NEVADA IRRIGATION DISTRICT

NOTICE TO PLANHOLDERS

NID Hydro Field Office Renovation

PROJECT NO. C0011

ADDENDUM NO. 2

October 15, 2026

Notice is hereby given to prospective quoters that the Plans and Specifications for the **NID Hydro Field Office Renovation,** Project No. C0011 have been modified as hereinafter set forth. This Addendum No. 2 shall form a part of the Contract Documents and takes precedence over the original Contract Documents.

Item 1: Extended Bid Due Date

Bids are due October 27th, 2026, at 3:00 PM.

The District's main office will receive the sealed Quotes until 3:00 P.M. local time on October 27, 2026.

Item 2: RFI Responses

The following attached pages showing responses to RFI's received by NID. All referring attachments are listed below and attached in the following pages.

Item 3: Updated Quote Schedule

See attached updated quote schedule, reflecting changes per Addenda Nos. 1 and 2.

Item 4: Existing Roofing Specification

See attached existing roofing specifications.

Item 5: Existing Building As-Builts

See attached existing building as-built drawings (photos).

Addendum #2

Item 2: RFI Responses

Quoter RFIs and NID Responses
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	Question	Answer
1	The bid documents state NID reserves the right to accept certain bid items and reject others Please clarify if award may be made on individual bid schedule items and identify which bid items may be removed after bid without renegotiation of general conditions, overhead, bonds, supervision, and schedule impacts (Bid Documents Instruction to Quoters)	Quoter selection will be as presented in the Basis for Selection section, considering the Total Base Quote Price. However, depending on the bid amount and final District budgets, award may remove some bid items as part of a value engineering process. The District anticiaptes coordination with the selected quoter.
2	Special Conditions indicate 300 calendar days. Please confirm anticipated Notice to Proceed date and any required milestone completion dates beyond final completion	Notice of Award (NOA) will be made within the time frames identified in the Award of Contract section, which are anticipated to be be within 70 days of the bid date, per the project RFQ. Currently (with this addendum bid due date of October 27, 2026), the NOA is anticipated to be on or before the first week of January 2027. The Notice to Proceed will be issued concurrently or shortly after the NOA.
3	Please provide directions on whether a contingency should be included for cases such as manufacturer delays, shipping delays, manufacturer price increases, pandemic closures, unforeseen site conditions, etc	Quoters should include or exclude contingency in their bid as they see fit to manage risks. NID aims to have a contract with a predictable schedule and thus provides what are believed to be a reasonable number of calendar days to deliver the project. However, if a good faith effort is demonstrated, NID may consider extraordinary conditions resulting in project delays. As of the writing of this response, no RFIs have been received from quoters indicating that the proposed work schedule is unreasonable.
4	Clarify all work to be done is during straight time, including all craning and rigging of equipment	All work shall be completed during normal work hours as presented in the RFQ. Work can be scheduled during non-working hours if approved by the District and the City of Colfax. Non-working hour activity may require that the Quoter provide notice to the neighbors in advance of such activity and possibly provide some form of mitigation, such as noise abatement. Such timing needs should be included on the Quoter's project schedule and submitted to the District.
5	Will payment applications be allowed for stored materials? If so, what documentation is required and what percentage of stored material value is eligible for payment?	See 7-1.07 Progress payment estimates will include work finished and materials delivered to the site. Quote schedule items of work based on unit prices will be estimated as the number of units completely installed. Items based on lump sum prices will be estimated as the percent completed. Payment for the unused portion of materials to become part of the finished work which have been properly stored and secured on site and for which submittals have been approved, may be included in the progress payment estimate. Invoices for such materials must be attached to the request.
6	Please confirm retainage percentage to be applied to base contract items and allowances and whether retainage treatment differs for stored materials	See 7-1.08 Retainage is 5% and is not different for stored materials
7	Who is IOR or are we to coordinate with local building department for permits and inspections?	NID will have an inspector / construction manager on behalf of the District, but they are not the official Inspector of Record. The City of Colfax (or Placer County if they so designate) will provide the buidling department inspector(s). See Section 10-2.02 of the RFQ documents.

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	Question	Answer
8	Will contractor laydown and staging area be provided onsite?	Any paved area on site on either side of the building is available as a staging area. Some interior space within the building improvement areas will also be available as long as it doesn't encumber District use of the building. All staging area use of interior space shall only as approved by the District. All laydown and staging areas used by the Quoter shall provide their own security measures.
9	Please provide all hazardous materials reports and surveys If no survey exists, confirm whether hazardous material abatement is to be carried as an allowance and provide assumed quantities	NID is in the process of obtaining hazardous material inpection. The building was constructed in 2000 and it is not anticiapted that hazardous materials, such as lead and asbestos, will be found. Quoter may assume zero quantities for purposes of the bid. If any such materials are observed, their handling will be negotiated as a changed condition.
10	Please provide current as-built drawings for mechanical, plumbing, fire sprinkler, controls, electrical, and communications systems Confirm contractor may rely on provided as-builts for bidding purposes	NID only has pictures of the record drawings for the existing building. They are included with this addendum as an attachment.
11	Addendum 1 states the contractor must include correction of deficiencies identified in the 2023 inspection report, and any new deficiencies discovered later will be negotiated Please confirm bid scope is limited solely to the deficiencies listed in the attached fire alarm inspection report and that any additional deficiencies discovered after award will be handled by change order	New fire alarm inspection will be conducted and provided to the selected quoter. Quoters shall include corrections as noted in the existing 2023 inspection report. Any new fire alarm requirements identfied from new inspections will be negotiated as a changed condition.
12	If equipment or material are delayed , will the start date of LD's be extended?	See response to RFI No. 3.
13	Please provide contact info for current roofing contractor who holds warranty or preferred roofing contractor.	The specification for the roofing says the contractor warranty is valid for 2 years, meaning it expires 3/12/27 (per Notice of Completion date). The manufacturers warranty is 25 years. See RFI No. 124 and attached roofing spec. The roofing Contractor is DCI, Inc., Dan Rossovich 530-537-9902
14	For fire alarm, is restoring and establishing central station monitoring included in the base scope? If so, who is the monitoring provider and what contract duration should be included?	See response to RFI No. 63. NID will pay for the monitoring directly.
15	For fire sprinkler, Please confirm sprinkler design criteria, required hazard classifications, and whether seismic bracing upgrades are required throughout or only in modified areas	This info is available on sheet F001
16	Detail on sheet F100 shows where fire sprinkler demo occurs All other areas are considered existing and not part of the scope of work. Please confirm	Fire Sprinkler drawings are diagrammatic in nature only, the installing contractor shall be responsible for determining exact pipes/sprinklers that could be in scope
17	Detail 1 on sheet F101 shows restroom 183 and the new first floor tenant improvement areas are the only locations where changes may occur in the fire sprinklers system All other areas exist and are not part of the scope of work Please confirm	Fire Sprinkler drawings are diagrammatic in nature only, the installing contractor shall be responsible for determining exact pipes/sprinklers that could be in scope
18	For electrical, Has load capacity of the existing service been verified? Confirm no utility transformer, service upgrade, or PG&E improvements are required under base bid	The Permit Approved electrical drawings show a calculated load of 562.9 amps and the existing service is 1200A

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	Question	Answer
19	Is any work required with the security system? What system is preferred?	Security and access control systems are by NID's separate vendor and are not in this contract. The contractor provides conduit, back boxes and power where shown.
20	Is security system required? Basis of design manufacturer?	Security and access control systems are by NID's separate vendor and are not in this contract. The contractor provides conduit, back boxes and power where shown.
21	Is pre balance required?	A pre-balance on existing units is not required because the existing HVAC units are removed and replaced with new units
22	Will duct cleaning be a requirement as part of this project?	All new ductwork shall be covered during construction per CalGreen requirements. No duct cleaning is included with the project scope.
23	For mechanical are the units served by DDC controls or stand-alone thermostats? If DDC controls, please verify preferred DDC controls manufacture	Design is for standalone local thermostats, NID is not planning on installing DDC controls or a BMS at this time.
24	The drawings show new full height walls per detail 1 on sheet A4.3 per clouded area related to Delta 2 Please identify the size and gauge of the metal stud walls in restroom #183	New non-structural partitions per S-212, 3-5/8" 20 ga (350S125-33) at 16" o.c. with mid-height bracing per 9/S-301, moisture-resistant GWB at wet walls per A5.4 Detail 9. Double studs at compartment door jambs; 18 ga studs at compartment door jambs and grab-bar walls.
25	We assume that all acoustical sealants at the bottom track of new walls are sound sealant only and not fire rated Please clarify	Correct for non-rated walls (A5.4 Detail 5). At fire-rated assemblies (Type B, U419; Type D, U493; the L562 floor/ceiling), joints must use a tested, listed fire-resistive joint system per A5.4 notes 2, 3 and 8 (ASTM E1966/UL 2079).
26	We assume all light gauge metal stud framing in the new first floor tenant improvement area will follow details on sheets A5.0 and A5.1 Please confirm	Confirmed. Non-bearing interior metal stud partitions follow A5.0 and A5.1; where the structural drawings are more stringent, they govern.
27	Detail 3 on sheet A5.0 shows CRC and support clips horizontally at 4’-0 OC We assume this only occurs on full height walls where drywall doesn’t extend to full height. Please confirm	Per the stud bridging details and Interior Non-Bearing Metal Stud Wall Framing Note 3, bridging at 4'-0" o.c. max is required at all interior non-bearing walls without full-height sheathing on both sides. That includes walls where studs run past the GWB to structure, walls sheathed on one side, and partial-height walls. Bridging may be omitted where full-height sheathing occurs on both sides.
28	Sheet A5.8 calls for Hilti Products at the Fire Stop locations Can an alternate product be used if it meets or exceeds the required ASTM and UL Ratings Please confirm	Yes, as a substitution request. An alternate manufacturer is acceptable if it meets the same F/T ratings and test standards (ASTM E814/UL 1479 for penetrations, ASTM E1966/UL 2079 for joints). A5.8 is a project-specific Hilti Engineering Judgment for the 1-hr joint at the unprotected steel column, so an alternate there needs its own equivalent engineering judgment for the same condition. Submit product data and the UL system or EJ for architect review and AHJ acceptance before installation.

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29	We assume 6” 16-gauge flat stock backing will be sufficient at all grab bar locations. Please Clarify.	Acceptable. Provide 6"-wide 16 ga flat-strap backing at all grab bars, fastened to each stud with (2) #10 screws minimum, located to match the G3.1 grab bar heights. The assembly must support 250 lb in any direction per CBC 11B-609.8. Use the same backing at other accessories, partition pilasters, and the shower seat and controls in Restrooms 183. Fire-retardant-treated 2x blocking is an acceptable alternate where it occurs in existing wood framing.
30	On sheet S-301 detail 4 and detail 13 have conflicting designs. The traditional box header design shown on detail 13 should supersede detail 4. Please confirm	Detail 4 is typical except as noted. For the header near Grid H on Sheet S-211, header shall be per detail 13.
31	Framing details show RC Channel at some ceilings and walls per plan We are assuming that the Resilient Channels are RC-1 and not RC-Deluxe Please clarify	Confirmed, RC-1 per A5.4 Detail 12 (Partition Type F). RC-Deluxe is not required. At the 1-hr floor/ceiling assembly (UL L562), use the channel type and spacing required by the listing.
32	Per detail 2 on sheet A5.4 the Type C full height walls show a single-track attachment to wood structure above. Should we assume that for seismic deflection either a 2-piece slip system or slotted top track should be used? Please clarify	Yes. At all partition heads attached to the existing wood structure, provide a slotted deflection track or two-piece slip track per S-301 Details 2 and 3: 43 mil slip track (ICC ESR-1042 or IAPMO ER-0283) with (2) #10 wood screws to each joist or block at 24" o.c. max. At rated heads, use the dynamic head-of-wall system per A5.5 Detail 18 (UL HW-D-0001).
33	Per sheet A5.4 detail 4 the under-grid Type A walls. Please identify preferred attachment to acoustical ceilings. Please clarify	Height designation A does not occur on this project. All partitions extend to structure or terminate per the B and C height designations on the plans.
34	Where wood framing is identified on the drawings at the mezzanine area, is there an alternate for heavy gauge metal studs in those areas? Please clarify	No alternate is included in the bid. Wood framing at the mezzanine is structural per S-212 and governs. Heavy-gauge metal studs may be submitted as a substitution request after award, with stamped structural calcs, subject to architect and structural engineer approval.
35	Per sheet S-212 detail 1 at grid line O between gridline 4 and 5 Please show connections details where PSL 20 x 5 ¼ Partition Support and PSL Header 20 x 5 ¼ intersect More clarification is needed	Provide posts per note 11.b under "Rough Carpentry" structural specifications on Sheet S-101.
36	Per Delta 1 on sheet S-212 detail 1 at grid line O between gridlines 3 and 4 Please show connections details where Aligned 1 ¾ x 20 LVL Support and Header 6 x 12 intersect More clarification is needed	Provide connection similar to detail 1/S-301.
37	The door details on sheet A5.7 show wood framing at the door frames We are assuming that all the framing will be metal studs per sheet A54 Please clarify	Correct for interior partitions. The wood-framed conditions on A5.7 apply only at exterior door openings in wood-stud exterior walls and at walls designated as structural wood framing on S-212. Interior door openings in metal stud partitions are framed per the A5.0 opening framing schedule and S-212, with interior frames per A5.6.
38	Per sheet A5.5 all the details call for USG Sheetrock as the brand of choice Are alternate drywall brands an option if they are manufactured in the USA and meet or exceed the ASTM and Fire Ratings required Please confirm	Yes. Equivalent US-made gypsum board (CertainTeed, National Gypsum, Georgia-Pacific, American Gypsum) meeting ASTM C1396 is acceptable. For rated assemblies, the product must be specifically listed in the UL design being built. Submit product data showing the listing.

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	Question	Answer
39	We are assuming that all drywall finishes will be a level 4 with orange peel texture. Please confirm	Level 4 with light orange-peel texture at all new and patched painted GWB walls and ceilings. Level 2 behind tile and FRP. Level 1 (fire-taped) above ceilings and at concealed rated assemblies. Patch areas to match the adjacent existing texture.
40	Per sheet A1.9, the Finish Legend refers to FRP as WP-1. Please identify locations where the Fiberglass Reinforced Panels are to be installed .	Provide FRP (WP-1, Marlite P470N Dark Grey, or equal) on all toilet compartment walls in Restrooms 183, 4'-0" AFF, with Marlite PVC cap and inside/outside-corner trims; PT-2 semi-gloss above (A1.9/A1.10 room tag "WP-1, PT-2").
41	We are assuming that the second floor is excluded from any scope of work currently. Please clarify	Confirmed for the existing second-floor office level. A1.1 notes 'Plan for reference only. No work to be done to upper level.' The new Storage Platform 260/mezzanine and roof access Platform 261 (A1.3, A1.8, A4.3) are new work and are in scope.
42	Detail 8 on sheet A5.7 show “Rollup Door” details Should we assume that all rollup doors are considered existing and will remain. Please clarify	No. Doors 160 (Warehouse) and 166A (South Yuba Canal Storage) are new 12'-0" x 14'-0" insulated steel rollup doors with motorized operators per A6.0, replacing the existing doors. The 166A opening is enlarged to suit. Install per the A5.7 rollup door details.
43	Will any new exterior windows be considered retro installed not to disturb exterior finish conditions. Please clarify	Retrofit installation is acceptable if the WRB lap, sill pan and drainage are maintained. Otherwise, install per the A5.7 head details, with stucco patch and repair per Addendum 1 Item 3.
44	Per sheet C4.0 Construction Notes: S2 refers to protection of storm drains SWPPP There is a total of 8 drains per plans. Are “Storm Drain Filters” and “Storm Drain Filter Socks” adequate for protection while construction is ongoing? Please confirm	These provisions are acceptable, subject to effectiveness monitoring during construction.
45	Line (a) of the Clean Air and Water Certification form states: "Any facility to be utilized in the performance of this proposed contract has / has not (check one) been listed on the Environmental Protection Agency List of Violating Facilities." Could you please clarify what is meant by the term "facility" in this context? Specifically, does this refer to: The quoter's place of business; The subcontractors' places of business; or Any other facility associated with contract performance?	Per the Clean Air and Water Certification requirements by the EPA, this requirement is any site that is owned, leased, or supervised by the contractor or any of the subcontractors. The following link can be used to search EPA reports for addresses. https://echo.epa.gov/
46	Line (c) of the Clean Air and Water Certification form states: "The Quoter will include substantially this certification, including this paragraph (c) in every nonexempt subcontract" Please confirm whether all subcontractors identified on the Subcontractor List are required to submit a completed Clean Air and Water Certification form with the prime quoter's bid, or if this certification is only required to be incorporated into subcontracts after award of the contract	Certification is not required at the time of bid, however it must be incorporated into subcontracts after award of the contract.

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	Question	Answer
47	On page 24 of the Bid Documents, page 3 of the Qualifications Statement, Line Item #1 states: “On Schedule A, attached, list tenant commercial construction projects completed by this organization in the past five (5) years” Please clarify whether the phrase “tenant commercial construction projects” is intended to include any tenant improvement project, regardless of whether the tenant and property owner are separate entities or the same entity For example, would a tenant improvement project completed for an owner-occupied facility qualify under this requirement?	All quoter construction projects are eligible to meet these requirement regardless if they are completed by, or for, a tenant or owner.
48	*In the Supplementary Instructions Qualifications Statement, please confirm whether the requirement for demonstrating experience on projects with a value in excess of $5,000,00000 is applicable to this solicitation, given that the current estimated value of this project is $3,500,00000 Specifically, is it the District's intent that bidders provide references for projects exceeding $5,000,00000 in value, despite the advertised construction value of the current project being significantly less?*	The NID project estimate is not relavant. The applicability of the $5,000,000 value shall be based on the quoter's Base Quote Price.
49	Are there any deferred submittals required for this project?	Deferred submittals are not anticipated at this time, however if the need arises, then NID will coordinate between the Permitting agency and the quoter.
50	Who is responsible for moving existing office furniture and equipment?	Providing and moving office furniture in not part of the project scope.
51	Are there any allowances to be carried in base bid?	No allowances shall be carried in the base bid.
52	Will NID be hiring a CM (Construction Manager) for this project?	NID will provide management for the project.
53	What is the Construction Schedule for this project?	See response to RFI No. 2. All other construction scheduling details shall be provided by they quoter.
54	Will the GC be required to participate in Liquidated Damages? What date would they begin? What is the amount of Liquidated Damages if they are required?	GC is required to participate in Liquidated Damages (LD). Per page 15 of the RFQ, LD is $1,000 for each day that the project exceeds schedule. All work to be completed within 300 calendar days from issuance of Notice to Proceed. Also reference response to RFI No. 3.
55	Who is the IOR (Inspector of Record)?	See response to RFI No.7.
56	Is a construction trailer required?	No constructon trailer is required.
57	Are temporary facilities required (restrooms)? If not, are on site facilities available for contractors/sub-contractors?	Temporary restroom facilities are required for quoter staff and subcontractors.
58	Is temporary heating/cooling required?	Temporary heating/cooling is required by the quoter, as needed to complete the project scope. Quoter to determine what's needed to complete the scope either to condition the space for workers, or as part of the building process (sheetrock mud, paint, etc.)
59	Is there a hazardous materials report available?	See response to RFI No. 9.
60	Are sub-contractors subject to a background check?	Subcontractor background checks are only required as determined by the quoter.
61	Confirm that all concealed conditions encountered beyond those reasonably observable shall be treated as unforeseen conditions and compensated by change order	Changed conditions shall be addressed on a case by case basis.

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	Question	Answer
62	Are Fire sprinkler modifications designated as deferred approval. Please clarify if bidder is responsible for complete redesign, hydraulic calculations, existing system modifications, fire sprinkler permit?	Yes, fire sprinkler work is a deferred submittal. F100, F101 and F202 are diagrammatic and show the intended scope. The fire sprinkler contractor is responsible for design of modifications to the existing system within the areas of work, including hydraulic calculations, shop drawings, the fire sprinkler permit, and AHJ approval. A complete redesign of the existing system is not required.
63	Please specify current fire alarm contact	The NID fire and burglary alarm support is Bay Alarm. Contact is Marc Alessio at Marc.Alessio@bayalarm.com
64	Is current fire alarm a proprietary system or will alternate systems be acceptable?	The fire alarm system is not proprietary.
65	Please provide the complete OFOI/OFCI matrix clearly identifying the responsible party for procurement, delivery, installation, and coordination of the following items: Furniture, workstations, televisions, & appliances	All of these are NID's responsibility. Furniture, workstations, televisions and appliances are not part of the scope of work for this bid.
66	Please identify permit responsivities for: (Confirm which fees are owner-paid versus contractor-paid) Building Permit, fire sprinkler, fire alarm, deferred submittals	Per Section 10-2.02-D, contractor is responsible for procuring all required permits and licenses. NID will pay permitting fees.
67	Is there minimum experience threshold administrative personnel must have in using and monitoring schedule on comparable project? What type of documentation needs to be provided as evidence to support a minimum experience requirement? Does a third party scheduler need to be used? If yes, do they need to be listed as a sub-contractor? What additional documentation needs to be provided as evidence to support the five-year minimum experience requirement?	The minimum scheduler experience shall be five (5) years, which may be demonstrated with a resume.
68	Has the engineer verified the existing domestic water service capacity and pressure are adequate for all new breakrooms, sinks, ice makers, and water heaters shown?	The Permit Approved plumbing drawings show the existing water service has capacity for the added fixtures
69	Please identify all project funding sources and confirm whether any grant, appropriation, bond, or state funding program imposes a required completion, occupancy, invoicing, expenditure, or closeout deadline that differs from the 225-calendar-day contract duration	All funding for the project shall be from NID capital improvement project reserves. No grant appropriations currently exist for the project with reporting or closure requiements. Correction: The RFI references 225 calendar-day contract duration. The correct number is 300 days. See RFI response No. 2.
70	Please confirm the required Schedule of Values breakdown Does NID require the SOV to be organized by CSI Division, building area, project milestone, or another format? Please provide a sample SOV if one is preferred	RFQ Section 10-7.01 "Contractor's Schedule of Values shall be in a form aceptable to the District Engineer..." and describes the level of detail.
71	Is there a maximum percentage of the contract value that may be allocated to General Conditions, Mobilization, Supervision, Temporary Facilities, and Closeout in the Schedule of Values?	There is no maximum contract value for the categories noted. The schedule of values shall be as prepared by the quoter, but approved by the District. Unreasonable cost allocations in the schedule of values shall not be approved.

