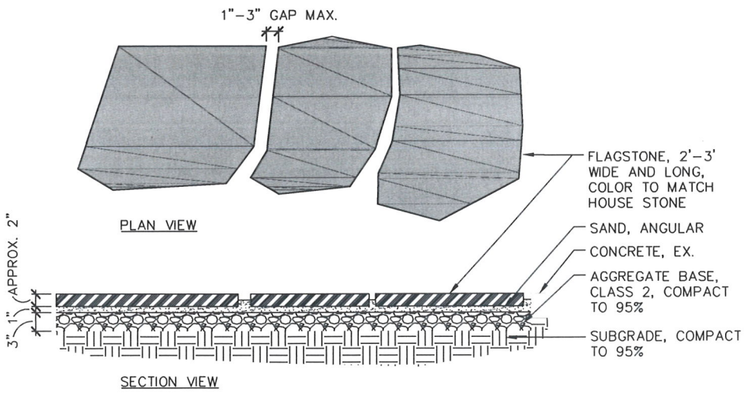
SITE CONSTRUCTION AND GRADING LEGEND

- EXISTING TREE TO REMAIN
- EXISTING TREE TO BE REMOVED
- BOULDER, RELOCATED (10 TOTAL)
- FLUSH CONDITION
- FRENCH DRAIN 2/L1

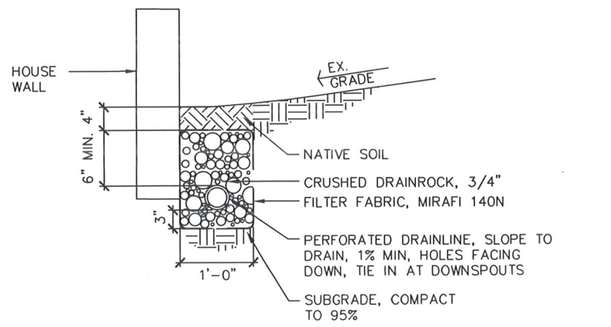
SITE CONSTRUCTION AND GRADING NOTES

1. GRADING AND DRAINAGE: ALL PROPOSED PAVING AND PLANTING AREAS SHALL SMOOTHLY CONFORM TO EXISTING ADJACENT FEATURES TO REMAIN. PROVIDE POSITIVE DRAINAGE ON ALL PAVING AND THROUGHOUT ALL PLANTING AREAS. FLOOD PAVED AREAS UPON COMPLETION AND RECONSTRUCT ANY LOW SPOTS AS DIRECTED.
2. TOPSOIL STOCKPILE: STRIP AND STOCKPILE NATIVE TOPSOIL IN AN AMOUNT SUFFICIENT TO INSTALL A 6 INCH LAYER OF TOPSOIL IN ALL PROPOSED PLANTING AREAS. STOCKPILE LOCATION(S) TO BE DETERMINED DURING CONSTRUCTION.
3. TOPSOIL PLACEMENT: CROSS-RIP ALL ROUGH-GRADED PLANTING AREA SUBSOILS AS SPECIFIED PRIOR TO TOPSOIL PLACEMENT.
4. BACKFILL: EXCAVATED MATERIAL NOT SUITABLE FOR BACKFILLING SHALL BE REMOVED AND LEGALLY DISPOSED OF OFF-SITE
5. EXISTING STORM DEBRIS: THE EXISTING ROCK AND DEBRIS THAT WAS WASHED ON SITE SHALL BE REMOVED AND TAKEN DOWN TO THE NATIVE GRADE PRIOR TO AMENDING THE SOILS. ASSUME 60 CY OF OFFHAUL. CONFIRM EXTENT OF THE OFFHAUL AREA WITH THE CITY PRIOR TO REMOVING DEBRIS.
6. STANDARDS: ALL IMPROVEMENTS SHALL BE PER CITY OF PLEASANTON STANDARD DETAILS AND SPECS.
7. TURF EDGING: SHALL BE PERMALOC CLEANLINE OR APPROVED EQUAL, BLACK COLOR, INSTALL PER MANUFACTURER'S RECOMMENDATIONS. REVIEW LAYOUT WITH CITY PRIOR TO INSTALLATION.