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	Question	Answer
72	Will NID require separate Schedule of Values line items for each building area or occupancy phase so progress can be tracked independently?	The schedule of values shall be as prepared by the quoter, but approved by the District. The structure shall adhere to RFQ Section 10-7.01. The specific breakdown posed in the RFI is not required, but whatever structure can be provided that facilities a clear understanding of pay requests for approval is recommended.
73	Please clarify which owner-furnished/owner-installed items are excluded from the contractor's Schedule of Values, including furniture, technology, AV equipment, data systems, and specialty equipment	No owner-furnished equipment is presently anticipated to be installed by the quoter.
74	Is identification of subcontractors and suppliers over $10,000 or 0.5% of the contract value? Please confirm whether this information is required directly on the SOV or as a separate attachment	Subcontractors and suppliers with values equal to or greater than $10,000 or 0.5% individually shall be included with the quote.
75	Please clarify the anticipated review duration for the initial Schedule of Values and any revised Schedule of Values submitted following approved Change Orders	NID is committed to making reviews efficient, possibly completed in a few weeks. However, the review duration will be dependent on the clarity and correctness and appropriateness of the submittals.
76	Please confirm retainage percentage to be applied to base contract items and allowances and whether retainage treatment differs for stored materials	See response to RFIs No. 5 and 6.
77	If NID elects to organize the Schedule of Values by milestone, please provide the required construction milestones and associated billing expectations	See response to RFIs No. 72.
78	Please clarify whether payment applications may include materials stored on-site and/or off-site If allowed, please identify the required documentation (invoices, bills of sale, insurance certificates, warehouse agreements, photographs, etc) and any percentage limitations on payment	See response to RFIs No. 5 and 6. All stored materials shall be secured safely onsite, or as otherwise approved by the District.
79	Please confirm the retainage percentage that will be withheld from progress payments and whether retainage will also apply to approved Change Orders, Allowances, and Stored Materials	See response to RFIs No. 5 and 6. Retention shall apply to all project provisions including changes, allowances and stored materials.
80	Please provide the District's maximum allowable markup percentages for: 1. General Contractor self-performed work 2. subcontractor work 3. General Contractor Markup on Subcontractor work 4. Material costs 5. Equipment costs	A response will be provided for this RFI in a separate addendum.
81	Will the contractor be responsible for utility use charges?	NID will pay for electricity and water used at the site.
82	Will the contractor be responsible for providing a separate office trailer for the inspector of record?	No constructon trailer is required.
83	Sheet A4.0 shows toilet partition work but no spec is provided. Please provide a toilet partition spec or advise what manufacturer, material, mountain style, etc. is desired.	Plastic laminate toilet partitions at Men's 111 and Women's 112, Wilsonart plastic laminate, finish TBD, or equal, floor-mounted overhead-braced, with ADA hardware at the accessible compartment per drawings. Manufacturer by contractor, subject to architect approval. The Restroom 183 compartments are full-height framed privacy compartments per A4.3 keynote 8.24 with SCWD doors per A6.0.

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	Question	Answer
84	No Model Numbers are provided for the toilet accessories. Please provide model numbers for the desired accessories	Contractor to furnish and install the following at each toilet/compartment: Bobrick basis of design (or equal by ASI or Bradley): B-2888 toilet tissue, B-221 seat cover, B-262 paper towel, B-2111 soap, B-6806 grab bars (42" side, 36" rear, 18" vertical per CBC 11B-604.5.1), B-290 18x36 mirror, B-270 sanitary napkin disposal. Mounting heights per G3.1.
85	Please clarify whether multiple-tier markups are permitted and provide the required Change Order pricing format	A response will be provided for this RFI in a separate addendum.
86	Please provide the specs for the doors and windows as the manufacturers are not specified.	Per Addendum 1 Item 5, specs are on the sheets; A6.0/A6.1 give size, type, material, finish, glazing, rating and hardware. Basis of design, or equal: Storefront and windows: Kawneer Trifab 451T or Arcadia AG451T, or approved equal, 1" insulated low-E, painted. Interior doors: 1-3/4" solid core wood, paint grade (VT Industries or Masonite Architectural). Interior frames: steel KD frames. HM: 16 ga frames and 18 ga doors (Steelcraft, Ceco or Curries), 45-min labeled where scheduled. Rollup doors: insulated steel (Cornell, Overhead Door or Wayne-Dalton) with motorized operators.
87	Can you provide a full spec manual that includes a finishes section? Need to know what type of paint to use. Also, the labeling for carpet tile is unclear, does "CT-1" = "CP-1"?	Sheets A1.9 and A1.10 have a finish legend that has specs for the paint type to be used, and also indicates paint color for each room. The labels are not consistent with the plan view. Paint treatment is labeled "PT" in the legend and plan view There is no separate spec manual; specs are on the sheets (Addendum 1 Item 5). Paint per the A1.9/A1.10 Finish Legend: PT-1 Benjamin Moore White Dove OC-17 eggshell (walls UON); PT-2 same color semi-gloss (Break 106, Janitor 172, Restrooms 183, Men's 111/Women's 112 above tile). Basis of design Benjamin Moore Ultra Spec 500, one coat primer and two finish coats; HM doors and frames in Ultra Spec DTM semi-gloss. Room tags reading CP-1 mean CT-1 carpet tile.
88	In your current spec manual under special conditions, 10-4 submittals, you list Hardie siding & concrete sealant. Is the exterior getting Hardie siding? If so, will this be getting painted? Also, will there be sealed concrete in the building? If so, where in the building is the concrete that will be getting sealed & what type of concrete sealer do we use? A spec on the concrete sealer would be helpful.	Hardie siding is not within the scope of the project. Concrete sealants to be provided as noted on contract documents. Quoter to submit appropriate concrete sealants for review.
89	North ADA Work - C2.0 shows only demo up again the building for new work. But on C3.0 it shows new asphalt going across the street. Please confirm if we need to match the demo to what the new proposed it to be.	Sheet C3.0 is what governs. Match demo to what is shown on C3.0.
90	South ADA work - On C2.0 it shows no demo work needed for the new concrete work. Where on C3.0 it shows new work. Please confirm since C3.0 shows the ramp going over what looks to be a tree.	NID will remove trees or vegetation in the way of concrete work. See RFI response No. 147 .

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	Question	Answer
91	On page A4.2 it notes SS-6 for the countertop. Please provide what that is since its not on the legend.	Read SS-6 as SS-1 (Wilsonart solid surface, Designer White) at the A4.2 locations at Conference 145, Print 127 and Dam Safety Plan Room 126. Hydro Lab 170 is casework and will be reflected in a separate addendum.
92	On A1.13 key note 9.90 notes (2) different option for the edge. Please confirm which one is wanted since there is a cost difference for each one.	Square lay-in, 24" x 24" (Armstrong Cortega #770) on 15/16" grid, braced per CBC 1613/ASCE 7. The keynote's '4" x 24"' is a typo for 24" x 24", and RCP Note 14 (NRC 0.70) will be corrected so keynote 9.90 (NRC 0.55) governs.
93	On A1.0 at Storage 162 it notes to demo drywall only on the exiting framing. On A1.0 it does not note what we are going back with. Please confirm what is to be installed	Re-sheath the retained framing with 5/8" GWB where it was removed, with finish to match the adjacent existing walls. No paint in Storage 162.
94	Machine Shop 163 & Wash Room 164 show no work being done on the exterior or interior of those room. Can you confirm if that is correct? After the job walk those exterior walls are damaged and have plywood & drywall installed on them.	Correct as drawn; no work is included in Machine Shop 163 or Wash Room 164, interior or exterior. Exterior stucco repair was recently completed by NID (Addendum 1 Item 3).
95	On Page A1.7 General Note/Reference #1 notes all walls not marked are to be assumed K6 or A4b. But throughout the page there are unmarked walls that look to be furred or larger than noted. Can you please confirm what is wanted? (Exampled Reception 101 wall, Electrical workshop 150, & walls between lactation & Restrooms)	Untagged walls at Electrical Workshop 150 are A6c. Reception 101 and all other untagged interior walls are A4b UON. Freestanding walls that do not enclose a room may be B4b. The A1.7/A1.8 reference to A5.2 will be corrected to A5.4.
96	On page S-301 it provides guardrail details and notes per Arch. Architectural does not provide any details or locations. Please confirm if there are any guardrails.	There are no metal guardrails. The guards at roof access door 261 are 42" high framed walls; detail to be released in a future addendum.
97	A1.7 provides wall type of Unmarked wall in room 150, A6b, D6c, B6b, & B4b. Per A5.4 they are all metal stud walls. But Structural notes these walls all as structural wood walls. Please clarify what these wall assemblies are supposed to be?	Where S-212 designates a structural wood-framed wall, the structural drawings govern framing and sheathing (2x6 DF at 16" o.c.). The A5.4 tag still governs gyp layers, insulation, height and rating; at Room 150 untagged walls are A6c. Non-rated types simply swap to 2x6 wood studs. Rated types use a wood-stud listed assembly, UL U305 with 5/8" Type X each side (see No. 165).
98	For the HVAC controls, please confirm whether the design intent is a Building Management System (BMS) or standalone local controls only. If a BMS is desired, please confirm whether controls manufacturers such as Alerton or Distech Controls will be accepted.	See RFI Response 23.
99	Will there be any specs for the two overhead doors #160 and 166A? If not, will they be insulated? What type of finish primed? Powdercote? Painted?	There is no door 160A; overhead doors are 160 and 166A per A6.0. Provide insulated steel rollup doors (Cornell, Overhead Door, Wayne-Dalton, or equal), factory powder-coat finish, with motorized operators.
100	Is the contractor responsible for providing or installing any appliances?	The contractor is not responsible for installing appliances. See RFI Response no. 123 for the items to be procured by NID.
101	Is the contractor responsible for providing a new roof access ladder and fall protection? There are details on A4.3, but there is not any information regarding the specification, etc.	Provide according to spec on drawing.

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102	Where can technical specifications be located? Addendum 01 indicates they are in the drawings, but they have not been provided.	Under the contract documents table of contents, there is reference to Technical Specifications and the only document included under that heading is Section 34 - Contract Closeout. All other technical specifications for the project are included in details and notes included on the drawing set.
103	Please confirm that NID is responsible for providing special testing (see Concrete note 3 on S-101).	NID will provide and pay for special inspection and testing per S-101 Concrete Note 3. NID will fund initial building inspections. Contractor is responsible for coordinating and scheduling inspections and for the cost of any reinspections.
104	Existing conditions note 1 on S-101 refers us to As-Built Drawings. Please provide.	NID only has pictures of the record drawings for the existing building. They are included with this addendum as an attachment. No other as-built drawings are available.
105	Please confirm, per addendum 01, that the contractor is not responsible for design or installation of the Prefabricated Steel Stair System. This is also identified on S-102.	Stairs are not in the scope of the project.
106	Please confirm that all steel columns shown on the foundation plans are existing.	All steel columns shown on the foundation plans are existing per plan.
107	10/S-301 indicates new mechanical unit is by others. Is this accurate?	Refer to Mechanical. New PHP units are in the contractor's scope per M0.0/M0.1. Per M0.1 Note 2, new units mount on the existing curb to remain; field-verify and provide replacement curb as needed.
108	Plumbing general note 6 on P0.0, and mechanical general note 6 on M0.0, indicates the contractor is responsible for verifying site voltages before bidding and ordering equipment. Please confirm that the electrical engineer has verified voltages appropriately and that this has been factored into design.	Those are general notes intended to clarify the installing contractor is always responsible for coordinating with the electrical contractor since its possible changes could be made to the design shown the drawings. The onsite voltages were confirmed onsite and are shown on the drawings.
109	Is the contractor responsible for providing access control? E4.1 indicates this is potentially by owner, and that we are simply to provide conduit. If we are to provide, please provide a specification.	Card readers are shown on the A6.0 door schedule ("ACCESS CONTROL, CARD READER"). Per E4.1 the contractor provides conduit/backboxes/pathway only; access control hardware, panels and programming are by Owner unless NID directs otherwise. No access control specification is included.
110	Please confirm that any replacement required for outdoor lighting will be handled as a change order. Otherwise, please identify which lights are to be replaced. Please see sheet note 6 on E1.0.	Existing outdoor lighting condition is unknown. Contractor shall test all existing outdoor fixtures and controls and report nonfunctioning items to NID. Provide a unit price per fixture replacement; replacements will be authorized by NID by change order.
111	As the engineer's estimate is $3,500,000, please confirm that we are not responsible for completing the good faith efforts described in 6-1.24.	The NID project estimate is not relavant. The applicability of the $4,000,000 value shall be based on the quoter's Base Quote Price. Also refer to RFI 112 and 113 below.
112	Section 6-1.24 requires a good faith effort to include local business. What is the target percentage to include?	Section 6-1.24 Item 2, shall read: A contractor submitting a Quote will be expected to seek local participation under this policy a minimum of 5% of the total contract Quoted price.

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113	If we are required to complete good faith efforts described in 6-1.24, please specify what is required in order to establish good faith. This needs to be defined by the owner ahead of bid time, with enough time for us to complete the specified actions.	The intent of Section 6-1.24 is to include local business. The quoter shall endevour to identify local businesses that can perform or supply components of the project in support of the project delivery at a competitive price, as part of the quoters bidding effort. If this is not possible, the quoter shall present that they solicited input where feasible and if not feasible, the quoter shall state the reason. NID will use it's discretion to recognize that a "good faith" effort was made, even if the targeted level of local business involement is not met.
114	Regarding Item 6 in Addendum 1, a list of suppliers/manufacturers is impossible for us to provide at bid time (even as a draft); as our subcontractors do not provide this information at bid. Furthermore, we should be bidder per the specified products. Please remove this form from our bid packet.	Quoter to submit the list of suppliers and manufacturers as complete as possible with the bid and identify items that cannot be identified at bid time. See Addendum No. 1, Item No. 6.
115	Regarding Item 9 in Addendum 1, how should we fill the spaces for items that are marked "not applicable" or "excluded"?	These items will be taken off of the bid sheet. See the revised bid form included with this Addendum No. 2.
116	The quote schedule requires us to fill "inspection fees," but these are to be provided by owner. Please clarify.	NID will pay for initial inspections, contractor will pay for all subsequent re-inspections if necessary. Quoter to pay for Specialty inspections per Appendix C. See revised quote schedule included with this Addendum No. 2.
117	The Clean Air and Water Certification asks us to certify that the facility has not been listed on the EPA List of Violating Facilities. Please confirm that the Whitcomb office is not on this list.	Per EPA website, this site is not on the list of violating facilities.
118	Standard Specifications are identified as a contract document on page 45 of the RFQ. Please clarify which specifications these are referring to. The Development Standards and the Standard Details found on the NID website do not appear to be relevant to this project.	Standard Specifications are part of the plan set, as they apply.
119	Will any part of this facility be occupied during construction?	No personenel will be occupying the building on a regular basis, but some areas of the warehouse will be used (occupied) for storage, such as the snow cats and lumber observed in the buildling during the pre-bid job walk.
120	Please confirm that this project can be performed during standard work hours?	See Section 6-1.16.
121	If required for temporary power, will diesel generators be allowed on site? See general note 42 on C1.1.	Quoter may use building power as available and reasonable and as approved by the District. Additional generators may be utilized, as approved by the City of Colfax. Such generators may be subject to noise provisions and/or permits.
122	Is a geotechnical report available? There are many references to one on C1.1.	There is no geotech report available. References to geotech are boilerplate and would apply if there was a report.
123	Is the contractor responsible for providing a water pollution control plan or QSP/QSD inspections?	Disturbed site area is less that 1 acres, so a SWPPP is not required for the State Water Board. The plan can be as appropriate for the level of ground disturbance and possible runoff possible from the project, which may be minimal. The project is also subject to best management practices as defined in Section 10-2.16.

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124	Is the contractor responsible for installation of any of the items listed in notes 25 or 26 on G1.0? If yes, please provide additional details (counts, specifications) so that this can be priced appropriately.	Contractor responsible for plumbing fixtures and permanently mounted items such as heaters, sinks, etc. Contractor is also responsible for voice/data cabling, telephone work, etc. Items such as furniture, dishwashers, refrigerators, microwaves, etc. to be procured and installed by NID
125	Please confirm that there is no new roofing identified on this project. The hatching on the roof plan does not match the legend provided on A1.4. . Can NID provide the roof specification so bidders can understand what's there to accommodate new roof penetrations?	The scope does not include new roofing. The existing roof spec is attached.
126	Please clarify the countertop material required; the finish schedule identifies it as solid surface, but then specifies it as Wilsonart.	Refer to RFI response No. 91 for countertop spec.
127	Should doors 160 and 160A be manual coiling service doors for these two locations? Please provide specs for this scope	A revised detail to be issued by separate addendum for these doors, including motor operators.
128	Is the contractor to provide any exterior painting?	Only in places affected by construction.
129	Is the contractor to provide any painting on the upper level?	No
130	Is the contractor to provide painting at the warehouse; to include the walls or the exposed ceiling?	No painting of the warehouse is is included with the exception of the interior walls of the new rooms inside the warehouse; exclude painting outside of new walls
131	Will an updated quote schedule be provided with deletion of items that are not applicable per addendum #1.	Yes, see attached updated quote schedule.
132	On page A1.8 it shows a measurement of 10' for (3) walls in front of door 261. Please provide a detail of what these walls are to be made of. Are they all to be 3'-6" tall per A4.3 or are we installing handrailing? Please clarify.	These are 42" (3'-6") guard walls per A4.3, not handrails: 2x4 wood studs at 16" o.c. fastened to the wood floor framing below, GWB both sides, finished to match adjacent walls, with a wood cap. Guard must resist the CBC 1607.9 200 lb load at the top.
133	On page A4.3 detail 2 & 3 show an access ladder. Please confirm if contractor is to supply this ladder? We are just not supplying the stair noted on structural drawings by other?	Yes, contractor to furnish and install the aluminum roof access ladder at 261 per A4.3, with fall protection per A1.4 Note 17. The prefabricated steel stair listed on the structural drawings as a bidder-designed deferred item is not in scope (Addendum 1 Item 7).
134	M5.0 detail 12 call outs for structural steel roof framing. Structural sheets not that the roof is a wood framed. Please confirm if the roof is a mix of wood & steel or if its all wood?	Roof framing varies; both steel and wood framing occur. Verify existing framing in the field at each unit location and use the applicable support condition.
135	M5.0 provides detail 3 & 5 for the curb. Then S-301 detail 10 provides a completely different detail. Please confirm which one we are to use.	Build per structural drawings.
136	A1.7 Conference 145 shows a double fire rated wall. Only D6c is provided. S-212 shows the outer wall is a wood shear wall. Please confirm the size and type of walls.	A1.7 currently shows metal stud for both walls. Revise the outer wall to a wood stud shear wall per S-212, 1-hour rated wood stud assembly (UL U305 or equal), sheathing and nailing per structural. Inner wall remains D6c metal stud per A1.7 to be clarified by separate addendum.

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137	A5.4 detail 1 Type A & C there is a discrepancy the heights. Drawing shows A is to ceiling. C is to the structure. The description note a is to underside of structure and C to underside of celling. Please clarify which one is correct.	The graphic in A5.4 Detail 1 governs. Legend to be corrected by addendum to read: A = to underside of ceiling, overhead braced; B = extend studs to underside of structure above, extend gypsum board to 6" above ceiling; C = to underside of structure above; P = partial height partition (see plans and elevations for height).
138	A1.13 notes the Foyer to be 8’-8” tall. But does not show where the transitions occurs from 8’-8” to 8’-6”. Please clarify where that transition is or if its supposed to match the other hard lid height.	Foyer 100 ceiling to be 8'-6" to match the adjacent hard lid; no transition required. A1.13 will be corrected by addendum.
139	A3.0 detail 3 and A3.2 detail 1 notes the new 1 hour rated ceiling at the wood joists. Please confirm that this is the only area where we need to rate the ceiling.	Confirmed. The mezzanine ceiling is the only rated ceiling: 1-hour floor/ceiling assembly (UL L562) at the new wood I-joists per 3/A3.0 and 1/A3.2.
140	A5.4 detail 13 notes resilient channel to be installed under the Wood I joists. Please provide spacing, size, & gauge of what is wanted.	Resilient channel per the UL L562 listing: 25-gauge, single-leg RC-1 (A5.4 Detail 12), at 16" o.c. perpendicular to joists, or as required by the listing.
141	Please clarify where detail 17 & 19 on A5.4 are to be used. These details don’t match what we are doing between the new Wood I joist system and the metal stud framing system at the existing office space.	Details 17 and 19 on A5.4 apply only at the junction between the new mezzanine and the exterior PEMB wall.
142	S-301 detail 4 & A5.0 depict the header differently. Please clarify if we are to just follow architectural since that is the typical way of header installation with the studs faced away from each other, so the door frames have a place to connect to.	Provide either orientation.
143	S-211 provides a new header detail for the rollup door #166A. But Structural does not provide a new header detail for door 160. Please confirm if we are using the existing header for connection.	Use existing header.
144	G4.1 & G4.2 note the signage but no call out for Exit routes were provided. Please provide how many exit routes will be required. There is also no call out for any Room signage, Site accessible entrance or occupancy signage. Will any of these signs be required?	Yes. Sign types are defined in the G4.1/G4.2 signage legend, and sign locations are shown on A4.1 and A4.2.
145	Is any exterior signage required for this building? There is no address or access signs are noted.	Yes: the accessible entrance sign (ISA) at the accessible entrance and the exterior 'MAIN ELECTRICAL DISCONNECT' sign per G4.1/G4.2. Also provide building address numbers per CFC 505.1, minimum 4" high (6" recommended), contrasting color, visible from the street; location by Architect.
146	G4.2 Main electrical disconnect is shown inside of the building but the notes states to be outside. Please clarify if we need signage on both inside and outside of building.	The interior sign shown on G4.2 identifies the electrical room door only. The main electrical disconnect sign is required on the building exterior only: permanent all-weather sign, 4" contrasting letters 'MAIN ELECTRICAL DISCONNECT' (CFC 509.1.1), located nearest the disconnect and indicating its location.

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147	**Restroom 183 – Concrete Floor:** The contract documents indicate a concrete finished floor. Please confirm whether saw cutting/trenching and patching the concrete as required for the plumbing installation is acceptable, or if complete removal and replacement of the floor is required.	Saw-cutting/trenching and patching the existing concrete floor for the plumbing installation is acceptable; complete removal and replacement is not required. Patch flush with matching concrete.
148	**South ADA Connection – Demolition:** Sheet C2.0 does not indicate demolition at the South ADA Connection. Sheet C3.1, Note S7, indicates installation of stairs to the grades shown. Please clarify the limits and extent of demolition required to accommodate the new work.	Existing sidewalk and stairs to be demolished, as needed for new improvements. For bidding purposes, assume 30 feet of 3-foot wide, 4-inch thick concrete sidewalk and stairs with concrete wire reinforcement are to be demolished. Actual quantities to be confirmed during construction.
149	**Roof HVAC Units – Abandon in Place:** The existing rooftop HVAC units identified as “Abandon in Place.” Please clarify the required scope associated with these units, including whether any disconnection, capping, removal of associated components, or other work is required.	Abandon in place shall mean to leave the physical rooftop units in place and all gas systems isolated and wiring terminated safely and securely.
150	The contract allows 300 calendar days from Notice to Proceed, but the documents don’t show when flooring and tile will be installed. Please provide the expected Notice to Proceed date and the estimated flooring and tile installation window, or a preliminary schedule.	See RFI response No. 2 for Notice to Proceed timing. The schedule for project milestones such as flooring and tile shall be as proposed by the quoter for efficient and orderly delivery and protection of the work, as approved by the Districct. It is anticiapted that floor and tile would be completed near the end of the project schedule to avoid unnecessary traffic and possible damage to new materials.
151	**Carpet Tag mismatch A1.9/A1.10:** Both rooms are tagged for carpet tile, which is not typical for a janitor room or a server room (static concerns). Please confirm carpet tile is intended, or provide the alternate finish (e.g., LV-1, static-dissipative resilient flooring, or sealed concrete).	Carpet tile is not intended. Server 171 and Janitor 172 to remain unfinished (existing sealed concrete), with RB-1 base. SCADA 122 flooring to be LV-1 with RB-1. A1.9/A1.10 will be corrected by addendum.
152	**Wall tile height, Mens 111 / Womens 112 (A4.0)** The elevations show WT-1 as a wainscot, but no height is dimensioned. Please confirm: - The wall tile height - Whether WT-1 also serves as the base - The trim at the top edge and outside corners (e.g., Schluter profile and finish)	WT-1 (Daltile Volume 1.0, Stereo Grey, 12x24 stacked) to 4'-0" AFF; WT-1 serves as the base; Schluter Jolly (or equal) satin anodized aluminum trim at top edge and outside corners; PT-2 above.
153	**Waterproof membrane at restroom floors** Finish plan note 7 calls for a waterproof membrane at toilet room floors “where required.” Please confirm whether a membrane is required under FT-1 in Mens 111 / Womens 112, and if so, whether a specific product or system is required.	Waterproof membrane is not required on the existing slab-on-grade. Provide an ANSI A118.12 crack-isolation membrane under FT-1 at saw-cut/patched areas, extending 12" beyond each side.
154	**Attic stock / maintenance materials** Section 34-1.06 requires extra materials “in quantities specified in individual specification sections,” but no quantities are specified. Please confirm the attic stock required for CT-1, LV-1, FT-1, WT-1, and RB-1 (e.g., 2% or one box per color), or confirm that none is required.	Furnish attic stock of 2% of installed quantity per color/style, minimum one full carton, for CT-1, LV-1, FT-1, WT-1 and RB-1, delivered to NID.