NOTE: INSTALL FLAGSTONE FLUSH WITH ADJACENT PAVEMENT



1/L1 FLAGSTONE WALKWAY — 0 1/2' 1' 2' — Flagstone_12.dwg



2/L1 FRENCH DRAIN — 0 1/2' 1' 2' — FrenchDrain_12.dwg

REV.	DATE	DESCRIPTION

THE CITY OF PLEASANTON

CITY OF PLEASANTON
PUBLIC WORKS DEPARTMENT

ADAM M. NELKIE
CITY ENGINEER
NO. 78830
EXP. 9/30/25

SITE CONSTRUCTION AND FINE GRADING PLAN

PURI COURT STORM DRAIN IMPROVEMENTS

DESIGN:	MG
DRAWN:	SN
CHECKED:	AN
TRAFFIC ENGINEER:	MT

SCALE:	AS SHOWN
PROJECT NO.:	25415
DATE:	FEB 10, 2025

DWG NO. L1

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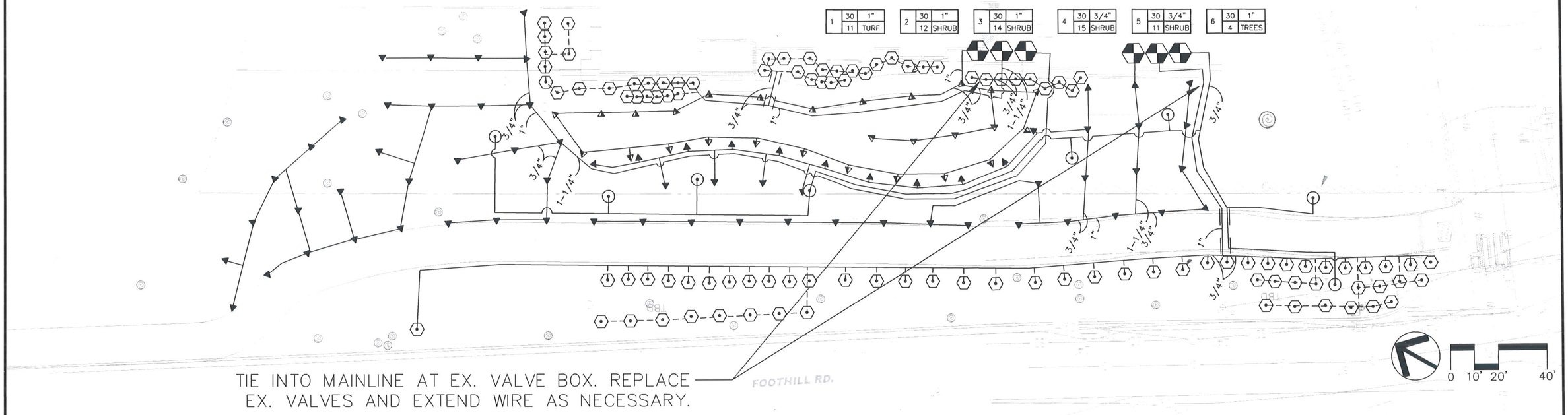

TIE INTO MAINLINE AT EX. VALVE BOX. REPLACE EX. VALVES AND EXTEND WIRE AS NECESSARY.

WATER BUDGET CALCULATIONS

Maximum Applied Water Allowance (MAWA)	Project Type	ETo	ETAF	Special Landscape Area (SLA)	Total Landscape Area including SLA	MAWA (gal/yr)	
	Residential	46.2	0.55	-	9,366	131,642	MAWA = (ETo) * (0.62) * (ETAF*LA + (1-ETAF) * SLA)

Estimated Total Water Use (ETWU)	ETo	(SF * PF) / IE	SLA	ETWU (gal/yr)	
	46.2	4,391	-	125,770	ETWU = (ETo) * (0.62) * (PF*SF/IE) + SLA)
	Difference between MAWA and ETWU			5,873	Project meets water budget.