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	Question	Answer
155	**Phasing and building access** Section 10-5.03 states the building shall not be inaccessible to the District at any time. Please confirm whether the flooring installation will be phased (e.g., occupied areas, furniture moving by others) and how many mobilizations should be expected.	The District may need to access a portion of the building at any time, but access shall not impose on the contractor's activities without due coordination. See RFI response No. 119. for owner occupation of the building. See RFI responses, 2, 72, 77 and 150 for input on milestones, such as flooring.
156	On A4.3 & A1.9 do not clearly note how high and what walls need FRP in Restroom 183. Please clarify where it is required.	Provide FRP (WP-1, Marlite P470N Dark Grey, or equal) on all toilet compartment walls in Restrooms 183, 4'-0" AFF, with Marlite PVC cap and inside/outside-corner trims; PT-2 semi-gloss above (A1.9/A1.10 room tag "WP-1, PT-2").
157	On A4.3 can you provide the restroom accessories that will be needed for each toilet.	Contractor to furnish and install the following at each toilet/compartment: Bobrick basis of design (or equal by ASI or Bradley): B-2888 toilet tissue, B-221 seat cover, B-262 paper towel, B-2111 soap, B-6806 grab bars (42" side, 36" rear, 18" vertical per CBC 11B-604.5.1), B-290 18x36 mirror, B-270 sanitary napkin disposal. Mounting heights per G3.1.
158	Is there any requirement for railing at the new ramp to the roll up door on the north side of the building?	Yes, pedestrian railing (no sphere greater than 4") should be included on both sides of the driving ramp. To be detailed and provided in a separate addendum.
159	Please Confirm sheet EN0.0 is complete or if there was a printing problem.	Confirming sheet EN0.0 is complete. The ENV report originally had (3) additional pages but the report was revised to only have (6) pages in total.
160	On A4.0 there is no spec that is wanting for the accessories. Also seems like there is missing accessories/callout in most of the toilets. Please clarify what type and where its wanted in each restroom.	Contractor to furnish and install the following at each toilet/compartment: Bobrick basis of design (or equal by ASI or Bradley): B-2888 toilet tissue, B-221 seat cover, B-262 paper towel, B-2111 soap, B-6806 grab bars (42" side, 36" rear, 18" vertical per CBC 11B-604.5.1), B-290 18x36 mirror, B-270 sanitary napkin disposal. Mounting heights per G3.1.
161	S-212 notes to use Simpson ITS or IUS hangers. Both of these max height is 16”. Please clarify what other type of hanger is to be used.	Provide MIT hangers to fit or 16" IUS hangers.
162	Mechanical sheet M0.1 applies Note 7 (supply-air duct smoke detector per CMC 609.1) to each of the five replacement heat pumps: PHP-1 at 2,000 CFM, PHP-2 at 2,400 CFM, PHP-3 at 1,600 CFM, PHP-4 at 2,000 CFM, and PHP-5 at 1,200 CFM. Please confirm whether one supply duct detector is required at each of the five units as a project-specific design requirement, or only at the units that require duct detection under the applicable code. Please identify the required detector count by unit.	Provide a supply-air duct smoke detector for each unit as scheduled.
163	The inspection report attached to Addendum No. 1 identifies an existing Fire-Lite MS-5024UD conventional FACP with five initiating zones, including five existing warehouse duct detectors on Zone 2. M0.1 requires new duct detectors at replacement PHP equipment, but no fire alarm riser or tie-in detail is shown. Please confirm the intended listed/supervised connection to the existing system, including whether the additional detectors may share an existing initiating zone, or if new interface equipment, panel modification, or panel replacement is required.	Per M0.1 Remark 7, the new supply-air duct smoke detectors shall be integrated with the existing fire alarm system. The fire alarm contractor shall design and provide the listed, supervised connection, including any zone assignments, interface modules, or panel modifications required, as a deferred submittal.

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	Question	Answer
164	Addendum No. 1 directs correction of the fire alarm deficiencies in the May 2023 inspection, which identifies an inoperable DACT and a system that was not being monitored. Please identify the required and approved method of restoring off-site fire alarm monitoring (reuse/repair existing DACT, cellular, or IP), the intended supervising station, and which party will provide and activate the monitoring account and recurring service.	See RFI response No. 11. Contractor to coordinate with Bay Alarm contact for activating service. Refer to RFI Response No. 63.
165	The May 2023 fire alarm inspection attached to Addendum No. 1 records "Horn/Strobes - NAC - Throughout Facility" as failed. The corresponding deficiency narrative specifically identifies six nonoperational restroom strobes and requires further investigation. Please confirm whether the bid repair scope is troubleshooting and correction of the six documented restroom strobe locations and related circuits, or whether full-building NAC rewiring or replacement of notification appliances is required.	See RFI responses No. 11 and 65. Contractor to coordinate repairs or troubleshooting with alarm contact listed in RFI response no. 63.
166	**Sheet A1.4 – Roof Plan:** Please clarify which of the Roof Plan Notes 1-4 & 1–20 shown on this sheet are applicable to the scope of this project. At the job walk, it was stated that the existing roof was replaced only a few years ago.	See RFI No. 125 and attached roofing spec.
167	Also on Sheet A1.4, the HVAC unit closest to grid lines N/6 is identified with Keynote 23.10. However, the mechanical and electrical drawings indicate this unit is to be **"abandoned in place."** Please clarify the required scope for this unit and confirm what work, if any, is to be performed.	M1.3 governs; the unit at N/6 is abandoned in place. A1.4 keynote 23.10 will be corrected by addendum.
168	**Flooring installation schedule:** The contract allows 300 calendar days from Notice to Proceed, but the documents don't show when flooring and tile will be installed. Please provide the expected Notice to Proceed date and the estimated flooring and tile installation window, or a preliminary schedule.	Refer to RFI response No. 150 for flooring and tile phasing. Refer to RFI response No. 2 for Notice to Proceed timing.
169	**Phasing and building access** Section 10-5.03 states the building shall not be inaccessible to the District at any time. Please confirm whether the flooring installation will be phased (e.g., occupied areas, furniture moving by others) and how many mobilizations should be expected.	The District may need to access a portion of the building at any time, but access shall not impose on the contractor's activities without due coordination. See RFI response No. 118. for owner occupation of the building. See RFI responses, 2, 72, 77 and 150 for input on milestones, such as flooring.
170	It appears in section 7-1.04-A that work done on force account or incorporated by change order does not allow any mark-up on materials. Most of us have various insurances and other business facets that are tied to the dollar size of a project, so for $100 in material spent, the GC pays a percentage to provide bonds, insurance, labor at the site, supervision, etc. for the project. If there is no mark-up allowed for materials, please confirm that all required additional materials will be procured by the District. Please confirm if that is correct or if the 15% mark-up applies to materials, as well.	A response will be provided for this RFI in a separate addendum.

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	Question	Answer
171	Are as builts available for the HVAC systems?	The as-builts referenced in RFI response No. 10 are the entiredy of the available as-builts for the existing building.
172	Mechanical sheet M0.1 applies Note 7 (supply-air duct smoke detector per CMC 609.1) to each of the five replacement heat pumps: PHP-1 at 2,000 CFM, PHP-2 at 2,400 CFM, PHP-3 at 1,600 CFM, PHP-4 at 2,000 CFM, and PHP-5 at 1,200 CFM. Please confirm whether one supply duct detector is required at each of the five units as a project-specific design requirement, or only at the units that require duct detection under the applicable code. Please identify the required detector count by unit.	Provide a supply-air duct smoke detector for each unit as scheduled.
173	Detail 15/C5.0 does not mention height for the fence and gate. Please advise and clarify.	Height of the fence and gate is 6'
174	Verify that the gate is a 35’ wide single swing gate.	Gate shall be a 35'-0" wide track-type (V-groove) slide gate in lieu of a single swing gate. Revised detail to be issued by separate addendum.
175	What is the required mesh size with slats? 2” mesh with slats or 3 ½” x 5” mesh with slats?	Mesh size and slats shall match Detail 15/C5.0.
176	What is the privacy requirement for slats - 75% coverage or 97% coverage?	97% coverage
177	Detail 15/C5.0 is showing victory arms. I just want to verify the fence requires 6-strands of barbwire on top?	Yes. Provide victory arms with 6 strands of barbed wire per Detail 15/C5.0.
178	Is there a buy America, buy americaN, BABA, AIS requirement for this project?	No, these requirements are not part of the contract.
179	Can you confirm the insulation scope **does not** include sound insulation on ceilings or office walls?	The scope of work does not include sound insulation on ceilings, but does include sound insulation of some interior walls. Please refer to the following sheets: A1.2, A1.3, A1.5, A1.6, A1.7, A1.8, A1.9, and A5.4.

Addendum #2

Item 3: Updated Quote Schedule

Quote Schedule

Pursuant to the NOTICE INVITING SEALED QUOTES and the INSTRUCTIONS TO QUOTERS, the undersigned, on award by the Nevada Irrigation District, hereby proposes and agrees to provide all necessary bonds, furnish all labor, and furnish and install any and all materials, equipment, and services for the construction of NID Hydro Office Renovation 148 Whitcomb (Project #C0011) in accordance with the Contract Documents at the prices named in this Quote Schedule as follows:

QUOTE

Item	Descriptions	Qty.	Unit	Cost	Extended AMOUNT
1	Mobilization/Demobilization	1	LS		
2	BMPs/Water Control Plan	1	LS		
3	Demolition	1	LS		
4	Hazardous Material Abatement	1	LS		
5	ADA Improvements - Civil Sheets	1	LS		
6	Hydro-office Renovation	1	LS		
7	Specialty Inspection fees	1	LS		
8	Contract Close-out	1	LS		
				Total Base Quote Price	

Total Base Quote Price in words: _____

_____ _____

Quoter's Company Quoter's Signature

See Request for Sealed Quotes Section for Basis for Selection and Award of Contract terms.

Quoter's Address: _____

Quoter's CLSB No.: _____ Quoter's PWCR No.: _____

Addendum #2

Item 4: Existing Roofing Specification

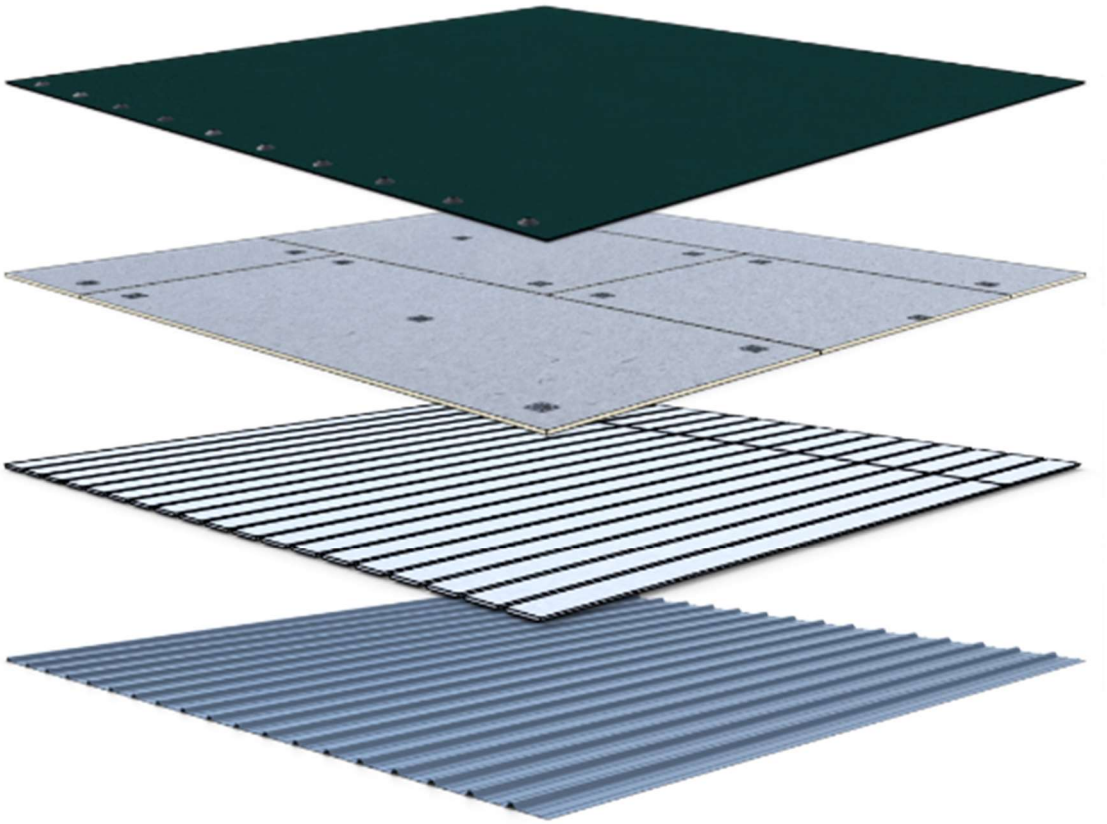
3-part Specification

New Hydroelectric Field Office Project 2432

OFFICE SPACES AND WAREHOUSE AND LOADING DOCKS

148.152 Witcomb Ave.
Colfax, CA 95713

Prepared for: Nevada Irrigation District | Nathan Droivold of NID
Prepared by: JOE A BRISTOW | DURO-LAST ROOFING INC.



PART 1 GENERAL

1.1 SUMMARY

A. Membrane Type: PVC thermoplastic membrane
    1. Roll Width: 60" (Installed widths may vary)

2. Membrane Color: Green
3. Attachment Type: Mechanically Fastened
4. Fasteners: Extra Heavy Duty Screw (#15)
5. Plates: Steel Membrane Plate

B. Cover Board Type: Fiberglass-Faced Roof Board 1/4-Inch
    1. Attachment Type: Mechanically Fastened
    2. Fasteners: Extra Heavy Duty Screw (#15)
    3. Plates: 3-Inch Metal Plate
C. Insulation Assembly Type: EPS Flute Filler
    1. Board Application: Flat Stock
    2. Board Style: Assembly Thickness
    3. Board Size: Custom
    4. Thickness/R-Value: 1.75"
    5. Attachment Type: Loose-Laid
    6. Loose-Laid: Loose-Laid
D. Existing Roof Type: Standing Seam Metal Roof
    1. Existing Roof Thickness: 1.5”
    2. Core Samples: No
    3. Attachment Type: Mechanically Fastened
E. Prefabricated flashings, corners, parapets, stacks, vents, and related details.
F. Fasteners, adhesives, and other accessories are required for a complete roofing installation.
G. Traffic Protection.
H. Gutters and Downspouts
I. 20 Year Single Manufacturer’s Warranty where All materials including Flute Fill and cover boards come from manufacture.

1.2 REFERENCES

A. ASTM INTERNATIONAL (ASTM)
    1. (2019) Standard Test Methods for Coated Fabrics (D751)
    2. (2021) Standard Specification for Poly(Vinyl Chloride) Sheet Roofing (D4434/D4434M)
    3. (2022) Standard Specification for Faced Rigid Cellular Polyisocyanurate Thermal Insulation Board (C1289)
    4. (2020) Standard Test Methods for Fire Tests of Roof Coverings (E108)
    5. (2020) Standard Test Methods for Fire Tests of Building Construction and Materials (E119)
B. UL SOLUTIONS (UL)

1. (2021) UL Roofing Systems (TGFU.R10128)

C. AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE)
    1. (2007) Minimum Design Loads for Buildings and Other Structures (ASCE Standard - ASCE/SEI 7-05)
    2. (2014) Minimum Design Loads for Buildings and Other Structures (ASCE Standard - ASCE/SEI 7-10)
    3. (2017) Minimum Design Loads and Associated Criteria for Buildings and Other Structures (ASCE Standard - ASCE/SEI 7-16)
D. NATIONAL ROOFING CONTRACTORS' ASSOCIATION (NRCA)
    1. (2019) NRCA Roofing Manual - Membrane Systems

1.3 SYSTEM DESCRIPTION

A. General: Provide installed roofing membrane and base flashings that remain watertight; do not permit the passage of water; and resist specified uplift pressures, thermally induced movement, and exposure to weather without failure.
B. Material Compatibility: Provide roofing materials that are compatible with one another under conditions of service and application required, as demonstrated by roofing membrane manufacturer based on testing and field experience.
C. Sustainability:
    1. Conform to NSF/ANSI Standard 347, "Sustainability Assessment for Single-Ply Roofing Membranes. Minimum certification level: Gold.
    2. Type III product-specific Environmental Product Declaration.
    3. Membrane is recyclable at end of use.
D. Physical Properties (must meet or exceed):
    1. Roof products must meet the requirements of Type III PVC sheet roofing as defined by ASTM D4434.
    2. Thickness: 50 mil, nominal, in accordance with ASTM D751.
    3. Thickness over Scrim: ≥ 26 mil in accordance with ASTM D7635.
    4. Breaking Strength: ≥ 423 lbf. (machine direction) and ≥ 278 lbf. (cross machine direction) in accordance with ASTM D751 Grab Method.
    5. Elongation at Break: ≥ 31% (machine direction) and ≥ 30% (cross machine direction) in accordance with ASTM D751 Grab Method.
    6. Seam Strength: ≥ 423 lbf. in accordance with ASTM D751 Grab Method.
    7. Tear Strength: ≥ 90 lbf. (machine direction) and ≥ 143 lbf. (cross machine direction) in accordance with ASTM D751 Procedure B.
    8. Low Temperature Bend: Pass at -40 °F in accordance with ASTM D2136.
    9. Heat Aging: Pass after being conditioned for 56 days in oven maintained at 176 °F in accordance with ASTM D3045.
    10. Accelerated Aging: Pass after 10,000 hours of total test time in accordance with ASTM G155.

11. Dimensional Stability: Change of 0.20% (machine direction) and 0.10% (cross machine direction) in accordance with ASTM 1204.
12. Water Absorption: < 2.6% at 158 °F for 168 hours in accordance with ASTM D570.
13. Static Puncture Resistance: ≥ 33 lbf. in accordance with ASTM D5602.
14. Dynamic Puncture Resistance: ≥ 14.7 ft-lbf. in accordance with ASTM D5635.

E. Cool Roof Rating Council (CRRC) (Membrane must be listed on the CRRC website):
    1. Solar Reflectance (Initial): ≥ 8%
    2. Solar Reflectance (3-Year Aged): ≥ 8%
    3. Thermal Emittance (Initial): ≥ 88%
    4. Thermal Emittance (3-Year Aged): ≥ 88%
    5. Solar Reflectance Index (SRI) (Initial): ≥ 3%
    6. Solar Reflectance Index (SRI) (3-Year Aged): ≥ 3%

F. Insulation:
    1. General Requirements
        a. Install using a minimum of Flute Fill and Cover board.
        b. Configuration as indicated on the drawings.
    2. EPS Flute Filler
        a. Assembly Thickness: 1.75"

1.4 SUBMITTALS

A. Product data sheets to be used, with the following information included:
    1. Preparation instructions and recommendations
    2. Storage and handling requirements and recommendations
    3. Installation methods
    4. Maintenance requirements

B. Sustainability Documentation:
    1. NSF/ANSI Standard 347 Certificate
    2. Type III product-specific Environmental Product Declaration

C. Shop Drawings: Indicate insulation pattern, overall membrane layout, field seam locations, joint or termination detail conditions, and location of fasteners.

D. Provide verification samples for each product specified (two samples representing each product, color and finish):
    1. 4-inch by 6-inch sample of roofing membrane, of color specified.
    2. 4-inch by 6-inch sample of walkway pad.
    3. Termination bar, fascia bar with cover, drip edge, and gravel stops, if to be used.
    4. Each fastener type to be used for installing membrane, insulation/recover board, termination bar and edge details.

E. Installer Certification: Certification from the roofing system manufacturer that Installer is approved, authorized, or licensed by manufacturer to install roofing system.
F. Manufacturer's warranties.

1.5 QUALITY ASSURANCE

A. Perform work in accordance with manufacturer's installation instructions.
B. Manufacturer Qualifications: A manufacturer specializing in the production of PVC membranes systems and utilizing a Quality Control Manual during the production of the membrane roofing system that has been approved by and is inspected by Underwriters Laboratories.
C. Installer Qualifications: Company specializing in installation of roofing systems similar to those specified in this project and approved by the roofing system manufacturer.
D. Source Limitations: Obtain components for membrane roofing system from roofing membrane manufacturer.
E. There shall be no deviations from the roof membrane manufacturer's specifications or the approved shop drawings without the prior written approval of the manufacturer.

1.6 REGULATORY REQUIREMENTS

A. Conform to applicable code for roof assembly fire hazard, wind uplift, and cool roof requirements.
B. Fire Hazard Requirements: Provide membrane roofing materials with the following fire-test-response characteristics. Materials shall be identified with appropriate markings from the applicable testing and inspecting agency.
    1. Class A
    2. Fire-test-response standard: Comply with ASTM E108 for application and roof slopes indicated.
    3. Fire-Resistance Ratings: Comply with ASTM E119 for fire-resistance-rated roof assemblies of which roofing system is a part.
    4. Conform to applicable code for roof assembly fire hazard requirements.
C. Wind Uplift Requirements: Roofing System Design: Provide a roofing system designed to resist uplift pressures calculated according to the current edition of ASCE/SEI 7, Minimum Design Loads and Associated Criteria for Buildings and Other Structures.
D. Cool Roof Requirements: Conform to IECC (International Energy Conservation Code) and IGCC (International Green Construction Code) cool roof requirements.

1.7 PRE-INSTALLATION MEETING

A. Convene meeting not less than one week before starting work of this section.
B. Review methods and procedures related to roof deck construction and roofing system including, but not limited to, the following:
    1. Meet with Owner, Architect, Owner's insurer if applicable, testing and inspecting agency representative, roofing installer, roofing system manufacturer's

representative, deck installer, and installers whose work interfaces with or affects roofing including installers of roof accessories and roof-mounted equipment.

2. Review and finalize construction schedule and verify availability of materials, installer's personnel, equipment, and facilities needed to make progress and avoid delays.
3. Examine deck substrate conditions and finishes for compliance with requirements, including flatness and fastening.
4. Review structural loading limitations of roof deck during and after roofing.
5. Review base flashings, special roofing details, roof drainage, roof penetrations, equipment curbs, and condition of other construction that will affect roofing system.
6. Review governing regulations and requirements for insurance and certificates if applicable.
7. Review temporary protection requirements for roofing system during and after installation.
8. Review roof observation and repair procedures after roofing installation.
9. Review existing roof manufacturer's recycling program and return roofing system to the manufacturer for recycling.

1.8 DELIVERY, STORAGE AND HANDLING

A. Deliver roofing materials to Project site in original containers with seals unbroken and labeled with manufacturer's name, product brand name and type, date of manufacture, and directions for storing and mixing with other components.

B. Store liquid materials in their original undamaged containers in a clean, dry, protected location and within the temperature range required by roofing system manufacturer. Protect stored liquid material from direct sunlight.

C. Protect roof insulation materials from physical damage and from deterioration by sunlight, moisture, soiling, and other sources. Store in a dry location. Comply with insulation manufacturer's written instructions for handling, storing, and protecting during installation.

D. Store roof materials and place equipment in a manner to avoid permanent deflection of deck.

E. Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.

1.9 WARRANTY

A. Contractor's Warranty: The contractor shall warrant the roof application with respect to workmanship and proper application for two (2) years from the effective date of the warranty issued by the manufacturer.

B. Manufacturer's Warranty: Must be no-dollar limit type and provide for completion of repairs, replacement of membrane or total replacement of the roofing system at the then-current

material and labor prices throughout the life of the warranty. In addition, the warranty must meet the following criteria:

1. Warranty Period: 20 years from date issued by the manufacturer.
2. Must provide adequate or sufficient drainage.
3. Issued direct from and serviced by the roof membrane manufacturer.
4. Transferable for the full term of the warranty.

PART 2 PRODUCTS

2.1 MANUFACTURER

A. All roofing system components to be provided or approved by roof system manufacturer.
B. Acceptable Manufacturers:
    1. Duro-Last Roofing

2.2 ROOFING SYSTEM COMPONENTS

A. Roofing Membrane:
    1. Properties:
        a. Type: PVC thermoplastic membrane
        b. Roll Width: 60" (Installed widths may vary)
        c. Membrane Color: Green
        d. Attachment Type: Mechanically Fastened
        e. Fasteners: Extra Heavy Duty Screw (#15)
        f. Plates: Steel Membrane Plate
    2. Features:
        a. ASTM D4434, Type III
        b. Fabric-reinforced, PVC.
        c. Minimum NSF 347 Gold certified.
B. Cover Board:
    1. Properties:
        a. Type: Fiberglass-Faced Roof Board 1/4-Inch
        b. Attachment Type: Mechanically Fastened
        c. Fasteners: Extra Heavy Duty Screw (#15)
        d. Plates: 3-Inch Metal Plate
    2. Features:
        a. Fiberglass mat-faced, gypsum core roof board
        b. Excellent fire, mold, and moisture resistance
        c. Provides protection to roof system from hail and foot traffic
        d. Manufactured to meet ASTM C1177

e. Florida Product Approved
f. Miami-Dade County, Product Control Approved

C. Insulation:
    1. General Requirements
        a. Provide preformed roof insulation boards that comply with requirements and referenced standards, as selected from manufacturer's standard sizes.
        b. Provide preformed saddles, crickets, and other insulation shapes where indicated for sloping to drain. Fabricate to slopes indicated.
        c. Provide roof insulation accessories approved by the roof membrane manufacturer and as recommended by insulation manufacturer for the intended use.
    2. Component:
        a. Properties:
            1. Type: EPS Flute Filler
            2. Board Application: Flat Stock
            3. Size: Custom
            4. Method: Assembly Thickness: 1.75"
            5. Density 1.25 minimum
            6. Attachment Type: Loose-Laid
        b. Features:
            1. Closed-cell, lightweight and resilient expanded polystyrene used as a flute filler for custom metal profiles
            2. Complying with ASTM C578, Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation

D. Existing Roof:
    1. Properties:
        a. Type: Standing Seam Metal Roof
        b. Core Samples: No
        c. Attachment Type: Mechanically Fastened

E. Accessory Materials: Provide accessory materials supplied by or approved for use by roof system manufacturer:
    1. Sheet Flashing: Manufacturer's standard reinforced PVC sheet flashing.
    2. Prefab Flashings: Manufactured using standard reinforced PVC membrane.
        a. Two-Way Vent
        b. Inside and Outside Corners
        c. Stack Flashing
        d. Stainless Steel Cable Ties
        e. Curb Flashing

3. Fasteners: Factory-coated steel fasteners meeting corrosion-resistance provisions in FMG 4470, designed for fastening membrane and insulation to substrate. Supplied by roof system manufacturer.
    a. Extra Heavy Duty Screw (#15)
4. Plates: Metal meeting corrosion-resistance provisions in FMG 4470, designed for fastening membrane and insulation to substrate. Supplied by roof system manufacturer.
    a. Steel Membrane Plate
    b. 3-Inch Metal Plate
    c. Inductive Weld Plate (Possibly)
5. Caulk: Compatible with roofing system and supplied by roof system manufacturer.
    a. Advanced Caulk
6. Vinyl Termination: Supplied by roof system manufacturer.
    a. Termination Bar
    b. Vinyl Fascia System
7. Metal Termination: Supplied by roof system manufacturer.
    a. Metal Fascia System
        i. ANSI/SPRI ES-1 compliant with 24-gauge Galvalume® and .040 aluminum cover
8. Gutter And Downspout: Supplied by roof system manufacturer.
    a. Box-Style Gutter
    b. Downspout
9. Vinyl Coated Metal Components: Compatible with roofing system and supplied by roof system manufacturer.
    a. 4' x 10' Vinyl Coated Metal Sheet
10. Additional Components: Supplied by roof system manufacturer.
    a. Walkway Pad

PART 3 EXECUTION

3.1 EXAMINATION

A. Verify that the surfaces and site conditions are ready to receive work.
B. Verify that the deck is supported and secured.
C. Verify that the deck is clean and smooth, free of depressions, waves, or projections, and properly sloped to drains, valleys, eaves, scuppers or gutters.
D. Verify that the deck surfaces are dry and free of standing water, ice or snow.
E. Verify that all roof openings or penetrations through the roof are solidly set.
F. If substrate preparation is the responsibility of another contractor, notify Architect of unsatisfactory preparation before proceeding.

G. Prior to re-covering an existing roofing system, conduct an inspection of the roof system accompanied by a representative of the membrane manufacturer or an authorized contractor.
    1. Determine required fastener type, length, and spacing.
    2. Verify that moisture content of existing roofing is within acceptable limits.
    3. Identify damaged areas requiring repair before installation of new roofing.
    4. Conduct core cuts as required to verify information required.

3.2 PREPARATION

A. Clean surfaces thoroughly prior to installation.
B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
C. Surfaces shall be clean, smooth, free of fins, sharp edges, loose and foreign material, oil, grease, and bitumen.
D. Re-Roofing Over Existing Metal Panel:
    1. Remove all loose or high fasteners.

3.3 INSTALLATION

A. Insulation:
    1. General Requirements
        a. Install insulation in accordance with the roof manufacturer's requirements.
        b. Insulation shall be adequately supported to sustain normal foot traffic without damage.
        c. Where field trimmed, insulation shall be fitted tightly around roof protrusions with no gaps greater than ¼ inch.
        d. Tapered insulation boards shall be installed in accordance with the insulation manufacturer's shop drawings.
        e. No more insulation shall be applied than can be covered with the roof membrane by the end of the day or the onset of inclement weather.
        f. If more than one layer of insulation is used, all joints between subsequent layers shall be offset by at least 6 inches.
    2. EPS Flute Filler
        a. Loosely lay insulation boards in parallel courses with end joints staggered 50% and adjacent boards butted together with no gaps greater than ¼ inch.
        b. EPS must rise over metal rib by ¾" Beveled to fit existing panel.
B. Cover Board:
    1. General Requirements
        a. Install cover board in accordance with the roof manufacturer's requirements.

2. Fiberglass-Faced Roof Board 1/4-Inch
    a. Use only fasteners, stress plates and fastening patterns accepted for use by the roof manufacturer. Fastening patterns must meet applicable design requirements.
    b. Install fasteners in accordance with the roof manufacturer's requirements. Fasteners that are improperly installed must be replaced or corrected.
    c. Attach boards in parallel courses with end joints staggered 50% and adjacent boards butted together with no gaps greater than ¼ inch.

C. Roofing Membrane:
    1. General Requirements
        a. Install membrane in accordance with the roof manufacturer's requirements.
        b. Cut membrane to fit neatly around all penetrations and roof projections.
    2. PVC thermoplastic membrane
        a. Use only fasteners, stress plates and fastening patterns accepted for use by the roof manufacturer. Fastening patterns must meet applicable design requirements.
        b. Install fasteners in accordance with the roof manufacturer's requirements. Fasteners that are improperly installed must be replaced or corrected.
        c. Mechanically fasten membrane to the structural deck utilizing fasteners and fastening patterns in accordance with the roof manufacturer's requirements.

D. Weld overlapping sheets together using hot air. Minimum weld width is 1-1/2 inches.

E. Check field welded seams for continuity and integrity and repair all imperfections by the end of each workday.

F. Flashings: Complete all flashings and terminations as indicated on the drawings and in accordance with the membrane manufacturer's requirements.
    1. Provide securement at all membrane terminations at the perimeter of each roof level, roof section, curb flashing, skylight, expansion joint, interior wall, penthouse, and other similar condition.
        a. Do not apply flashing over existing thru-wall flashings or weep holes.
        b. Secure flashing on a vertical surface before the seam between the flashing and the main roof sheet is completed.
        c. Extend flashing membrane a minimum of 6 inches (152 mm) onto the main roof sheet beyond the mechanical securement.
        d. Use care to ensure that the flashing does not bridge locations where there is a change in direction (e.g. where the parapet meets the roof deck).
    2. Penetrations:
        a. Flash all pipes, supports, soil stacks, cold vents, and other penetrations passing through the roofing membrane as indicated on the Drawings and in accordance with the membrane manufacturer's requirements.

b. Utilize custom prefabricated flashings supplied by the membrane manufacturer.
c. Existing Flashings: Remove when necessary to allow new flashing to terminate directly to the penetration.

3. Pipe Clusters and Unusual Shapes:
   a. Clusters of pipes or other penetrations which cannot be sealed with prefabricated membrane flashings shall be sealed by surrounding them with a prefabricated vinyl-coated metal pitch pan and sealant supplied by the membrane manufacturer.
   b. Vinyl-coated metal pitch pans shall be installed, flashed and filled with sealant in accordance with the membrane manufacturer's requirements.
   c. Pitch pans shall not be used where prefabricated, or field fabricated flashings are possible.

G. Edge Details:
   1. Provide edge details as indicated in the Scope of Work. Install in accordance with the membrane manufacturer's requirements.
   2. Join individual sections in accordance with the membrane manufacturer's requirements.
   3. Coordinate installation of metal flashing and counter flashing.
   4. Manufactured Roof Specialties: Coordinate installation of copings, counter flashing systems, gutters, downspouts, and roof expansion assemblies.

H. Walkways:
   1. Install walkways in accordance with the membrane manufacturer's requirements.
   2. Install walkway pads at roof hatches, access doors, rooftop ladders and all other traffic concentration points regardless of traffic frequency. Provided in areas 2 walkway pads receiving regular traffic to service rooftop units or where a passageway over the surface is required.
   3. Do not install walkways over flashings or field seams until manufacturer's warranty inspection has been completed.

I. Water Cut-Offs:
   1. Provide water cut-offs daily at the completion of work and at the onset of inclement weather.
   2. Provide water cut-offs to ensure that water does not flow beneath the completed sections of the new roofing system.
   3. Remove water cut-offs prior to the resumption of work.
   4. The integrity of the water cut-off is the sole responsibility of the roofing contractor.
   5. Any membrane contaminated by the cut-off material shall be cleaned or removed.

3.4 FIELD QUALITY CONTROL

A. The membrane manufacturer's representative shall provide a comprehensive final inspection after completion of the roof system. All application errors shall be addressed and final punch list completed.

3.5 PROTECTION

A. Protect installed roofing products from construction operations until completion of project.
B. Where traffic is anticipated over completed roofing membrane, protect from damage using durable materials that are compatible with membrane.
C. Repair or replace damaged products after work is completed.

4.0 SCOPE OF WORK

4.2 PERMITTING AND WORK PLAN SUBMISSION

1. Prepare documentation to obtain the necessary permits to complete the project.
2. It is the contractor of record to determine what permits are required.
3. NID will pay the issuing entity once the contractor submits the documentation to NID.
4. No work will begin until the permits are onsite.

4.1 ROOF PREP.

1. Work Areas include Warehouse, Office space, Loading Docks around building. (several locations found) Exclude small metal deck on the street side on Witcomb Ave.
2. Cover all existing skylight by using metal roof panels which match the existing metal panel.
3. Remove all dome skylights, remove existing curb, fill in using wood framing to match existing structure. Wood framing will be 24" O.C. 2x and Plywood to match existing thickness.
4. Remove existing Gutter, Straps and downspouts.
5. Dispose or recycle as needed.
6. Remove all Sight Screen panels and set aside for use on proposed sight screen around each unit. The City of Colfax will determine if the use of a sight screen will be necessary.
7. At all locations where metal roof meets gutter, cut back metal panel flush to existing inside of gutter to access gutter flange for the ease of gutter removal.
8. Remove all loose or high sitting screws.
9. Clean all existing material from termination point on Metal curbs parapet wall and vent pipes.
10. Remove all existing metal roof ridge caps.
11. Leave the existing top parapet wall cap flashing, and stucco counter flashing in place.
12. Remove screws where it could damage new roof material or corrupt the termination point.

4.2 GUTTER (Hunter Green) DOWNSPOUTS (Light Stone)

1. Use a minimum of 24-gauge 5" box stile gutter and minimum of 24-gauge downspout, Kynar finished. The Kynar color is described above.

2. Install galvanized screws which are long enough to penetrate the wood substrate behind metal sidewall panels by one inch minimum.
3. Gutter must be fastened 12” On Center which doesn’t include screws distance for straps.
4. Gutter straps will fasten to the Vinyl coated drip edge (drip edge will be back sealed as per Manufactures Specifications).
5. Downspout size will match existing. There are 3x4 inch and 4x4 inch. Kynar color is mentioned above. Color stripes will not be needed.
6. Downspouts will be placed in the same locations as existing.
7. Number of straps will match existing.
8. Bid Screens per county and city codes. Check Fire codes for new gutter systems.

4.3 PVC ROOF INSTALLATION

1. Install Flute fill as per manufacturers specifications. Fasten the bottom piece of flute fill to stop fill slippage during re-roof.
2. Fill must rise over top of the existing metal rib by 3/4”
3. Mechanically fasten ¼” cover board over the flute fill. Fasten using #15 screws only.
4. Fasten cover board as per Manufactures Specifications.
5. Mechanically fasten one layer of Green PVC membrane.
6. Membrane will be installed Vertically (Strap Method)
7. Mechanically Fasten using either manufactures #15 screw and cleat type plate at no greater than 6” OC.
8. Induction welding is an option if contractor can weld material properly with the insulation depths in this specification.
9. Lift All HVAC units to ensure the curb membrane is installed over the top of the curb or terminated properly at wood nailer because of low heights of existing curb.
10. Parapet walls with low termination point must extend Green PVC to be no more the ½” below weep screed of the existing stucco walls.
11. Back seal using strip mastic and use 1-3/4” Kynar metal fascia system as termination.
12. Seal top of fascia cover using bronze caulk but, weep holes of the stucco screed must be left open to allow water to drain out and fall out on top of the fascia system.
13. Parapet walls with TPO material can be left in place. Infill lower counter flashing using EPS or ISO products to buffer the gap between the counter flashing and new roof system.
14. Install on layer of Duro-Blue mechanically fastened.
15. Mechanically fasten 50 Mil Green PVC to manufacture specifications. The fastening wall will be the same as the deck.
16. Parapet wall material will extend up and over the top of the wall. Metal cap can remain in place.
17. Termination point will be the 1-3/4” fascia system. Kynar metal cover color is Light Stone.
18. A horizontal back seal is not required but vertical and diagonal installations will be required to have a back seal. See Manufactures Specifications.
19. Metal rake edge detail is the same as top of parapet detail. Diagonal installations will be required to have a back seal.
20. See Task 5 in NID RFQ for instructions on Clean up and Material disposal.

4.4 Uplift and Pressure report.

Uplift Pressure & Assembly Report

Customer & Building Details

	Customer Details	
	Customer Name	Nathan Droivold
	Company Name	Nevada Irrigation District
	Project Name	Hydroelectric Field Office Re-Roof
	Project Area	All Metal roof areas except for small deck
	Email Address	joseph.bristow@holcim.com
	Project Sq. Footage	57200
	Location Details	
	Address/Intersection	152 Witcomb Ave
	City	Colfax
	State	CA
	Postal Code	95713

ASCE Design Details & Pressures

	Building Dimensions	
	L × W × H (ft)	400 x 120 x 20
	Parapet Height (in)	0-24
	ASCE Specifications	
	ASCE Version	ASCE 7-16
	Risk Category	Risk Category III
	Enclosure Classification	Partially Enclosed Building
	Exposure Category	Exposure C

	ASCE Specifications	
	Wind Speed (MPH)	110
	Elevation (ASCE 7-16 only)	2341

	Roof Zones
	1' (field of roof--interior)
	1 (field of roof--exterior)
	2 (perimeter)
	3 (corner)
	h = eave height of roof

ASCE 7-16: Scenario 1
Use Safety Design Pressure for Factory Mutual (FM) Assemblies

	DESIGN WIND PRESSURE	**Zone 1'**	**Zone 1**	**Zone 2**	**Zone 3**
	Ultimate Design Uplift Pressure:	-31.63	-49.09	-62.18	-81.81
	Nominal (ASD) Design Uplift Pressure:	**-18.98**	**-29.45**	**-37.31**	**-49.09**
	Safety Design Pressure (Factor of 2):	60.00	60.00	74.62	98.18

System Design

	Construction Details	
	Construction Type	Re-Cover
	System Type	Mechanically Fastened
	Deck Type	Steel Deck (24 ga)
	Fastener Type	Duro-Last® EHD Screw (#15)

Construction Details				
Pullout Resistance is	Actual			
Pullout Resistance (lbs)	225			
MATERIAL TYPES	**Zone 1'**	**Zone 1**	**Zone 2**	**Zone 3**
Duro-Tuff/Duro-Last X (5 ft Roll System)	54" laps/9" o.c.	54" laps/9" o.c.	54" laps/6" o.c.	54" laps/6" o.c.

END OF SECTION

Addendum #2

Item 5: Existing As-Builts

GENERAL NOTES

1. ALL TOPOGRAPHIC INFORMATION, INCLUDING BEARINGS, DISTANCE, BENCHMARKS, ELEVATIONS, TREE LOCATIONS, AND MISC. FOUND ITEMS ARE BASED ON THE TOPOGRAPHIC SURVEY BY JERRY STARP SURVEYING. ELEVATIONS ARE BASED ON AN ASSUMED ELEVATION OF 2000.00 AT THE SOUTHEAST CORNER OF LOT 18. SEE TOPOGRAPHIC MAP SHEET C11 FOR TIE TO USGS DATUM AT MINK CREEK ADJACENT TO THE SOUTH.
2. ALL CONSTRUCTION MATERIALS AND INSTALLATION SHALL CONFORM TO THE REQUIREMENTS AND STANDARDS OF THE CITY OF COLFAX, STATE OF CALIFORNIA STANDARD SPECIFICATIONS, PLACER COUNTY WATER AGENCY, AND OTHER AGENCIES HAVING JURISDICTION AS APPLICABLE.
3. THE CONTRACTOR SHALL INSPECT ALL EXISTING CONDITIONS BEFORE BEGINNING ANY WORK, AND REPORT ANY DISCREPANCIES TO THE ARCHITECT OR ENGINEER.
4. THE CONTRACTOR SHALL INCORPORATE NECESSARY TRAFFIC CONTROL MEASURES AND SAFETY PROCEDURES PER CITY REQUIREMENTS.
5. THE CONTRACTOR SHALL ARRANGE FOR ALL INSPECTIONS AND TESTING AS NECESSARY. THE CITY AND SOILS ENGINEER SHALL BE GIVEN 48 HOURS NOTICE PRIOR TO SUCH WORK.
6. THE CONTRACTOR SHALL CONTACT ALL AGENCIES AND UTILITY COMPANIES AS REQUIRED FOR LOCATION OF EXISTING UNDERGROUND FACILITIES. CONTACT "UNDERGROUND SERVICE ALERT" AT 1-800-227-2600.
7. ANY EXISTING CONDITION, MATERIALS OR IMPROVEMENTS, THAT ARE TO REMAIN, WHICH ARE DAMAGED SHALL BE RETURNED TO ORIGINAL CONDITION PRIOR TO COMPLETION AT NO ADDITIONAL COST.
8. ALL EXISTING CONCRETE OR A.C. PAVING SHALL BE NEATLY SAWCUT IN STRAIGHT LINES. SUBGRADE SHALL BE COMPACTED AND CUT EDGES SHALL BE NEATLY TRIMMED TO FINAL PAVING.
9. ALL EXISTING TOP SOIL SHALL BE STOCKPILED WHERE LOCATED BY THE OWNER. THE TOPSOIL SHALL BE STRIPPED AS REQUIRED BY THE LANDSCAPE ARCHITECT. PRETREATMENT OR SOIL AMENDMENTS SHALL BE INCORPORATED BY THE LANDSCAPE CONTRACTOR. PLACEMENT OF TOPSOIL SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING SUBGRADE ELEVATIONS IN THE PLANTER AREAS PER LANDSCAPE ARCHITECT DIRECTION.
10. DUST CONTROL SHALL BE MAINTAINED AT ALL TIMES PER CITY STANDARDS AND APPROVED DUST CONTROL PLAN.
11. ALL CUT AND FILL PLACEMENT AND COMPACTION SHALL BE PERFORMED AND TESTED UNDER THE DIRECTION OF THE SOILS ENGINEER. THE SOILS REPORT PREPARED BY HOLDRIDGE AND KULL DATED MARCH 24, 2000 IS HEREBY MADE A PORTION OF THESE CONSTRUCTION DRAWINGS. ALL WORK SHALL CONFORM TO THE REQUIREMENTS CONTAINED IN THIS REPORT.
12. IF BLASTING OF ROCK IS REQUIRED IT SHALL BE PERFORMED AS REQUIRED BY THE CITY OF COLFAX.
13. THE CONTRACTOR SHALL STAKE ALL TREES LARGER THAN 6" THAT ARE TO REMAIN. SUCH STAKING SHALL DEFINE THE PERIMETER OF THE DRIPLINE AS DEFINED BY THE LANDSCAPE ARCHITECT. THE CONTRACTOR SHALL PAY A PENALTY OF $50.00 PER SCAR ON ANY TREE TRUNK WHICH RESULTS IN A LOSS OF BARK. THE CONTRACTOR SHALL PAY A PENALTY OF $500.00 PER TREE FOR ANY TREE REMOVED BUT SHOWN TO REMAIN ON THE PLANS. ANY SUCH TREES TO BE REMOVED SHALL BE REVIEWED BY THE LANDSCAPE ARCHITECT AND APPROVED BY THE CITY PRIOR TO REMOVAL.
14. ALL MATERIALS SHALL CONFORM TO CITY STANDARDS AND AS FOLLOWS:
    DRAINAGE PIPE: ADS-N-12 HIGH DENSITY POLYETHLYNE DOUBLE WALL (CORRUGATED EXTERIOR AND SMOOTH INTERIOR) 12" DIAMETER AND LARGER, AND PVC SCHEDULE 40 8" DIAMETER AND SMALLER.
    SEWER PIPE: SDR-35 PER CITY/PLACER COUNTY STANDARDS
    WATER PIPE: WATER LINES FROM POINT OF CONNECTION WITH WATER MAIN AND WITHIN PUBLIC RIGHT-OF-WAY SHALL BE OF MATERIAL TYPE AS REQUIRED BY P.C.W.A. ONSITE PRIVATE DOMESTIC WATER SERVICE, FIRE SPRINKLER LINE, AND PRIVATE LINE TO FIRE HYDRANT SHALL BE AWWA C900 PVC PER LOCAL FIRE DISTRICT.
    CONCRETE. SITE CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI AT 28 DAYS, AND CLASS B PER CALTRANS SECTION 90.
    CONCRETE REINFORCEMENT: GRADE 40, 40000 PSI, SECTION 52.
    PAVING: AGGREGATE BASE SHALL BE CLASS 2, 3/4" MAX GRADING. BASE SHALL CONFORM TO STATE SPECS. SECTION 28. AC PAVING SHALL BE TYPE B, 1/2" MAX. MEDIUM GRADING AND SHALL CONFORM TO SECTION 39.
    TRAFFIC SIGNS: PER CALTRANS "TRAFFIC SIGN SPECIFICATIONS" FOR STANDARD SIZE CHARACTERS. HANDICAP STALLS SHALL BE SIGNED WITH A PORCELAIN ON STEEL OR BEADED TEXT SIGN DISPLAYING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY. THE SIGN SHALL BE MOUNTED ON A STEEL POST WITH CONCRETE BASE, SIGN MOUNTED AT 80" OR AS DIRECTED BY THE CITY. THE PARKING LOT ENTRANCE SIGN SHALL STATE: "UNAUTHORIZED VEHICLES NOT DISPLAYING PLACARDS OR LICENSE PLATES FOR THE PHYSICALLY HANDICAPPED PERSONS MAY BE TOWED AWAY AT THE OWNER'S EXPENSE".
15. TEMPORARY EROSION CONTROL:
    A. BETWEEN OCTOBER 15 AND MAY 1 NO CONSTRUCTION SHALL BE DONE WITHOUT APPROVED EROSION AND SEDIMENT CONTROL IN PLACE. FOLLOW THE REQUIREMENTS SHOWN ON THE EROSION CONTROL PLAN AND THOSE CONTAINED IN THE "EROSION AND SEDIMENT CONTROL GUIDELINES FOR DEVELOPING AREAS OF THE SIERRAS, OCT. 1, 1991".
    B. DISTURBED SOILS SHALL BE LIMITED AS MUCH AS POSSIBLE TO THOSE WITHIN DEVELOPED AREAS OR AS SHOWN ON LIMIT LINES. ALL AREAS TO RECEIVE LANDSCAPING SHALL HAVE EROSION CONTROL PLACED. ANY AREAS DISTURBED WHICH ARE NOT SCHEDULED OR SHOWN TO RECEIVE PERMANENT LANDSCAPING SHALL RECEIVE PERMANENT EROSION CONTROL BY HYDROSEEDING. SEE LANDSCAPE DRAWINGS OR SPECS. FOR SEED MIX AND APPLICATION RATE.
16. FOR ADDITIONAL INFORMATION CONTACT ENGINEER: RANDY ROWLAND, ASSOCIATED ENGINEERING CONSULTANTS, 124 OAKWOOD DRIVE, AUBURN, 823-9145.