ETWU Calculation (Regular landscape areas) Add Hydrozone	Zone #	Description	Select Irrigation	Square Feet (SF)	Plant Factor (PF)	Irrigation Efficiency (IE)	(SF * PF) / IE
	1	Parkway	Bubbler	1,916	0.25	0.81	474
	2	Turf	Spray	1,200	0.70	0.75	1,126
	3	Shrubs	Spray	6,229	0.45	0.75	2,789
	4					#REF!	-
	Landscape area (not including SLA)			9,366			4,391

REGISTERED PROFESSIONAL ENGINEER
ADAM MATTHEW NELKIE
No. 78830
Exp. 9/30/2025
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STATE OF CALIFORNIA

IRRIGATION LEGEND

- TURF SPRAY, HUNTER, PROS-06-PRS30-MP1000, ARC AS REQUIRED
- SHRUB SPRAY, HUNTER, PROS-12-PRS30-MP1000, ARC AS REQUIRED
- LATERAL LINE, SCH 40 PVC, SIZE PER PLAN, 3/4" SIZE MINIMUM
- FLEXIBLE PVC PIPE, IPS, 1/2-INCH SIZE
- TREE BUBBLER, RAINBIRD 1401, EACH SYMBOL REPRESENTS 2 BUBBLERS PER TREE
- SHRUB BUBBLER, RAINBIRD 1401, EACH SYMBOL REPRESENTS 1 BUBBLER PER SHRUB
- SLEEVE, SCH 40 PVC, SIZE AS REQUIRED, MINIMUM OF 2X COMBINED PIPE SIZE
- REMOTE CONTROL VALVE, HUNTER, ICV SERIES, SIZE PER PLAN

1	30	1"
	12	TURF

VALVE #
OPERATING PRESSURE
VALVE SIZE
WATER AREA
APPROXIMATE GPM THROUGH VALVE

IRRIGATION NOTES

1. SPECIFICATIONS: SEE IRRIGATION SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. VERIFICATION: SYSTEM DESIGN IS BASED ON AN ASSUMED PRESSURE OF 30 PSI AND A MAX FLOW RATE OF 15 GPM.

   VERIFY SAME AND NOTIFY CITY'S REPRESENTATIVE IF SUCH DATA ADVERSELY AFFECTS THE OPERATION OF THE SYSTEM. SUCH NOTICE SHALL BE MADE IN WRITING AND PRIOR TO COMMENCING ANY IRRIGATION WORK.
3. UTILITIES: VERIFY LOCATION OF ALL ON-SITE UTILITIES. RESTORATION OF DAMAGED UTILITIES SHALL BE MADE AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE CITY.
4. SCHEMATIC: SYSTEM FEATURES ARE SHOWN SCHEMATICALLY FOR GRAPHIC CLARITY. INSTALL ALL PIPING AND VALVES IN COMMON TRENCHES WHERE FEASIBLE AND INSIDE PLANTING AREAS WHENEVER POSSIBLE. ALL VALVES SHALL BE LOCATED IN GROUNDCOVER OR SHRUB AREAS WHENEVER POSSIBLE.
5. CODES: IRRIGATION SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH ALL LOCAL CODES AND MANUFACTURER'S SPECIFICATIONS. NOTIFY CITY'S REPRESENTATIVE BY TELEPHONE AND IN WRITING OF ANY CONFLICTS PRIOR TO INSTALLATION.
6. SLEEVING: CONTRACTOR SHALL INSTALL NEW SLEEVES WHEREVER SHOWN ON PLANS OR REQUIRED FOR THE IRRIGATION.
7. MAINLINE BREAK: SHOULD THE EXISTING MAINLINE BREAK OR BE SHUT OFF FOR ANY REASON DURING THE COURSE OF CONSTRUCTION THE CONTRACTOR SHALL HAND WATER ALL TREES, SHRUBS, TURF, AND GROUNDCOVER THAT THE EXISTING IRRIGATION SYSTEM WATERS. CONTINUE TO DO SO UNTIL THE IRRIGATION SYSTEM IS OPERABLE.
8. EXISTING IRRIGATION MODIFICATION AND TESTING: CONTRACTOR SHALL REVIEW THE LAYOUT OF THE EXISTING IRRIGATION TO BE MODIFIED WITH THE CITY AND HOMEOWNER PRIOR TO MODIFYING EQUIPMENT. CONTRACTOR SHALL ENSURE THAT ALL EXISTING IRRIGATION SYSTEMS ARE IN WORKING CONDITION AND NOT DAMAGED DURING CONSTRUCTION.
9. CERTIFICATE OF COMPLETION: THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE CITY WITH A CERTIFICATE OF COMPLETION FOR THE PROJECT PER THE WATER EFFICIENT LANDSCAPE ORDINANCE, INCLUDING A 3RD PARTY IRRIGATION AUDIT, PRIOR TO THE SUBSTANTIAL COMPLETION WALK THROUGH.

REV.	DATE	DESCRIPTION

THE CITY OF PLEASANTON

CITY OF PLEASANTON
PUBLIC WORKS DEPARTMENT

ADAM M. NELKIE
CITY ENGINEER
NO. 78830
EXP. 9/30/25

IRRIGATION PLAN

PURI COURT STORM DRAIN IMPROVEMENTS

DESIGN:	MG
DRAWN:	SN
CHECKED:	AN
TRAFFIC ENGINEER:	MT
SCALE:	AS SHOWN
PROJECT NO:	25415
DATE:	FEB 10, 2025

DWG NO. L2

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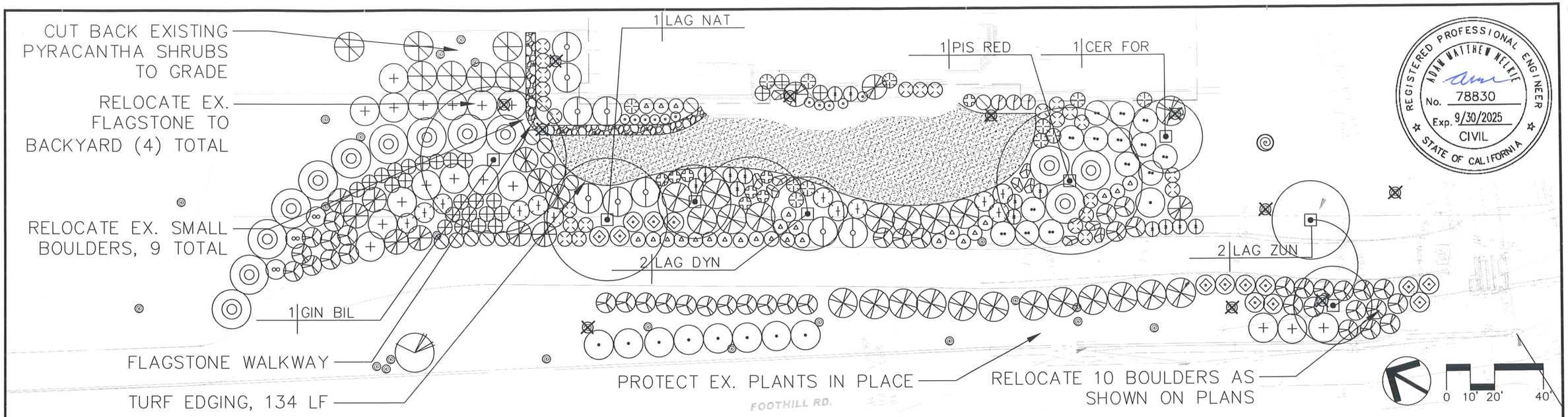

REGISTERED PROFESSIONAL ENGINEER
ADAM MATTHEW NELKIE
No. 78830
Exp. 9/30/2025
CIVIL
STATE OF CALIFORNIA

PLANT LEGEND

TURF FROM SOD

EXISTING TREE TO REMAIN

EXISTING TREE TO BE REMOVED

PROPOSED TREE

1 GIN BIL — PLANT CALLOUT

SHRUB MASS

BOULDER, RELOCATED (10 TOTAL)