PROJECT NOTES

THE CITY MAY REQUIRE THE CONTRACTOR TO UNCOVER ANY IMPROVEMENTS THAT HAVE BEEN COMPLETED WITHOUT PROPER CITY INSPECTION AND/OR APPROVAL. IF THE INSTALLATION IS FOUND NOT TO MEET CITY STANDARDS OR PREVIOUSLY APPROVED ALTERNATIVES SHOWN ON THE PLANS, THE CONTRACTOR MAY BE REQUIRED TO REMOVE AND REPLACE SUCH IMPROVEMENTS AT HIS EXPENSE.

TEMPORARY TRAFFIC STRIPING MUST BE PROVIDED BY THE CONTRACTOR IF EXISTING DELINEATION IS DESTROYED DURING TRENCHING OR OTHER WORK. PAINTED MARKINGS OR STRIPING TAPE MAY BE USED. THE TEMPORARY STRIPING MUST BE APPROVED FOR MATERIAL AND LAYOUT BY THE ENGINEER BEFORE TRENCHING OR OTHER WORK IS STARTED. ALL TEMPORARY PAINTED MARKINGS THAT ARE TO BE REMOVED SHALL BE SANDBLASTED BY THE CONTRACTOR AT THE THE EXPENSE OF THE DEVELOPER.

PERMANENT TRAFFIC SIGNS SHALL CONFORM TO CALIFORNIA DEPARTMENT OF TRANSPORTATION "TRAFFIC SIGN SPECIFICATION" FOR "STANDAR" SIZE, CHARACTER DIMENSION AND LETTER STRIKE WIDTH. ALL STOP SIGNS SHALL BE 30 INCH MINIMUN SIZE OF HIGH INTENSITY GRADE SHEETING.

CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING MONUMENTS AND OTHER SURVEY MARKERS. MONUMENTS AND SURVEY MARKERS DESTROYED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

ALL FIELD STAKING SHALL BE DONE BY A REGISTERED CIVIL ENGINEER OR LICENSED LAND SURVEYOR. THE OWNER SHALL PROVIDE ONE SET OF CONSTRUCTION CONTROL STAKES. ANY ADDITIONAL STAKING NECESSARY SHALL BE PROVIDED BY THE ENGINEER/SURVEYOR AT THE EXPENSE OF THE CONTRACTOR.

AFTER STRIPPING OF THE DEBRIS, ANY LOOSE FILL, UNSUITABLE SOIL, SILTY SAND DEPOSITS, OR DISTURBED NATURAL SOILS SHALL BE EXCAVATED AND PROPERLY DISPOSED OF TO THE SATISFACTION OF THE ENGINEER.

ONLY THE APPROXIMATE LOCATION OF THE EXISTING SANITARY SEWER, STORM DRAINS, AND WATER LINES HAVE BEEN SHOWN. THE CONTRACTOR SHALL VERIFY EXACT LOCATIONS IN THE FIELD AND IMMEDIATELY NOTIFY THE PROJECT ENGINEER IF SAID LOCATION IS SIGNIFICANTLY DIFFERENT FROM THAT SHOWN ON THE PLANS.

CONTRACTOR MUST IMMEDIATELY REINSTALL ANY TRAFFIC SIGNS REMOVED IN THE COURSE OF CONSTRUCTION. ANY SIGNS LOST OR DAMAGED BY THE CONTRACTOR SHALL BE REPLACED OR REPAIRED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER.

WATER FACILITIES

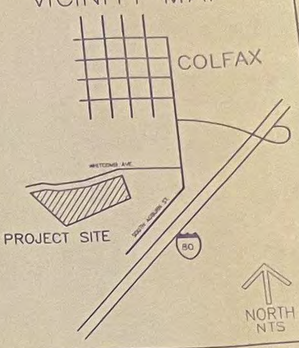
PLACER COUNTY WATER AGENCY INSPECTOR – PHONE 530-823-4885
P.C.W.A. MAP NO. 48-A-05
WATER LINES AND APPURTENANCES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE AGENCY'S LATEST REVISED SPECIFICATIONS. THE CONTRACTOR SHALL CONTACT PLACER COUNTY WATER AGENCY INSPECTOR 48 HOURS PRIOR TO COMMENCEMENT OF INITIAL WATER LINE CONSTRUCTION, AND BY 7:30 A.M. EACH DAY WORK ON WATER INSTALLATION OCCURS. THESE PLANS ARE APPROVED FOR USE FOR WATERLINE IMPROVEMENTS ONLY. CONFLICTS WITH OTHER IMPROVEMENTS SHALL BE THE RESPONSIBILITY OF OTHERS.

LEGEND

DESCRIPTION	PROPOSED	EXISTING
STORM DRAIN LINE		
DROP INLET/CATCH BASIN		
YARD DRAIN		
FLOWLINE		
DIRECTION OF FLOW		
PROPOSED ELEVATION	FL12345 TP	(E)FL12345 TP
SLOPE BANK 2:1 U.N.O.		
SANITARY SEWER	6"SS	6"SS
STORM DRAIN	6"SD	6"SD
WATER LINE	6"W	6"W
GATE VALVE		
BUTTERFLY VALVE		
FIRE HYDRANT ASSEMBLY		
REDUCED PRESSURE BACKFLOW PREVENTER	RPBA	RPBA
DOUBLE CHECK DETECTOR	DCDA	DCDA
REDUCER		
RESTRAINED JOINT LIMITS		
SEWER SERVICE		
SEWER MANHOLE		
CLEANOUT TO GRADE	COTG	COTG
PARKING LOT LIGHT		
PULLBOX		
SIDEWALK, CURB, GUTTER		
HANDICAP RAMP		
BARRICADE		

TP	TOP OF PAVEMENT	CB	CATCH BASIN
TG	TOP OF GRATE	YD	YARD DRAIN
TC	TOP OF CONCRETE	MH	MANHOLE
TW	TOP OF WALL	FF	FINISH FLOOR
FG	FINISH GRADE	PAD	FLOOR SUB-GRADE
FL	FLOWLINE	LF	LINEAL FEET
(E)	EXISTING	(N)	NEW
FES	FLARED END SECTION	TBM	TEMPORARY BENCH MARK
INV	INVERT OF PIPE	SS	SANITARY SEWER
W	WATER LINE	SD	STORM DRAIN
CATV	CABLE TELEVISION		

VICINITY MAP



INDEX TO DRAWINGS

COVER SHEET	C1
OVERALL & PAVING PLAN	C2.1
GRADING PLAN EAST PORTION	C2.2
GRADING PLAN WEST PORTION	C2.3
PLAN & PROFILE EAST & NORTH	C3
PLAN & PROFILE WEST SIDE	C4
PLAN & PROFILE SOUTH SIDE	C5
DRAINAGE & SEWER DETAILS	C6
WATER AND UTILITIES PLAN	C7
WATER LINE DETAILS	C8
EROSION CONTROL PLAN	C9
SITE LONGITUDINAL SECTION	C10
TOPOGRAPHIC SURVEY	C11

EARTHWORK QUANTITIES

NOTE TO CONTRACTOR: THE CALCULATION OF EARTHWORK QUANTITIES AND THE DETERMINATION OF ANY IMPORT OR EXPORT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE FOLLOWING QUANTITIES ARE FOR INFORMATIONAL PURPOSES ONLY:

CUT: 18,900 CUBIC YARDS
FILL: 20,200 CUBIC YARDS

INSTRUCTION TO CONTRACTORS

BEFORE COMMENCING WORK, ALL PLANS, SCHEDULES, AND PROGRAMS MUST BE SUBMITTED AND APPROVED IN CONFORMANCE WITH REQUIREMENTS OF SECTIONS 7-1.01E, 7-1.01G, AND 8-1.04 OF THE COUNTY OF PLACER GENERAL SPECIFICATIONS DATED OCTOBER, 1996, AND THE STATE OF CALIFORNIA STANDARD SPECIFICATIONS DATED JULY 1992. BEFORE COMMENCING WORK, THE CONTRACTOR SHALL NOTIFY THE BUILDING OFFICIAL 48 HOURS IN ADVANCE OF THE TIME OF COMMENCEMENT.
CALL CITY ENGINEER 1-530-346-2313

RECORD DRAWING NOTE:

ALL INFORMATION SHOWN ON THESE PLANS HAS BEEN PREPARED BY, OR UNDER THE DIRECTION OF, THE UNDERSIGNED ENGINEER. ADJUSTMENTS MADE IN THE FIELD DURING CONSTRUCTION ARE INCLUDED HEREIN AND ARE BASED UPON FIELD OBSERVATION MADE UNDER THE DIRECTION OF OR BY THE UNDERSIGNED AND/OR INFORMATION RECEIVED FROM THE PROJECT OWNER, PROJECT CONTRACTORS AND PUBLIC AGENCIES WHEN THE ENGINEER IS ADVISED IN WRITING OF SUCH CHANGES. THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, CHANGES TO THE PLANS NOT AUTHORIZED BY THE ENGINEER.

Randolph C Rowland — 20 Sept 02
RANDY ROWLAND, PE C25019 — DATE

DEVELOPER'S RIGHT-OF-WAY CERTIFICATE

I, Peter R. Brodeur, AN DEVELOPER HEREBY CERTIFIES THAT ALL REQUIRED RIGHT-OF-WAY AND OTHER LEGAL REQUIREMENTS FOR THE CONSTRUCTION OF ALL IMPROVEMENTS ASSOCIATED WITH THIS PROJECT, INCLUDING CONSTRUCTION PERMITS, WRITTEN CONSENTS, AND RIGHTS OF ENTRY, HAVE BEEN ACQUIRED PRIOR TO APPROVAL OF THESE PLANS. DEVELOPER CERTIFIES THAT DOCUMENTATION TO SUBSTANTIATE THIS CERTIFICATION HAS BEEN SUBMITTED TO THE CITY/COUNTY. DEVELOPER SHALL HOLD CITY/COUNTY HARMLESS IN THE EVENT THE ABOVE RIGHTS ARE NOT OBTAINED OR ARE DISPUTED. DEVELOPER HEREBY ACKNOWLEDGES AND AGREES THAT UNDISCOVERED ERRORS AND OMISSIONS OR OTHER REVISIONS REQUIRED BY ACTUAL FIELD CONDITIONS SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE AS DISCOVERED.

AS USED IN THIS CERTIFICATE, "DEVELOPER" SHALL INCLUDE THE DEVELOPER, DEVELOPER'S SUCCESSORS AND ASSIGNS AND DEVELOPER'S AUTHORIZED AGENT(S).

THE UNDERSIGNED HEREBY CERTIFIES THAT HE OR SHE HAS THE LEGAL AUTHORITY TO EXECUTE THIS CERTIFICATE ON BEHALF OF THE DEVELOPER, AND TO BIND DEVELOPER TO TERMS AND CONDITIONS STATED HEREIN.

SIGNED: Peter R. Brodeur — TITLE: PRESIDENT/OWNER
PRINT NAME: Peter R. Brodeur — DATE: 9/22/02
OWNER: QAUIL AIR PARK III, LLC. 12760 EARHART AVE. AUBURN, CA. 95602, 530-889-2240

PROPERTY LINE & CORNERS

PROPERTY LINES AND CORNERS SHOWN FOR LOTS 14,15,16 ARE BASED ON THE RECORDED MAP BOOK 19 OF PARCEL MAPS, PAGE 71.

BENCH MARKS

MINK CREEK: TOP OF SEWER MANHOLE – 2374.43
NAVD 88: TOP OF CONC. CULVERT – 2377.59

WHITCOMB AVE. = ADD 339.63'

SEE SHEET C11

UTILITIES

SEWER:	CITY OF COLFAX	JERRY HETH	123 MAIN STREET, COLFAX	530-346-2313
WATER:	P.C.W.A.	JOHN WILSUZ	144 FERGUSON ROAD, AUBURN	530-823-4886
POWER:	P. G. & E.	JOE KNAPP	333 SACRAMENTO ST.,AUBURN	530-889-3130
TELEPHONE:	VERIZON	TOM SIMMS	430 CENTER ST., MANTECA,CA. 95336	209-239-0334
CABLE TV:	CHARTER COMM.	—	110 LINCOLN WAY, AUBURN, 95603	800-557-6642
LPG:	AMERIGAS	LISA THOMAS	562 WHITING ST., GRASS VALLEY	1-800-415-0716

APPROVALS

PLANS ARE ACCEPTED FOR USE AS WORKING DOCUMENTS. UNDISCOVERED ERRORS AND OMISSIONS SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE AS DISCOVERED. THIS APPROVAL EXPIRES THREE (3) YEARS FROM THE APPROVAL DATE UNLESS AN EXTENSION IS APPROVED BY THE DEPARTMENT OF PUBLIC WORKS OR CONSTRUCTION HAS BEGUN.

PLACER COUNTY WATER AGENCY
Brian C. Mark — 9/5/02
PCWA ENGINEER — DATE

DEPARTMENT OF PUBLIC WORKS
CITY ENGINEER, CITY OF COLFAX — DATE

FIRE DEPARTMENT
COLFAX FIRE DEPARTMENT — DATE

NO.	DESCRIPTION	DATE
3	APPROVED AS BUILT	2/15/03
2	UPDATE LEGEND/SYMBOLS	9/30/02
1	ADD WHITCOMB AVE ELEVATION BASE	9/23/02

REVISION

MA ARCHITECTURE
MINTA
112 GOLD STREET, AUBURN, CALIF 95603 (530) 888-7391

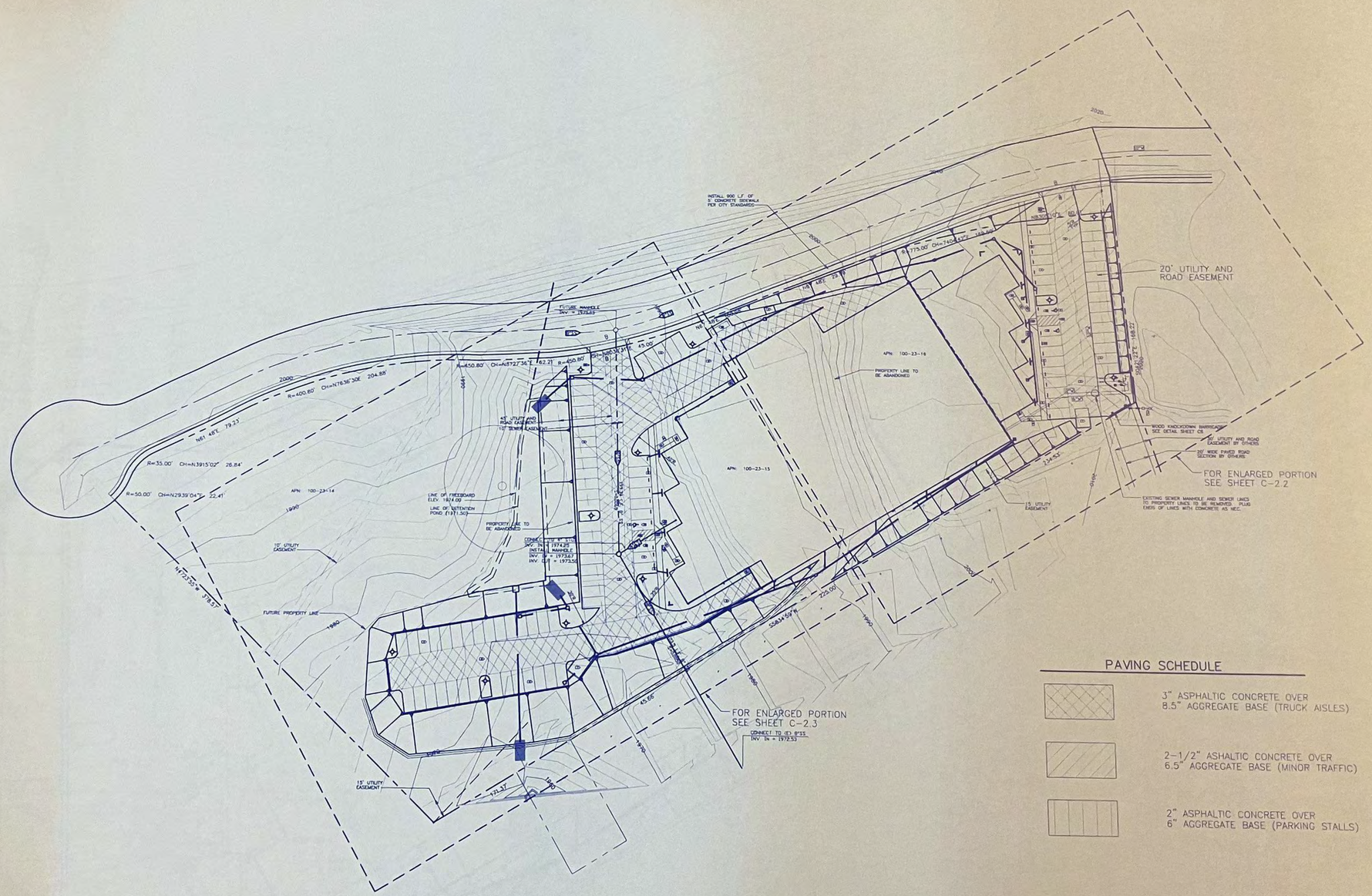
GKM / TULLY-WHR
COLFAX INDUSTRIAL PARK
COLFAX AVE, COLFAX, CA. 95603
WHITCOMB

JOB NO. ____
DRAWN ____
CHECKED ____
DATE 9/15/00
SCALE ____

SHEET C1 OF –

NO.	DESCRIPTION	APPROVED BY	DATE
1	DELETE WATER IN STREET & RTR. SERVICE		4/15/01
2	RELOCATE WATER SERVICE TO WHITCOMB		5/31/01
3	RELOCATE SEWER & WATER PER CITY ENGINEER		8/3/01
4	WATER LINE CHANGES PER PCWA		8/24/01

REVISION



PAVING SCHEDULE

- 3" ASPHALTIC CONCRETE OVER 8.5" AGGREGATE BASE (TRUCK AISLES)
- 2-1/2" ASHALTIC CONCRETE OVER 6.5" AGGREGATE BASE (MINOR TRAFFIC)
- 2" ASPHALTIC CONCRETE OVER 6" AGGREGATE BASE (PARKING STALLS)

NORTH

OVERALL PAVING PLAN

SCALE: 1" = 40'

GKM / TULLY-WIHR
COLFAX INDUSTRIAL PARK
WHITCOMB AVE, COLFAX, CA. 95603

MINTA ARCHITECTURE
112 COLD STREET, AUBURN, CALIF 95603 (530) 888-7738

JOB NO.
DRAWN
CHECKED
DATE 9-15-00
SCALE

SHEET C2.1 OF

GRADING & DRAINAGE EAST PORTION

SCALE: 1" = 20'-0"

NORTH

NO.	DESCRIPTION	APPROVED BY	DATE
1	DELETE WATER IN STREET & WTR. SERVICE		2/15/01
2	RELOCATE WATER SERVICE TO WHITCOMB AVE.		5/31/01
3	CHANGE WATER LINES PER PCWA		8/24/01