PLANT LIST

ABBREV.	BOTANICAL NAME	COMMON NAME	SIZE	WATER NEEDS	SPACING	QUANTITY
TREES						
CER CAN	CERCIS CANADENSIS 'FOREST PANSY'	FOREST PANSY REDBUD	15 GAL	M	AS SHOWN	1
GIN BIL	GINKGO BILOBA 'PRINCETON SENTRY'	PRINCETON SENTRY GINKGO	15 GAL	M	AS SHOWN	1
LAG DYN	LAGERSTROEMIA 'DYNAMITE'	DYNAMITE CRAPE MYRTLE	15 GAL	L	AS SHOWN	2
LAG NAT	LAGERSTROEMIA 'NATCHEZ'	NATCHEZ CRAPE MYRTLE	15 GAL.	L	AS SHOWN	1
LAG ZUN	LAGERSTROEMIA 'ZUNI'	ZUNI CRAPE MYRTLE	15 GAL	L	AS SHOWN	2
PIS RED	PISTACIA 'RED PUSH'	RED PUSH PISTACHE	15 GAL	L	AS SHOWN	1
SHRUBS						
ACA COU	ACACIA COGNATA 'COUSIN ITT'	COUSIN ITT ACACIA	1 GAL	L	3'-0" O.C.	3
ALS THE	ALSTOEMERIA 'THE THIRD HARMONIC'	THE THIRD HARMONIC PERUVIAN LILY	1 GAL	M	4'-0" O.C.	12
ANI BUS	ANIGOZANTHOS 'RUBY VELVET'	RUBY VELVET KANGAROO PAW	1 GAL	L	2'-6" O.C.	8
CAL LIT	CALLISTEMON 'LIITLE JOHN'	LITTLE JOHN BOTTLEBRUSH	1 GAL	L	3'-0" O.C.	26
COL PUL	COLEONEMA PULCHRUM 'SUNSET GOLD'	SUNSET GOLD BREATH OF HEAVEN	1 GAL	M	5'-0" O.C.	13
HYP MOR	HYPERICUM MORIANUM	GOLD FLOWER	1 GAL	M	3'-0" O.C.	25
LEU SAL	LEUCADENDRON SALIGNUM 'WINTER RED'	WINTER RED CONEBUSH	1 GAL	L	4'-0" O.C.	3
LOR PUR	LOROPETALUM CHI. 'PURPLE MAJESTY'	PURPLE MAJESTY FRINGE FLOWER	5 GAL.	L	6'-0" O.C	9
LOR JAZ	LOROPETALUM CHI. 'JAZZ HANDS'	JAZZ HANDS FRINGE FLOWER	1 GAL	L	5'-0" O.C.	14
OLE LIT	OLEA EUROPAEA 'LITTLE OLLIE'	LITTLE OLLIE OLIVE	1 GAL	VL	8'-0" O.C.	13
PHO FRA	PHOTINIA X FRASERII	FRASIERS PHOTINIA	5 GAL	M	6-0" O.C.	7
POL FRU	POLYGALA FRUTICOSA 'PETITE BUTTERFLIES	PETITE SWEET PEA	1 GAL	M	3'-0" O.C.	25
PRU CAR	PRUNUS CAROLINIANA 'COMPACTA'	COMPACT CAROLINA CHERRY LAUREL	5 GAL	L	6'-0" O.C.	9
RHA CAL	RHAMNUS CAL. 'MOUND SAN BRUNO'	MOUND SAN BRUNO COFFEEBERRY	5 GAL	L	8'-0" O.C.	1
WES BLU	WESTRINGIA FRUTICOSA 'BLUE GEM'	BLUE GEM COAST ROSEMARY	1 GAL	L	6'-0" O.C.	22
GROUNDCOVERS/ROSES						
ACH MIL	ACHILLEA MILLEFOLLIUM 'MOONSHINE'	MOONSHINE YARROW	1 GAL	L	2'-0" O.C.	11
BAC PIL	BACCHARIS PILULARIS 'TWIN PEAKS'	DWARF COYOTE BRUSH	1 GAL	L	6'-0" O.C.	17
LIR MUS	LIRIOPE MUSCARI 'MAJECTIC'	MAJECTIC BIG BLUE LILY TURF	1 GAL	M	3'-0" O.C.	12
ROS FLO	ROSA CV. FLOWER CARPET 'WHITE'	WHITE FLWOER CARPET ROSE	2 GAL	M	3'-0" O.C.	14
ROS ICE	ROSA 'ICEBERG'	ICEBERG FLORIBUNDA ROSE	2 GAL	M	3'-0" O.C.	12
ROS OFF	ROSMARINUS OFFICINALIS 'PROSTRATUS'	PROSTRATE ROSEMARY	4-INCH	L	4'-0" O.C.	41
WES LOW	WESTRINGIA FRUTICOSA 'LOW HORIZON'	LOW HORIZON COAST ROSEMARY	1 GAL	L	4'-0" O.C.	14