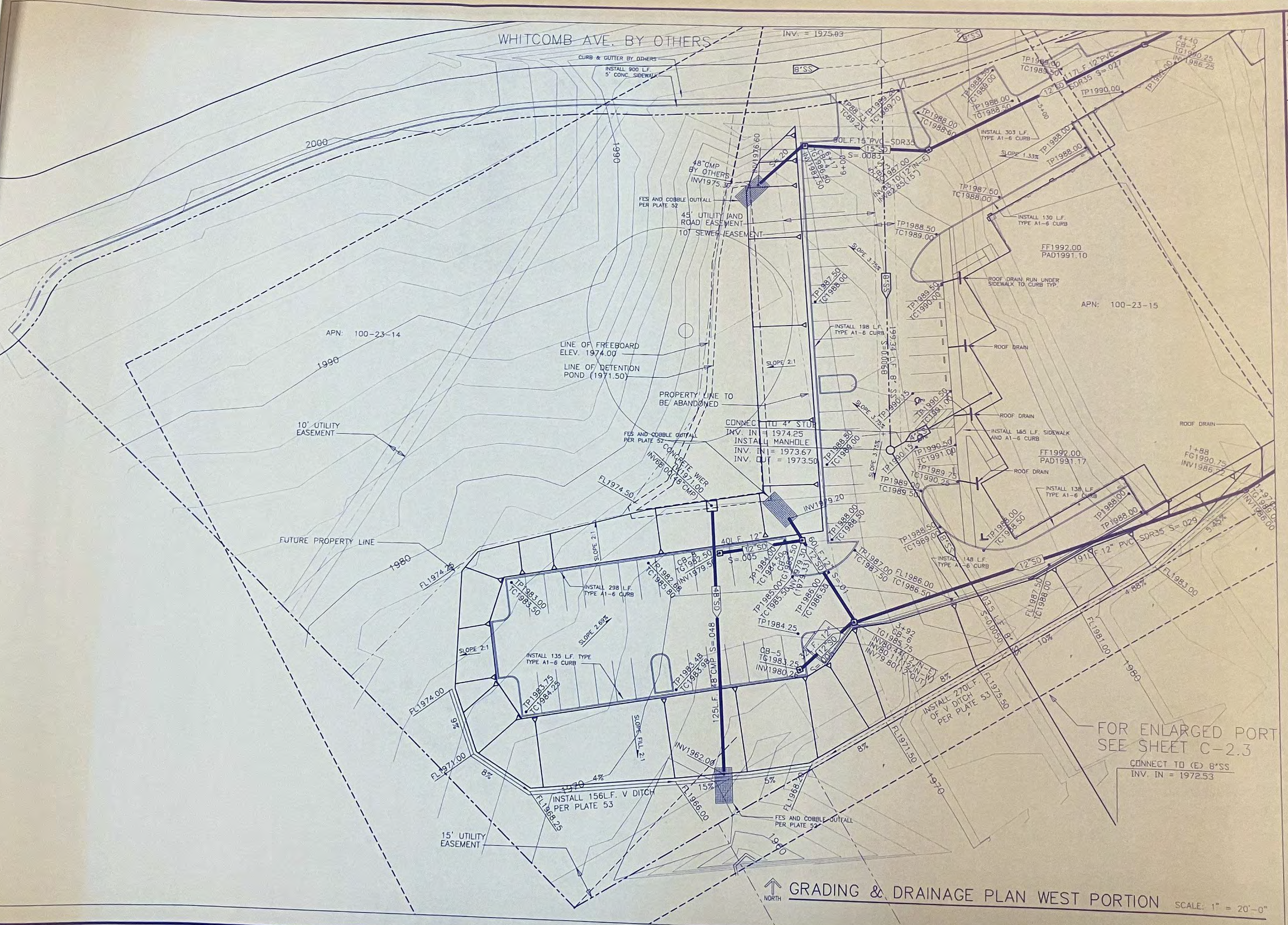
REVISION

MINTA ARCHITECTURE
112 GOLD STREET, AUBURN, CALIF. 95603 (530) 888-7381

GKM / TULLY-WHR
COLFAX INDUSTRIAL PARK
WHITCOMB AVE, COLFAX, CA. 95603

JOB NO.
DRAWN
CHECKED
DATE 9/15/00
SCALE

SHEET C2.2 OF



GRADING & DRAINAGE PLAN WEST PORTION

SCALE: 1" = 20'-0"

NO.	DESCRIPTION	APPROVED BY	DATE
1	DELETE WATER IN STREET		2/15/01
2	UPDATE ELEVATION 48" CMP AT WIER		5/31/01
3	RELOCATE SEWER & WATER PER CITY ENGINEER		8/3/01
4	ADD CB-8 & 9 AND 40 L.F. 12" DRAIN LINE		10/8/01

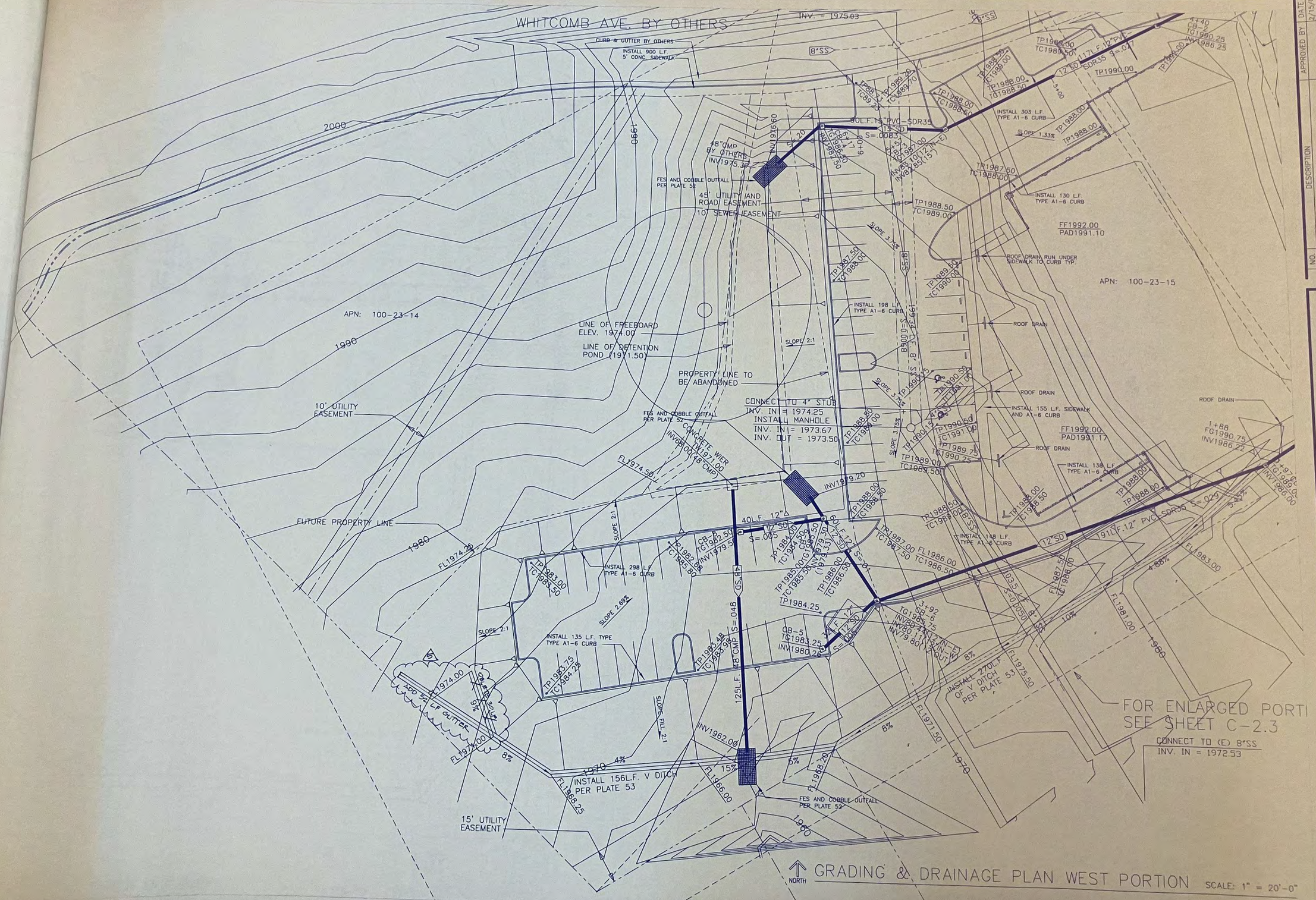
REVISION

MINTA ARCHITECTURE
112 GOLD STREET, AUBURN, CALIF. 95603 (530) 888-7738

GKM / TULLY-WIHR
COLFAX INDUSTRIAL PARK
WHITCOMB AVE, COLFAX, CA. 95603

JOB NO.
DRAWN
CHECKED
DATE 9/15/00
SCALE

SHEET
C2.3
OF



NO.	DESCRIPTION	APPROVED BY	DATE
1	DELETE WATER IN STREET		12/15/01
2	UPDATE ELEVATION 48" CMP AT WIER		5/31/01
3	RELOCATE SEWER & WATER PER CITY ENGINEER		8/3/01
4	ADD CB-8 & 9 AND 40 L.F. 12" DRAIN LINE		10/8/01
5	Revised Gutter, West End		9/6/02

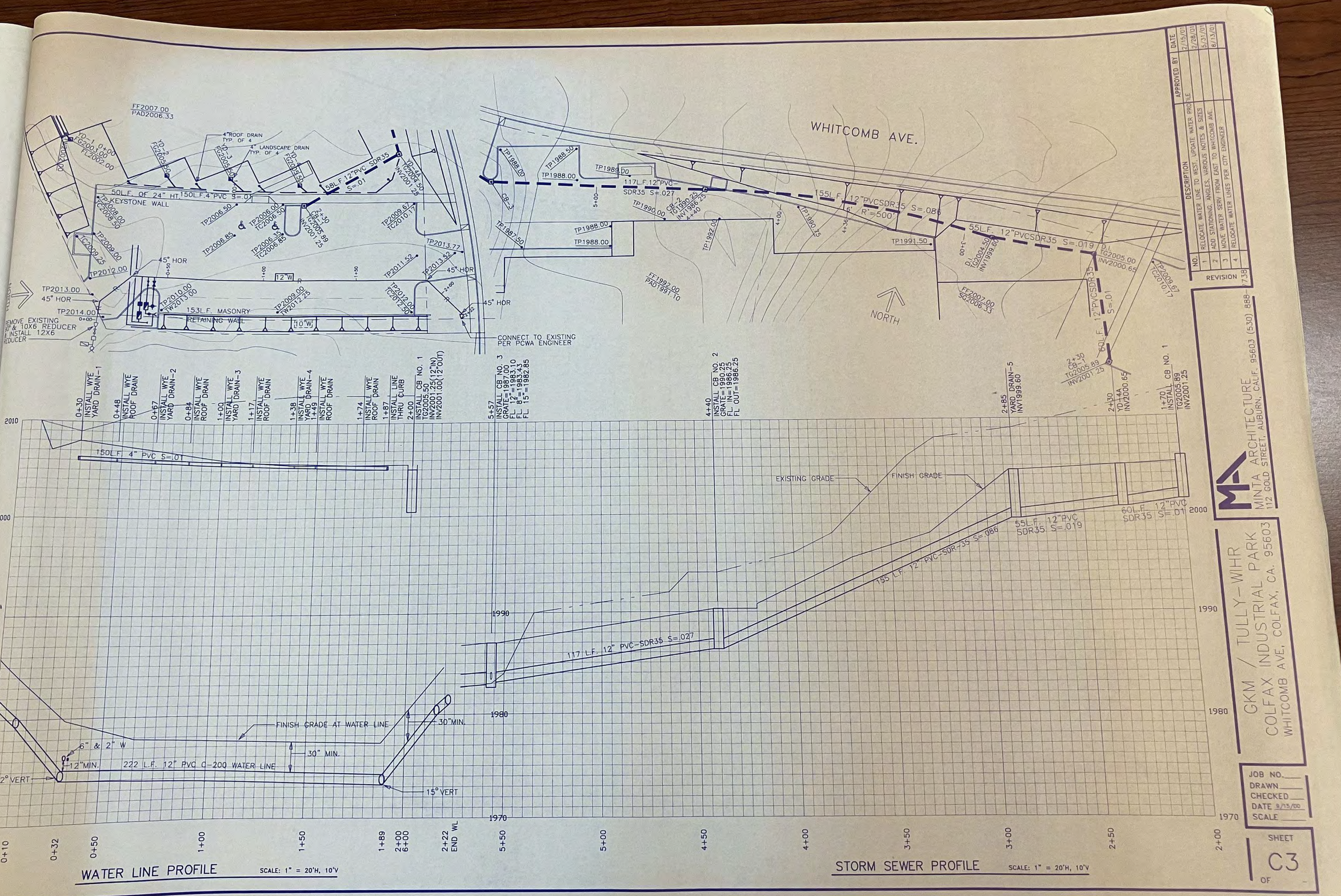
REVISION

MINTA ARCHITECTURE
112 GOLD STREET, AUBURN, CALIF. 95603 (530) 888-1738

CKM / TULLY-WIHR
COLFAX INDUSTRIAL PARK
WHITCOMB AVE, COLFAX, CA. 95603

JOB NO.
DRAWN
CHECKED
DATE 9/15/00
SCALE

SHEET C2.3 OF



WATER LINE PROFILE

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

STORM SEWER PROFILE

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

NO.	DESCRIPTION	APPROVED BY	DATE
1	RELOCATE WATER LINE TO WEST, UPDATE WATER PROFILE		2/15/01
2	ADD STATIONING, ANGLES, VARIOUS NOTES & SIZES		2/28/01
3	MOVE WATER SERV FROM EAST TO WHITCOMB AVE.		5/31/01
4	RELOCATE WATER LINES PER CITY ENGINEER		8/13/01

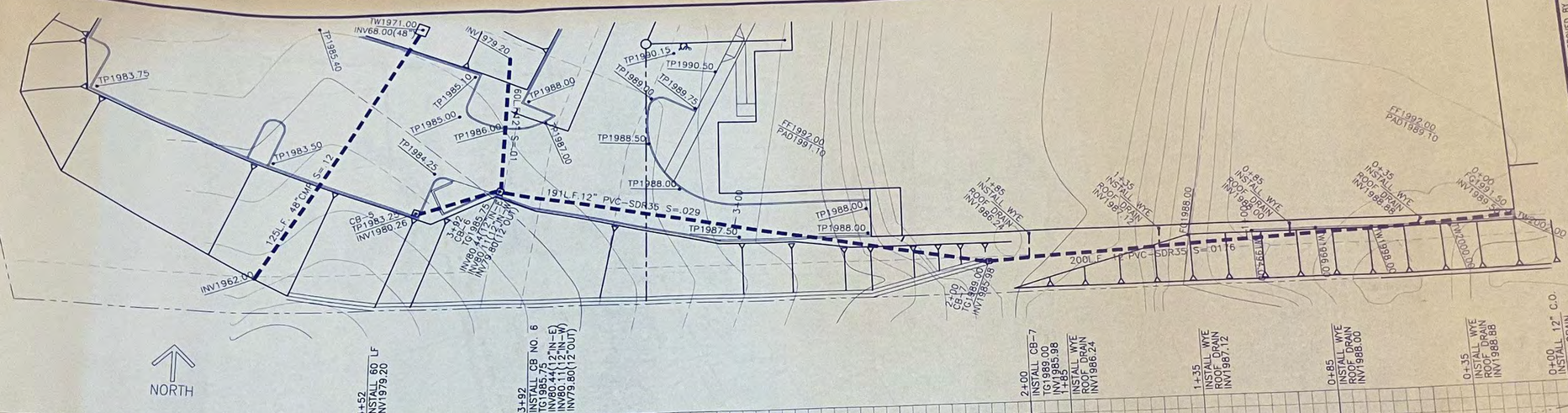
REVISION

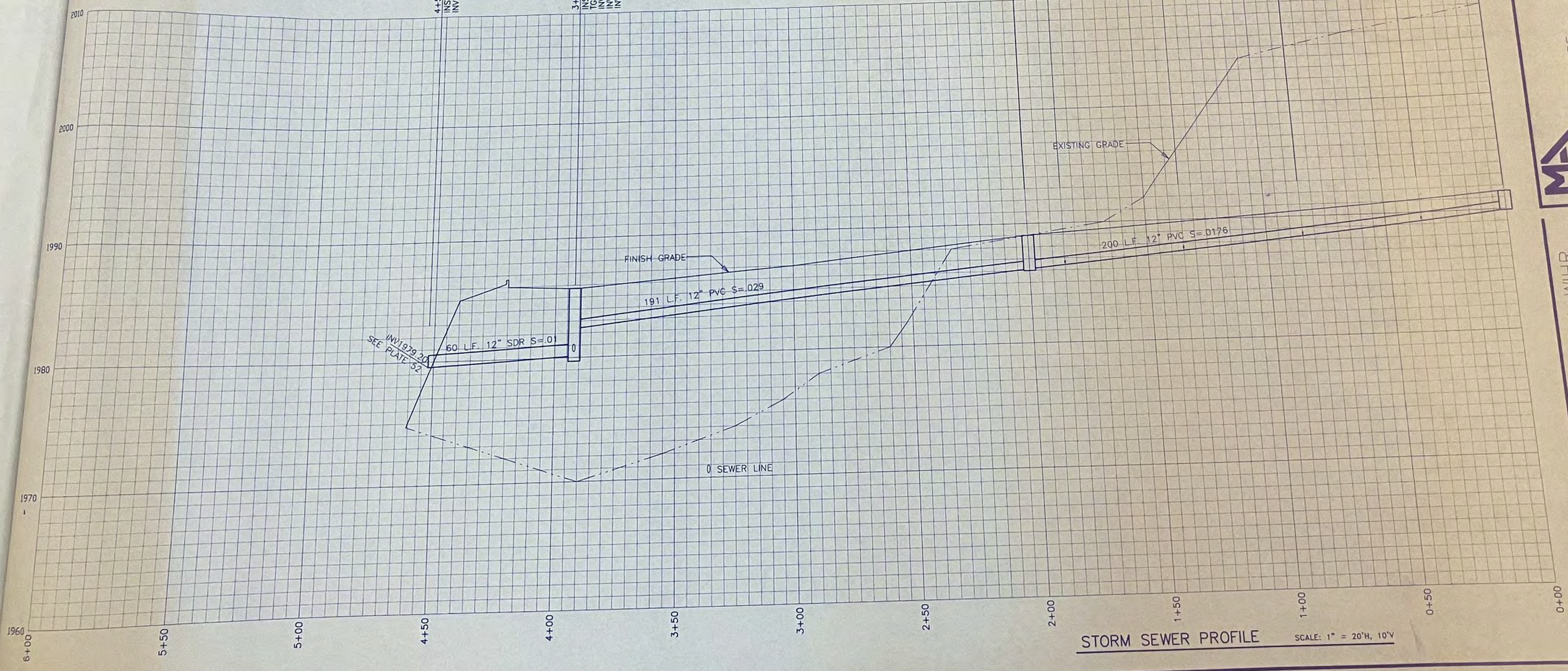
MINTA ARCHITECTURE
112 GOLD STREET, AUBURN, CALIF. 95603 (530) 888-7381

GKM / TULLY-WIHR
COLFAX INDUSTRIAL PARK
COLFAX, CA. 95603
WHITCOMB AVE.

JOB NO.
DRAWN
CHECKED
DATE 9/15/00
SCALE

SHEET C3 OF





STORM SEWER PROFILE SCALE: 1" = 20'H, 10'V

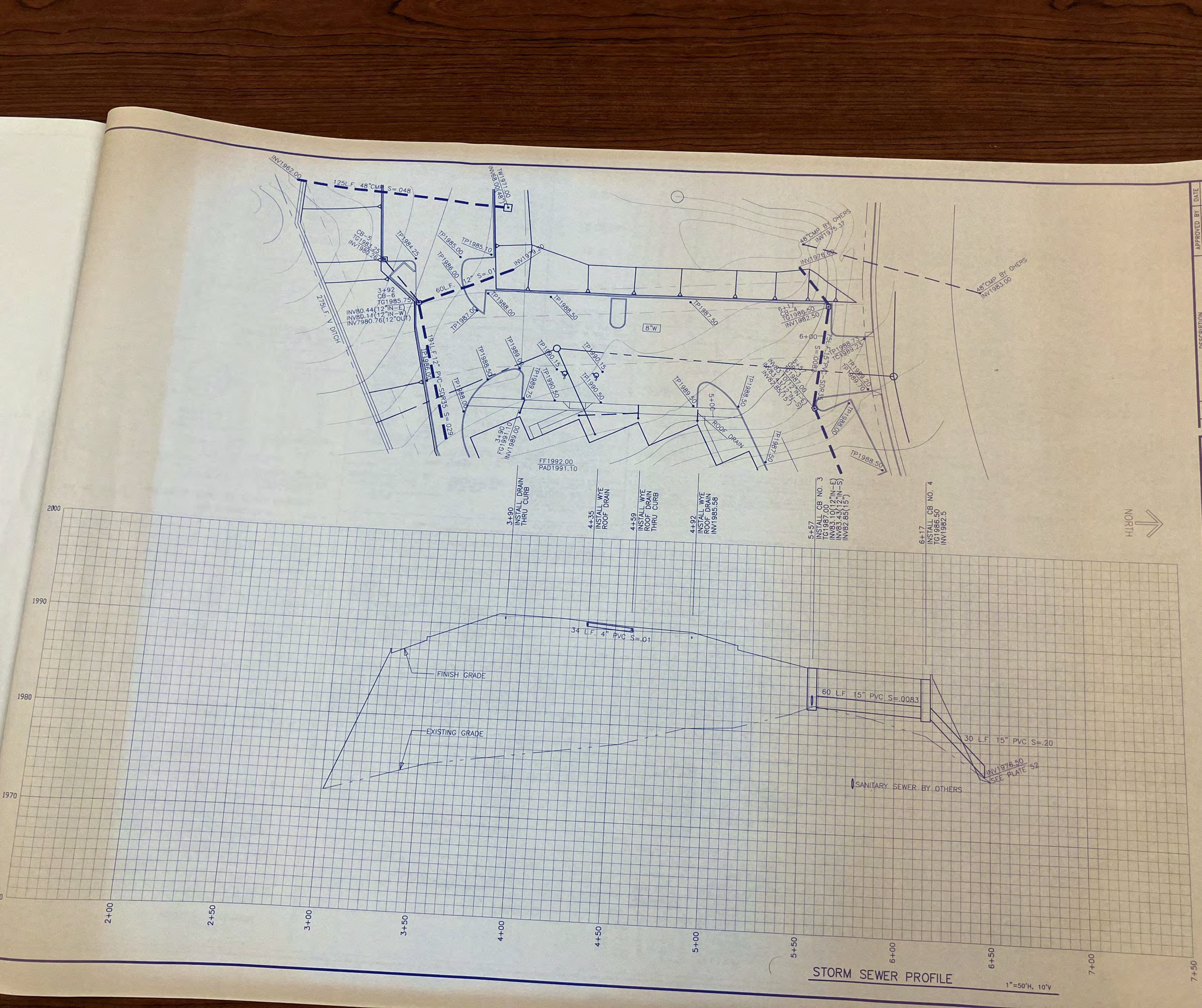
NO.	REVISION	APPROVED BY	DATE
1	UPDATE ELEVATION OF 48" CMP AT INLET		5/31/01
2	RELOCATE SEWER PER CITY ENGINEER		8/13/01

MINTA ARCHITECTURE
112 GOLD STREET, AUBURN, CALIF. 95603 (530) 888-7738

GKM / TULLY-WIHR
COLFAX INDUSTRIAL PARK
WHITCOMB AVE., COLFAX, CA. 95603

JOB NO.
DRAWN
CHECKED
DATE 9-15-00
SCALE

SHEET C4 OF



STORM SEWER PROFILE

1"=50'H, 10'V

NO.	DESCRIPTION	APPROVED BY	DATE
1	LABEL WATER, DELETE WATER IN STREET		2/15/01
2	CHANGE INVERT ELEVATION 48" CMP AT MH#5		5/31/01
3	RELOCATE SEWER AND WATER PER CITY ENG.		8/3/01
4	DELETE WATER LINE/HYDRANT PER PCWA ENG.		8/13/01

REVISION

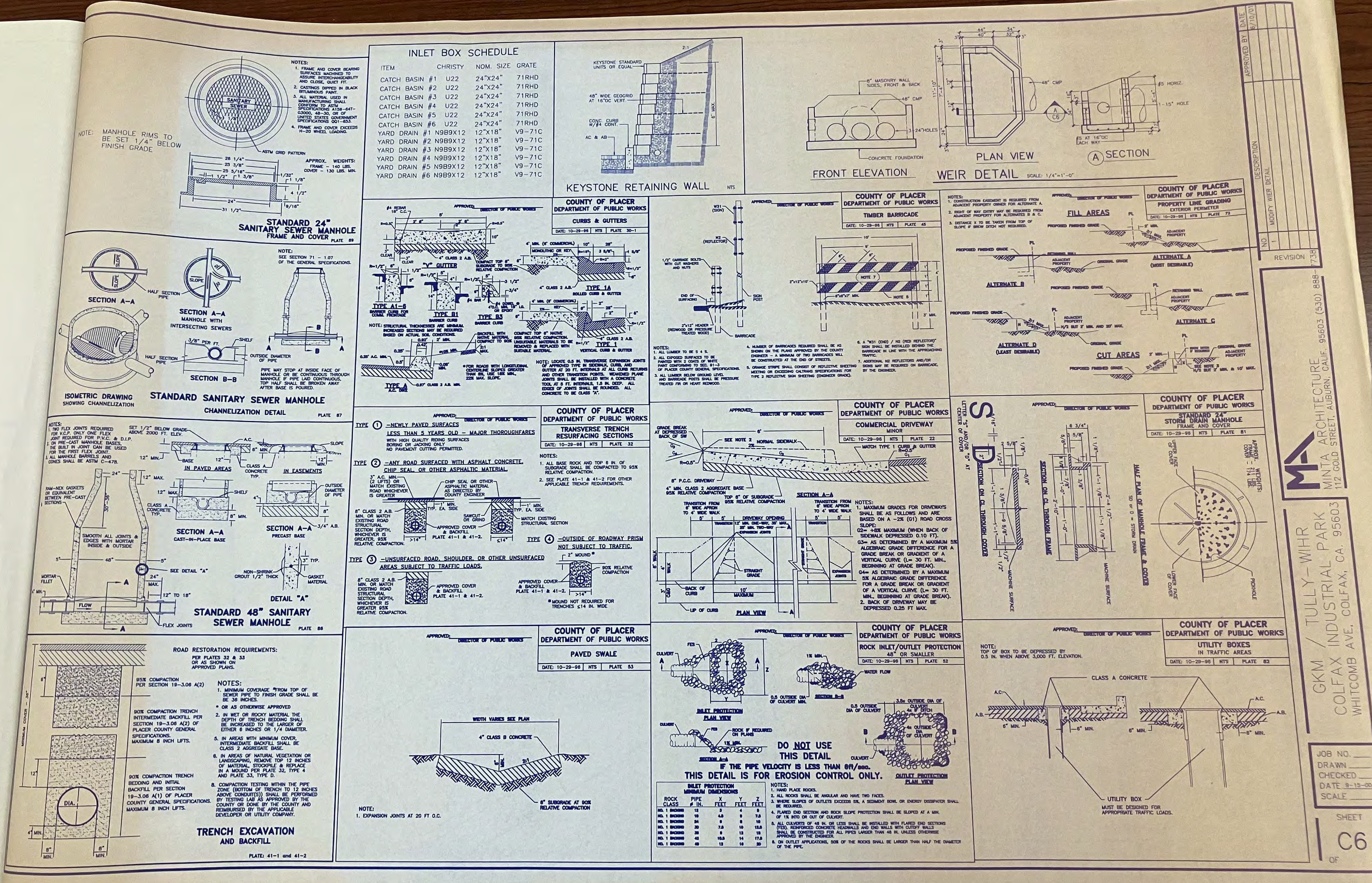
738

MINTA ARCHITECTURE
112 GOLD STREET, AUBURN, CA. 95603 (530) 888-

GKM / TULLY-WHR
COLFAX INDUSTRIAL PARK
WHITCOMB AVE, COLFAX, CA. 95603

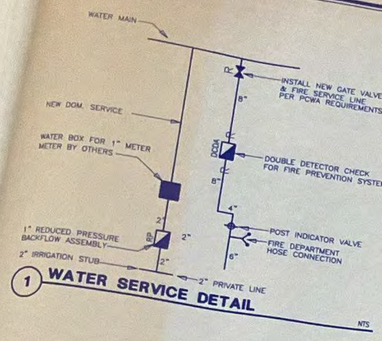
JOB NO.
DRAWN
CHECKED
DATE 9-15-00
SCALE

SHEET
C5



INLET BOX SCHEDULE

ITEM	CHRISTY	NOM. SIZE	GRATE
CATCH BASIN #1	U22	24"X24"	71RHD
CATCH BASIN #2	U22	24"X24"	71RHD
CATCH BASIN #3	U22	24"X24"	71RHD
CATCH BASIN #4	U22	24"X24"	71RHD
CATCH BASIN #5	U22	24"X24"	71RHD
CATCH BASIN #6	U22	24"X24"	71RHD
YARD DRAIN #1	N9B9X12	12"X18"	V9-71C
YARD DRAIN #2	N9B9X12	12"X18"	V9-71C
YARD DRAIN #3	N9B9X12	12"X18"	V9-71C
YARD DRAIN #4	N9B9X12	12"X18"	V9-71C
YARD DRAIN #5	N9B9X12	12"X18"	V9-71C
YARD DRAIN #6	N9B9X12	12"X18"	V9-71C



1 **WATER SERVICE DETAIL** NTS

WATER LINE N.I.C.

SEWER MAIN BY OTHERS

FUTURE MANHOLE INV. = 1975.03

12"W

8"SS

CONNECT TO EXISTING 8" CITY FIRE LINE AND INSTALL 8" DOUBLE DETECTOR CHECK AND CONNECT TO 8" LINE TO HYDRANT

DCDA

PGE, TELEPHONE, CATV PULL BOXES BY OTHERS

INSTALL 2-5" CONDUITS FOR POWER PER PGE, 1-4" CONDUIT FOR TELE., 1-1" CONDUIT FOR CATV TO ELEC. ROOM, PER RESPECTIVE UTILITY COMPANY REQUIREMENTS.

INSTALL 2" DIA. CONDUIT FOR GAS LINE PER PROPANE COMPANY. 4" CONCRETE SLAB AS REQUIRED

FIRE HYDRANT ASSEMBLY INSTALL 8" DCDA, CHECK VALVE, POST INDICATOR, AND FIRE DEP'T. CONNECTION AS REQUIRED

INSTALL 1" DOMESTIC WATER SERVICE. METER BY OTHERS

10"W

45° HOR

CONNECT TO EXISTING PER PCWA ENGINEER

12" 90 ELL

45° HOR

EXISTING 20' UTILITY EASEMENT

EXISTING WATER LINE TO BE ABANDONED

NEW 12" PVC WATER MAIN PER PCWA

FOR WATER LINE PROFILE SEE SHT. 63

NEW 20' PCWA EASEMENT

12"W

2020

RETAINING WALL SEE SERVICE DTL THIS SHEET

INSTALL 2" IRR. TEE, REDUCED PRESSURE BACKFLOW PREVENTER AND STUB

2"W

6"W

6"

45° HOR

FIRE SPRINKLER RISER

2040

EXISTING 6" DC, SHUT-OFF VALVE, AND METER TO REMAIN IN PLACE. REMOVE 90 ELL AND REPLACE REDUCER AND CONNECT TO NEW 12" LINE PER PCWA ENGINEER

2010

2000

1990

SANITARY SEWER BY OTHERS

199.34 LF 8" SS S=0.0068

8"SS

CONNECT BUILDING SEWER SERVICE TO MANHOLE BY OTHERS

CONNECT TO 4" STUB INV. IN = 1974.25

INSTALL MANHOLE INV. IN = 1973.67 INV. OUT = 1973.50

85 LF 4" SS S=.05

4"SS

8"W

CLEAN-OUT TO GRADE FLOWLINE = 1984.00

INSTALL NEW 6" VALVE AND LINE TO FIRE HYDRANT PER CITY FIRE DEPT.

WATER AND UTILTIES PLAN

SCALE: 1" = 20'-0"

NO	DESCRIPTION	DATE
1	RELOCATE WATER LINE, DELETE WATER SERVICE	2/15/01
2	ADD NOTES & ANGLES, EXTEND EASEMENT	2/28/01
3	RELOCATE FIRE/DOM. SERVICE TO WHITCOMB	5/31/01
4	CHANGE WATER PER PCWA ENGINEER	8/13/01
5	ADD DCDA FOR PRIVATE HYDRANT WEST DRIVEWAY	8/21/01

APPROVED BY

REVISION

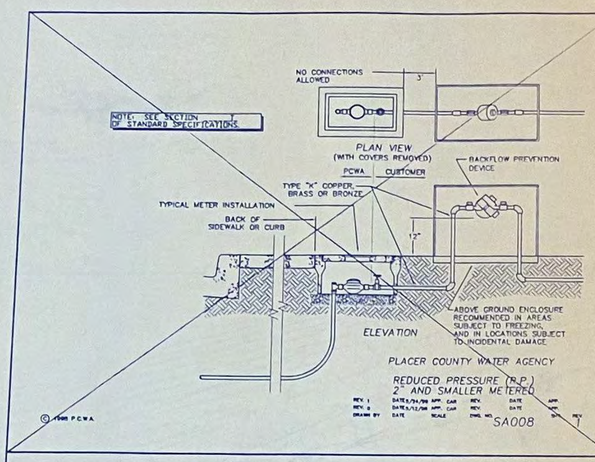
738

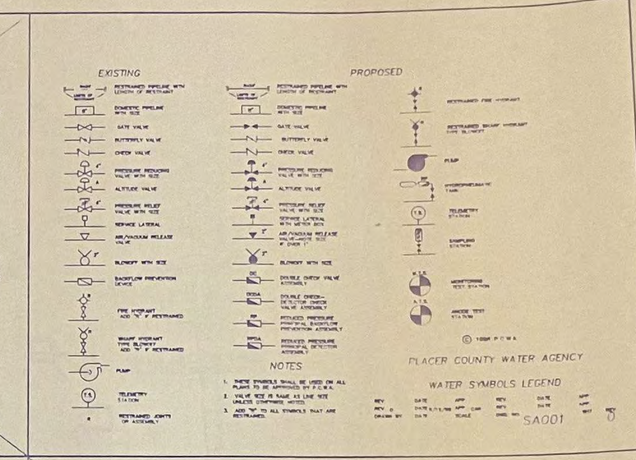
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COLFAX INDUSTRIAL PARK
WHITCOMB AVE, COLFAX, CA. 95603

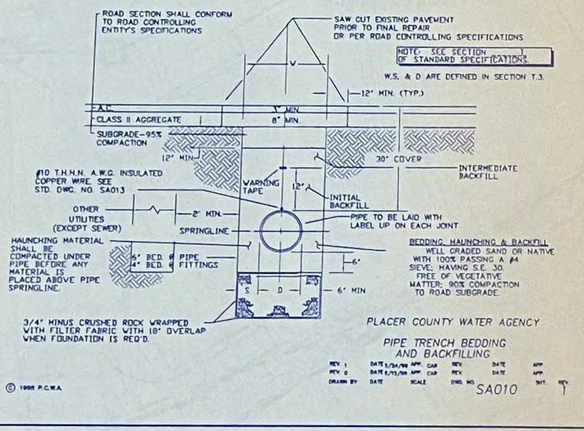
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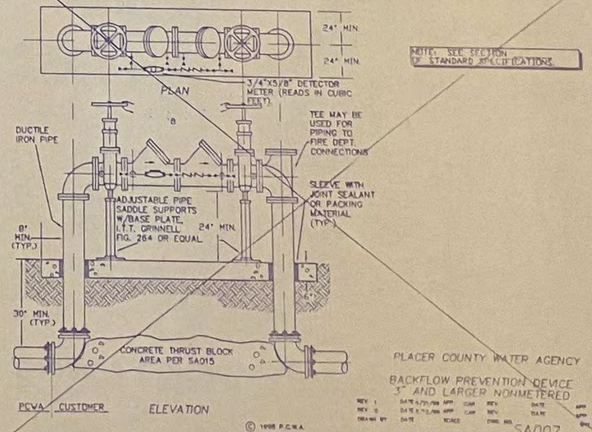
JOB NO.
DRAWN
CHECKED
DATE 9/15/00
SCALE

SHEET C7 OF









REVISION	DESCRIPTION	DATE
9		

MINTA ARCHITECTURE
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GKM / TULLY-WHR
COLFAX INDUSTRIAL PARK
WHITCOMB AVE, COLFAX, CA. 95603

JOB NO.
DRAWN
CHECKED
DATE 8/15/00
SCALE

SHEET
C8
OF

BY OCTOBER 15TH, SEED, FERTILIZER, AND MULCH SHALL BE APPLIED TO ALL DISTURBED AREAS ANY ALL EXPOSED CUT AND FILL SLOPES NOT PROTECTED BY ROCK IN THE FOLLOWING RATES.

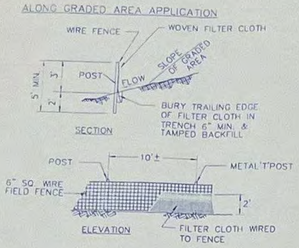
		LBS/ACRE
SEED MIXES:	SHALLOW SOILS W/ SOUTH OR WEST EXPOSURE	
CALIFORNIA POPPY	ZORRO ANNUAL FESCUE	6
(BROWN LUPINE CAN BE SEEDED IN WITH THESE MIXTURES AT THE RATE OF 2 LBS/ACRE)	ROSE CLOVER	9
	DEEPER SOILS OR NORTH EXPOSURE	
	BLANDO BROME	12
	ROSE CLOVER	9
FERTILIZER	BLANDO BROME	12
	LANA VETCH	15
	AMMONIUM PHOSPHATE (16-20-00)	250
MULCH	WOOD FIBER (ONLY IF HYDROSEEDED), CLEAN STRAW (IF HYDROSEEDED, BLOW STRAW OVER HYDROSEED)	500 3,000 (1½ TONS)

* LEGUMES SHALL BE INOCULATED WITH APPROPRIATE BACTERIA AT ACCEPTED RATES AT TIME OF SEEDING. SEED AND FERTILIZER SHALL BE APPLIED USING BROADCAST OR HYDROSEED METHOD. IF HYDROSEEDED, SEED RATES SHALL BE INCREASED BY 25% AND LEGUMES SHALL BE PROPERLY COATED TO PROTECT BACTERIA. IF BROADCAST, SEED RATES SHALL BE DOUBLED. ON SLOPES GREATER THAN 2:1, OTHER MEASURES SUCH AS NETTING OR TACKIFIERS SHALL BE UTILIZED TO HOLD MATERIALS IN PLACE UNTIL VEGETATION IS ESTABLISHED.

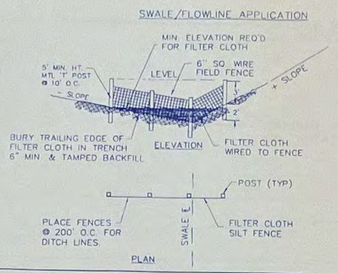
TEMPORARY EROSION CONTROL PLAN: IF PERMANENT EROSION CONTROL MEASURES ARE NOT INSTALLED PRIOR TO OCTOBER 15 OF THE YEAR CONSTRUCTION STARTS, THEN THE WINTERIZATION PLAN SHALL BE COMPLETED BY OCTTOBER 15.

(1) EROSION CONTROL

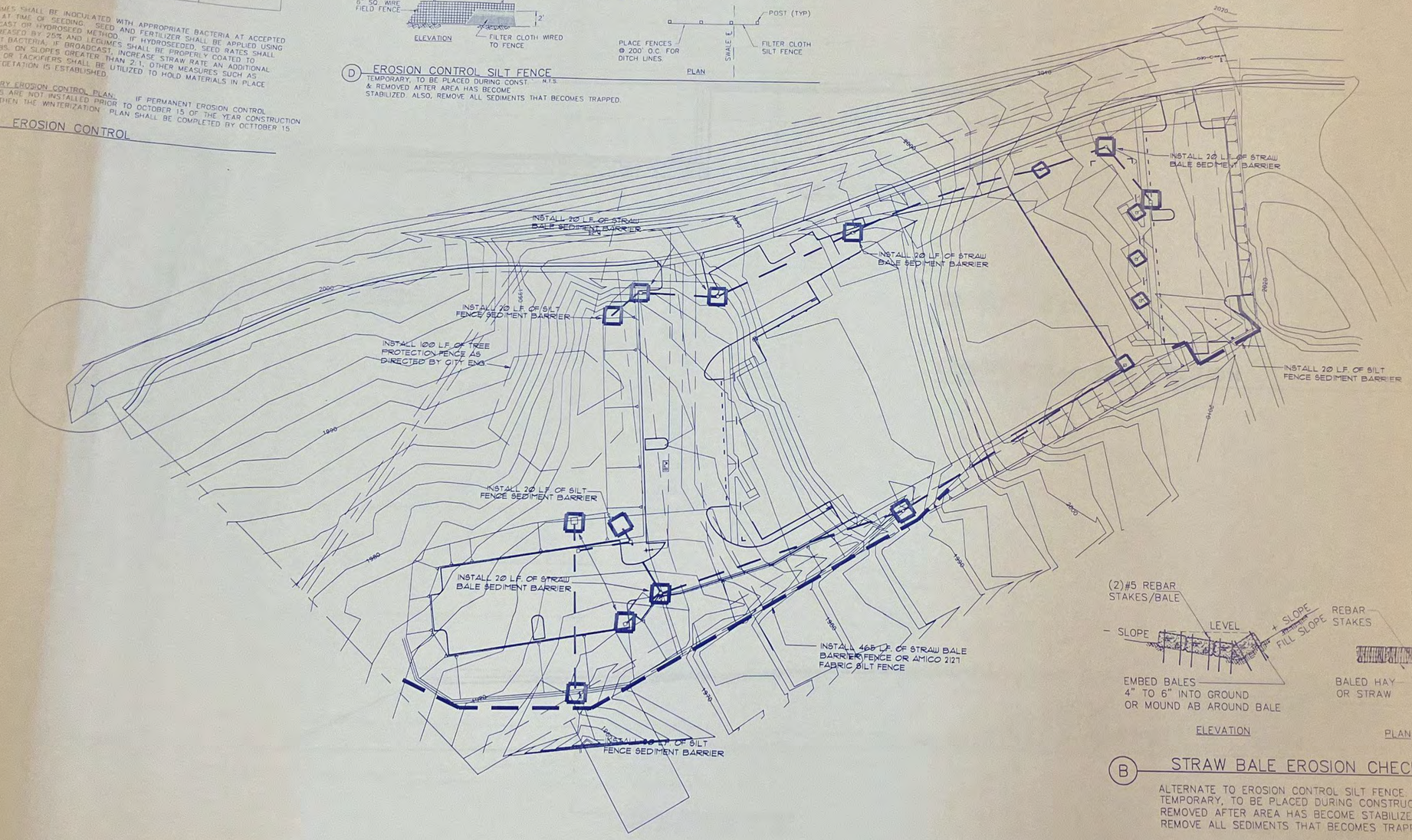
ALONG GRADED AREA APPLICATION



SWALE/FLOWLINE APPLICATION



(D) EROSION CONTROL SILT FENCE
TEMPORARY, TO BE PLACED DURING CONST. & REMOVED AFTER AREA HAS BECOME STABILIZED. ALSO, REMOVE ALL SEDIMENTS THAT BECOMES TRAPPED. N.T.S.



(B) STRAW BALE EROSION CHECK
N.T.S.
ALTERNATE TO EROSION CONTROL SILT FENCE. TEMPORARY, TO BE PLACED DURING CONSTRUCTION & REMOVED AFTER AREA HAS BECOME STABILIZED. ALSO, REMOVE ALL SEDIMENTS THAT BECOMES TRAPPED.

NORTH

EROSION CONTROL PLAN
SCALE: 1" = 40'

NO	REVISION

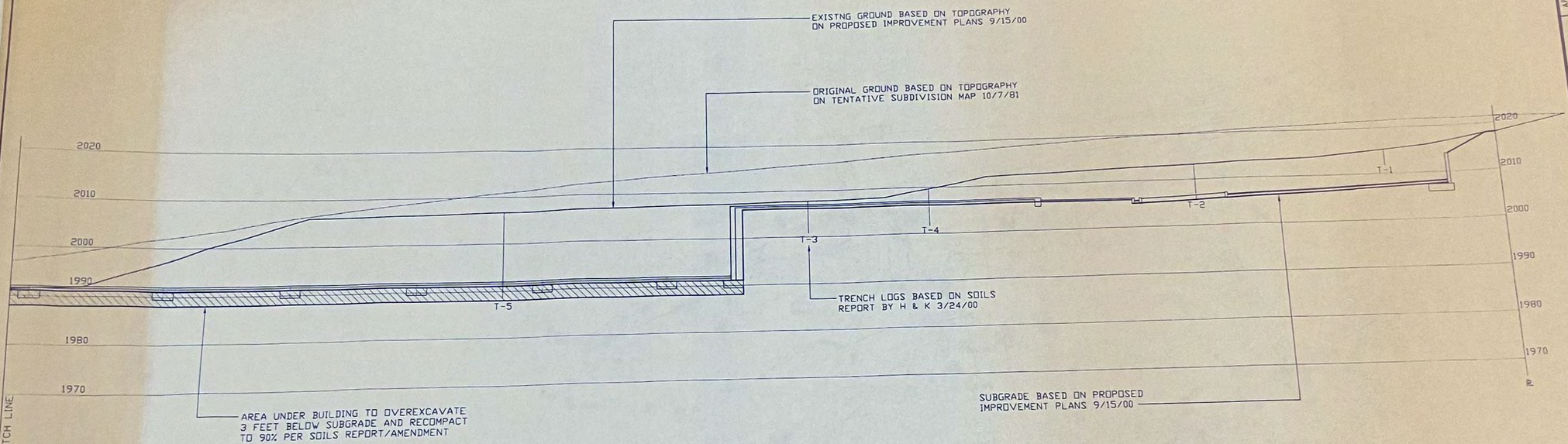
UPDATED 9/13/15
DESCRIPTION

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112 GOLD STREET, AUBURN, CALIF. 95603 (530) 888-7738

GKM / TULLY-WHR
COLFAX INDUSTRIAL PARK
WHITCOMB AVE, COLFAX, CA 95603

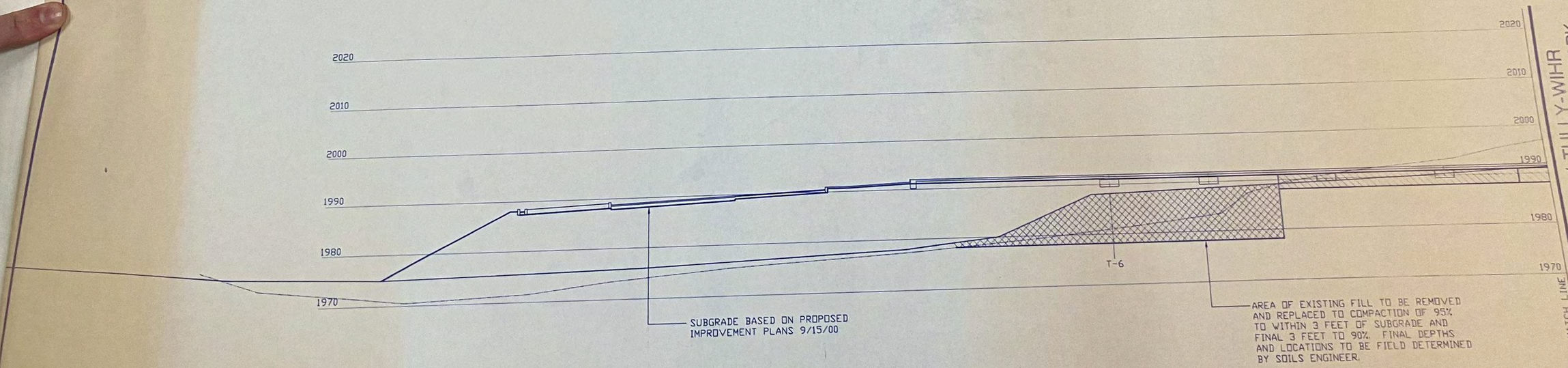
JOB NO.
DRAWN
CHECKED
DATE 9-15-00
SCALE