PLANTING NOTES

1. MULCH: CONTRACTOR SHALL INSTALL A 3-INCH LAYER OF WALK-ON BROWN MULCH IN ALL NEW PLANTING AREAS AND IN THE EXISTING PLANTING AREA BETWEEN THE SIDEWALK AND STREET.
2. EXISTING PLANT MATERIAL: REMOVE ALL DEAD SHRUBS FROM THE PROPOSED PLANTING AREA. PROTECT ALL OTHER EXISTING PLANT MATERIAL (SHRUBS AND TREES) TO REMAIN. REPAIR ANY DAMAGES INCURRED AS A DIRECT RESULT OF THIS CONTRACT TO THE CITY'S SATISFACTION AT NO ADDITIONAL COST.
3. GROUNDCOVER: PROVIDE GROUNDCOVER AT INDICATED ON-CENTER SPACING THROUGHOUT ALL AREAS TO BE PLANTED. GROUNDCOVER SHALL BE PROVIDED UP TO THE WATERING BASIN OF ALL TREES/ SHRUBS.
4. QUANTITIES: THE QUANTITIES SHOWN ON THE LABELS ARE NOT TO BE CONSTRUED AS THE COMPLETE AND ACCURATE LIMITS OF THE CONTRACT. FURNISH AND INSTALL ALL PLANTS SHOWN SCHEMATICALLY ON THE DRAWINGS.
5. TOPSOIL: ALL PLANTING AREAS TO RECEIVE A SIX INCH LAYER OF NATIVE TOPSOIL PER CITY STD. SPECS.
6. STANDARDS: INSTALL ALL PLANTING AND IRRIGATION PER CITY OF PLEASANTON STANDARD DETAILS AND SPECIFICATIONS.
7. TREE REMOVAL: ALL TREES REMOVAL SHALL BE PER CITY STANDARD SPECIFICATIONS.
8. TURF FROM SOD: TURF FROM SOD SHALL BE 90/10 TALL FESCUE MIX, AVAILABLE FROM DELTA BLUEGRASS, OR APPROVED EQUAL. 1,210 SF TOTAL.
9. BOULDER INSTALLATION: INSTALL THE BOULDERS PER THE DIRECTION OF THE CITY LANDSCAPE ARCHITECT SO THAT 1/4 TO 1/3 OF THE BOULDER IS BURIED IN THE GROUND.
10. SOILS TESTING: CONTRACTOR SHALL COLLECT TWO SOIL SAMPLES ONCE THE GRADE HAS BEEN RESTORED TO THE NATIVE GRADE. ONE SAMPLE SHALL BE FOR THE TURF AREA AND ONE FOR THE SHRUBS AND GROUNDCOVER AREA. CONTRACTOR TO AMEND SOILS PER RECOMMENDATIONS FOR THE TEST RESULTS.
11. TURF EDGING: REFER TO THE SITE CONSTRUCTION PLAN.

REV	DATE	DESCRIPTION

THE CITY OF PLEASANTON

CITY OF PLEASANTON
PUBLIC WORKS DEPARTMENT

ADAM M. NELKIE
CITY ENGINEER
NO. 78830
EXP. 9/30/25

PLANTING PLAN

PURI COURT STORM DRAIN IMPROVEMENTS

DESIGN:	MG
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	10 OF 10

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