SHEET 09 OF



LONGITUDINAL SITE SECTION

SCALE: 1" = 10'



LONGITUDINAL SITE SECTION

SCALE: 1" = 10'

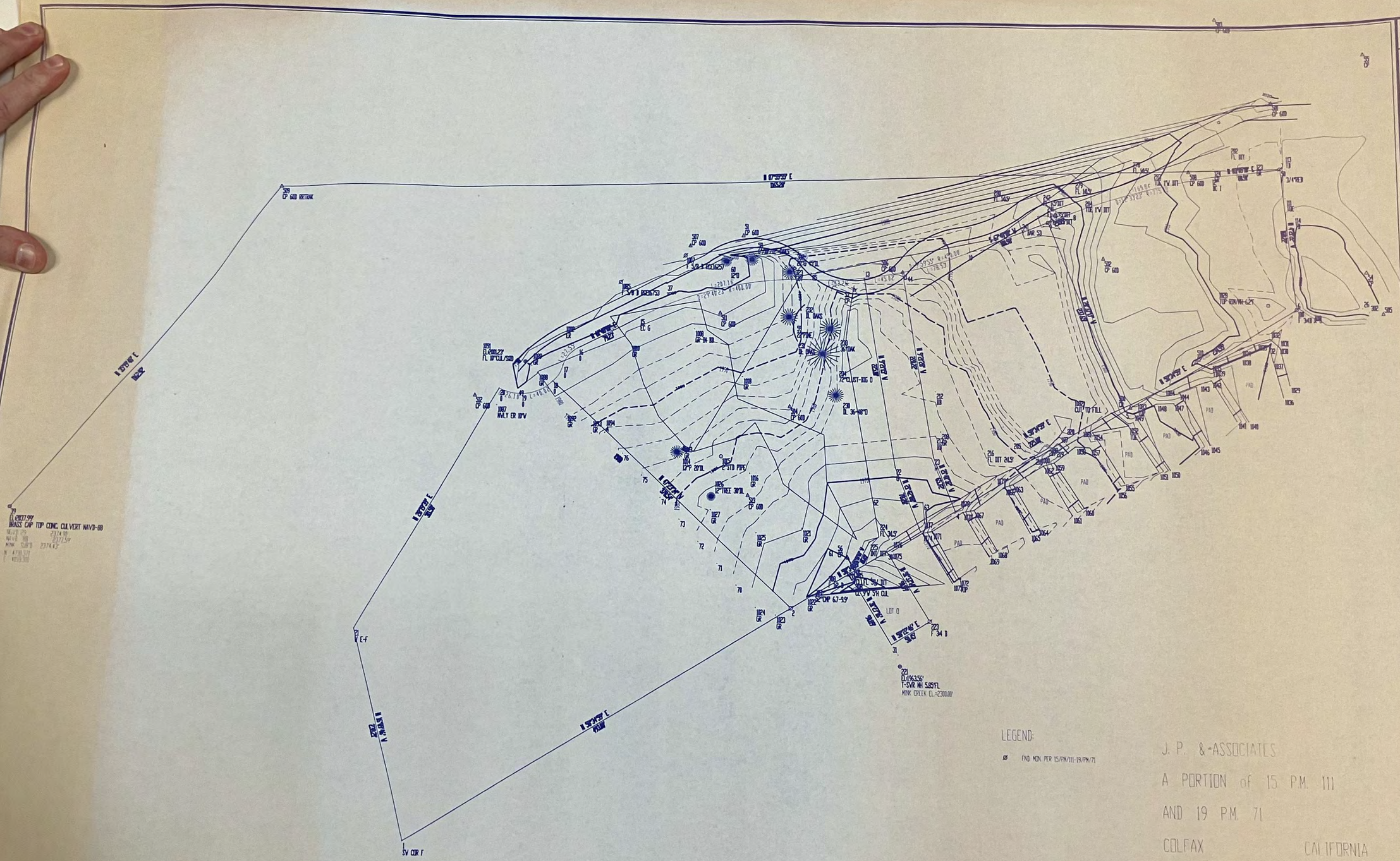
NO.	REVISION	DESCRIPTION	APPROVED BY	DATE

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WHITCOMB AVE, COLFAX, CA 95603

JOB NO.
DRAWN
CHECKED
DATE 9-13-00
SCALE

SHEET
C10
OF



LEGEND:

Ø FND MON. PER 15/PM/111-13/PM/71

J. P. &-ASSOCIATES

A PORTION of 15 P.M. 111

AND 19 P.M. 71

COLFAX CALIFORNIA

TOPOGRAPHIC MAP

SCALE: 1" = 50'-0"

NO	DESCRIPTION	APPROVED BY	DATE
	REVISION		

MINTA ARCHITECTURE
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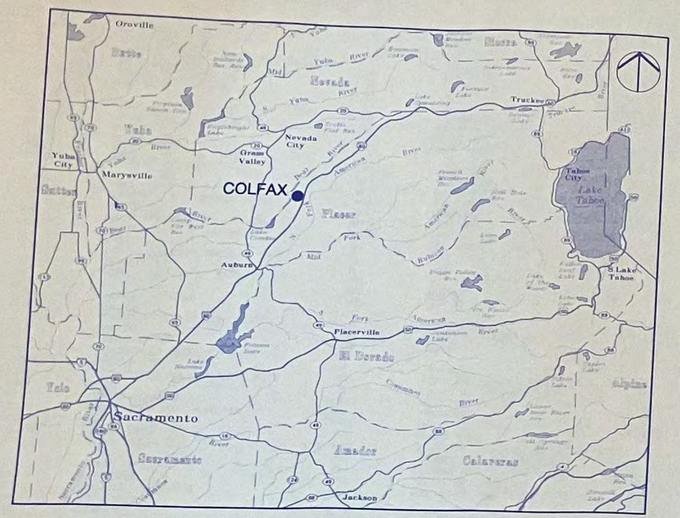
GKM / TULLY-WIHR
COLFAX INDUSTRIAL PARK
WHITCOMB AVE, COLFAX, CA. 95603

JOB NO.
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SCALE

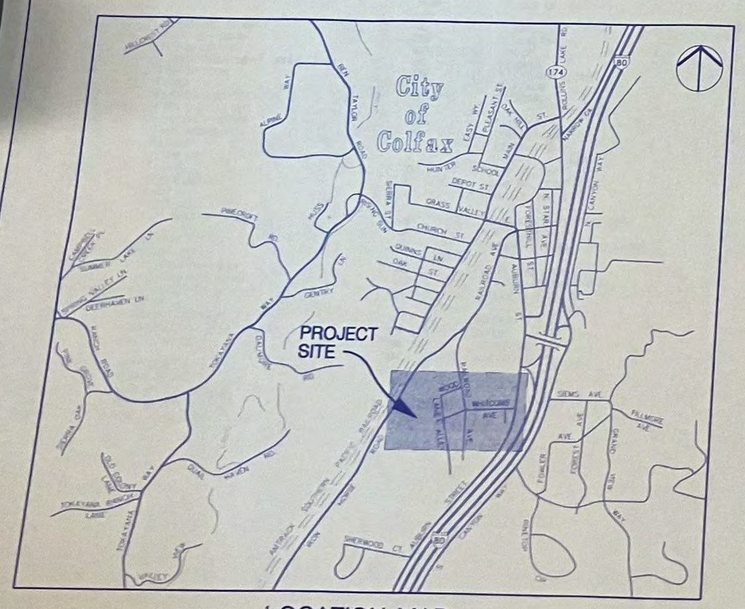
SHEET C11 OF

CITY OF COLFAX

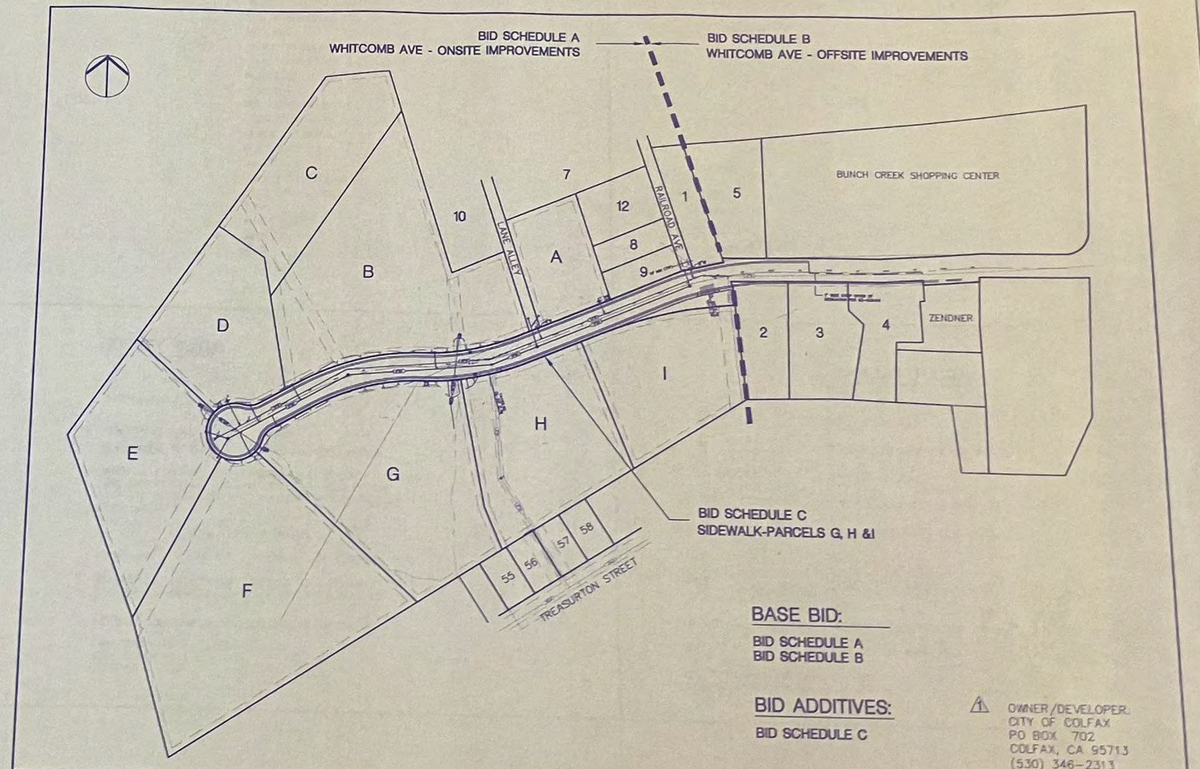
Colfax Industrial Park
Whitcomb Avenue Improvements



VICINITY MAP



LOCATION MAP



BASE BID:

BID SCHEDULE A
BID SCHEDULE B

BID ADDITIVES:

BID SCHEDULE C

⚠ OWNER/DEVELOPER:
CITY OF COLFAX
PO BOX 702
COLFAX, CA 95713
(530) 346-2313

PROJECT SITE

CITY OF COLFAX

THESE PLANS FOR WHITCOMB AVENUE IMPROVEMENTS ARE APPROVED BY THE CITY OF COLFAX FOR USE AS WORKING DRAWINGS.

Jaye L Davis — DATE: 1/31/2002
COLFAX CITY ENGINEER

DRAWING INDEX

C0.1 TITLE SHEET
C0.2 NOTES, LEGEND, ABBREVIATIONS
C0.3 DETAILS (1 OF 2)
C0.4 DETAILS (2 OF 2)
C1.0 WHITCOMB AVENUE-ONSITE
C2.0 WHITCOMB AVENUE-OFFSITE
C3.0 EROSION AND SEDIMENT CONTROL
E1.0 PG&E PLAN

JDWolfe
ENGINEERING CONSULTANTS
11980 Heritage Oak Place, Suite 1
PO Box 7535
Auburn, CA 95604
(530) 823-7300
Fax (530) 823-7310

REVISIONS

NO.	DATE	BY	DESCRIPTION
1	1-4-18	JB	PCWA COMMENTS

CITY OF COLFAX

COLFAX INDUSTRIAL PARK
WHITCOMB AVENUE
IMPROVEMENTS

DRAWING TITLE
TITLE SHEET

SCALE
AS SHOWN

DATE
JANUARY 2002

DRAWING NO.
C0.1

SHEET NO.
SHEET 1 OF 8

ABBREVIATIONS

@	AT
AGG	AGGREGATE
AB	AGGREGATE BASE
ABS	ACRYLONITRILE-BUTADIENE-STYRENE
ACP	ASBESTOS CEMENT PIPE
AC	ASPHALTIC CONCRETE
ARV	AIR RELEASE VALVE
BC	BEGINNING OF CURVE
BFPD	BACKFLOW PREVENTION DEVICE
BLDG	BUILDING
BM	BENCH MARK
BVC	BEGIN VERTICAL CURVE
BW	BACK OF WALK
C&G	CURB AND GUTTER
CAP	CORRUGATED ALUMINUM PIPE
CB	CATCH BASIN
CBC	CALIFORNIA BUILDING CODE
CFS	CUBIC FEET PER SECOND
CIP	CAST IRON PIPE
CIPCP	CAST IN PLACE CONCRETE PIPE
CL	CENTERLINE
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT
COMM	COMMUNICATIONS
CONC	CONCRETE
CONST	CONSTRUCTION OR CONSTRUCT
COR	CORNER
CR	CURB RETURN
CSP	CORRUGATED STEEL PIPE
COORD	COORDINATE
CPP	CORRUGATED POLYETHYLENE PIPE
CRB	CURB
CS	CORPORATION STOP
CU FT	CUBIC FOOT OR CUBIC FEET
CU IN	CUBIC INCH
CU YD	CUBIC YARD
CV	CHECK VALVE
DI	DRAIN INLET
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DW	DRIVEWAY
DWG	DRAWING
E	EXISTING
EA	EACH
EC	END OF CURVE
ELEV	ELEVATION
ELEC	ELECTRIC
ENGR	ENGINEER
EP	EDGE OF PAVEMENT
EVC	END VERTICAL CURVE
FB	FLUSHING BRANCH
FC	FACE OF CURB
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FDN	FOUNDATION
FEN	FENCE
FES	FLARED END SECTION
FF	FINISHED FLOOR
FG	FINISHED GRADE
FH	FIRE HYDRANT
FIG	FIGURE
FL	FLOWLINE
FLR	FLOOR
FM	FORCE MAIN
FT	FOOT
FTG	FOOTING
FW	FIRE WATER
G	GROUND
GB	GRADE BREAK
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GR	GRATE
GS	GROUND SURFACE
GSP	GALVANIZED STEEL PIPE
GV	GATE VALVE
HORIZ	HORIZONTAL
HP	HIGH POINT
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
HPS	HIGH PRESSURE STEAM
ID	INSIDE DIAMETER
IN.	INCH
INV	INVERT
JB	JUNCTION BOX
JP	JOINT POLE
JT	JOINT
LB	POUNDS
LB/CU FT	POUNDS PER CUBIC FOOT
LF	LINEAR FEET
LP	LOW POINT
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MGD	MILLION GALLONS PER DAY
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MJ	MECHANICAL JOINT
N	NEW
NIC	NOT IN CONTRACT
NO	NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OZ	OUNCE
P	PAVEMENT
PCC	PORTLAND CEMENT CONCRETE
PI	POINT OF INTERSECTION
PIV	POST INDICATOR VALVE
PL	PROPERTY LINE
POC	POINT OF CONNECTION
PP	POWER POLE
PRC	POINT OF REVERSE CURVATURE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE PIPE
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
RDW	REDWOOD
REF	REFER OR REFERENCE
REQ	REQUIRED
RSP	RIBBED STEEL PIPE
RST	REINFORCING STEEL
RTN	RETURN
RT	RIGHT
R/W	RIGHT OF WAY
S	SLOPE
SD	STORM DRAIN
SHT	SHEET
SQ	SQUARE
SS	SANITARY SEWER
STA	STATION
SW	SIDEWALK
TAN	TANGENT
TC	TOP OF CURB
TEL	TELEPHONE
T.I.	TRAFFIC INDEX
TP	TOP OF PIPE
TS	TOP OF SLAB
TW	TOP OF WALL
UBC	UNIFORM BUILDING CODE
UG	UNDERGROUND
UL	UNDERWRITERS LABORATORY
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
VG	VALLEY GUTTER
W	WATER
W/	WITH
WM	WATER METER
WV	WATER VALVE

EXISTING TOPO LEGEND

- × AERIAL SURVEY SPOT ELEVATION
- DI GRATE 116.02 / INV 113.32 — DRAIN INLET GRATE AND INVERT ELEVATION
- MH RIM 115.76 / INV 94.04 — MANHOLE RIM AND INVERT ELEVATION
- W — WATER POTABLE
- SD — STORM DRAIN
- SS — SANITARY DRAIN
- COMM — TELEPHONE/COMMUNICATIONS
- FO — FIBER OPTIC
- 12VKUG — 12 KV UNDERGROUND
- ELEC — ELECTRIC DUCT BANK
- OHELEC — OVERHEAD ELECTRIC LINE
- TREE
- FIRE HYDRANT
- BOLLARD
- SEWER MANHOLE
- CHAIN LINK FENCE
- PINE TREE
- POWER POLE
- IRR. CONTROL VALVE
- LIGHT STANDARD
- SEWER CLEANOUT
- ELEC. PULLBOX
- WATER VALVE
- SURVEY CONTROL POINT
- EDGE OF AC PVMT
- BUSH
- WATER METER
- DROP INLET
- POST

CIVIL LEGEND

- DIRECTION OF DRAINAGE FLOW
- DRAINAGE SWALE OR DITCH
- MANHOLE (SS OR SD) — SD
- STORM DRAIN LINE
- STORM DRAIN INLET — SD
- SANITARY DRAIN LINE
- CLEANOUT — 12"W
- ⚠ WATER LINE AND SIZE
- WATER LINE WITH RESTRAINED JOINTS AND LIMITS
- GATE VALVE
- ⚠ FIRE HYDRANT ASSEMBLY (RESTRAINED)
- 2" BLOWOFF
- 8" WATER SERVICE
- 4" SS SERVICE
- STREET LIGHT
- POWER POLE
- FENCE
- TREE
- NEW
- EXISTING

SURVEY NOTES

1. DATE OF AERIAL SURVEY – FEB 5, 2001
   SUPPLEMENTAL FIELD SURVEY – JULY 2001.
2. HORIZONTAL AND VERTICAL CONTROL
   HORIZONTAL CONTROL – NAD 83, NGS PID# KS0341
   VERTICAL CONTROL – NAVD 88, NGS PID# KS0347, BRASS DISC SET VERTICALLY IN THE CONCRETE PIER OF THE HWY 174 BRIDGE OVER THE RAILROAD TRACKS IN COLFAX ELEV. 2421.23'

SITE CONTROL POINTS

NORTHING	EASTING	ELEV.	DESCRIPTION
2161437.23	6858802.54	2362.28	SET REBAR AT BASE
2161768.43	6858075.53	2347.58	SET REBAR FOR HV4

3. VERTICAL ADJUSTMENT TO ADJOINING PROJECTS
   GKM/TULLY-WHR + 339.63
   MINK CREEK HOMES + 3.19
   ZENDNER + 3.35

NOTE TO CONTRACTOR

THE LOCATIONS OF UNDERGROUND UTILITIES SHOWN ON THE DRAWINGS ARE APPROXIMATE ONLY, AND HAVE BEEN LOCATED USING FIELD SURVEY DATA FOR VISIBLE SURFACE FEATURES IN CONJUNCTION WITH EXISTING RECORD DRAWINGS.

EVERY ATTEMPT HAS BEEN MADE TO LOCATE THE UTILITIES AS ACCURATELY AS POSSIBLE FROM THE INFORMATION PROVIDED; HOWEVER, ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENTS, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. OTHER BURIED OBJECTS OR UTILITIES MAY ALSO BE ENCOUNTERED THAT ARE NOT SHOWN ON THESE DRAWINGS.

CONTRACTOR SHALL EXPOSE ALL EXISTING UNDERGROUND FACILITIES THAT ARE TO BE CONNECTED TO, OR THAT ARE IN THE PATH OF, THE PROPOSED IMPROVEMENTS FOR VERIFICATION OF LOCATION AND ELEVATION PRIOR TO BEGINNING CONSTRUCTION. REPAIR OR REPLACEMENT OF DAMAGED UTILITIES OR PIPELINES SHALL BE THE CONTRACTOR'S RESPONSIBILITY.

PUBLIC UTILTIES

SANITARY SEWER	CITY OF COLFAX	(530)346-2313
WATER	PLACER COUNTY WATER AGENCY	(530)823-4886
STORM DRAINS	CITY OF COLFAX	(530)346-2313
FIRE PROTECTION	COLFAX VOLUNTEER FIRE DEPT	(530)346-2313
ELECTRIC	PACIFIC GAS AND ELECTRIC CO.	(530)889-3269
TELEPHONE	VERIZON	(209)239-0336
CABLE	CHARTER COMMUNICATIONS	(916)372-2221

CONTACT ALL UTILITY COMPANIES FOR VERIFICATION AT THE CONSTRUCTION SITE OF THE LOCATIONS OF ALL UNDERGROUND FACILITIES WHERE SUCH FACILITIES MAY POSSIBLY CONFLICT WITH THE PLACEMENT OF THE IMPROVEMENTS SHOWN ON THESE PLANS.

CALL "UNDERGROUND SERVICE ALERT" AT 1-800-227-2600 TWO (2) DAYS MINIMUM TO FOURTEEN (14) DAYS MAXIMUM BEFORE ANY EXCAVATION BEGINS.

WATER FACILITIES

PLACER COUNTY WATER AGENCY INSPECTOR – PHONE (530) 823-4885
PCWA MAP NO. 48-A-05
WATER LINES AND APPURTENANCES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE AGENCY'S LATEST REVISED SPECFICIATIONS. THE CONTRACTOR SHALL CONTACT PLACER COUNTY WATER AGENCY INSPECTOR 48 HOURS PRIOR TO COMMENCEMENT OF INITIAL WATER LINE CONSTRUCTION, AND BY 7:30 A.M. EACH DAY WORK ON WATER INSTALLATION OCCURS. THESE PLANS ARE APPROVED BY THE AGENCY FOR USE FOR WATERLINE IMPROVEMENTS ONLY. CONFLICTS WITH OTHER IMPROVEMENTS SHALL BE THE RESPONSIBILITY OF OTHERS.

WATER FACILITIES APPROVED BY:

_____ DATE: _____
PLACER COUNTY WATER AGENCY

⚠ FIRE HYDRANT LOCATIONS APPROVED BY:

_____ DATE: _____
COLFAX FIRE DEPARTMENT

JDWolfe ENGINEERING CONSULTANTS
11980 Pleasant Valley Road, Suite F
PO Box 04, Penryn, CA 95663
Phone (530) 823-7330
Fax (530) 823-7336

REVISIONS

NO	DATE	BY	DESCRIPTION
1	4/1/02	JB	PCWA COMMENTS

CITY OF COLFAX

COLFAX INDUSTRIAL PARK
WHITCOMB AVENUE
IMPROVEMENTS
Colfax, CA

DRAWING TITLE
NOTES
LEGEND
ABBREVIATIONS

SCALE: AS SHOWN
DATE: JANUARY 2002
DRAWING NO: C0.2
SHEET NO: SHEET 2 OF

APPROVED: _____ DIRECTOR OF PUBLIC WORKS

COUNTY OF PLACER
DEPARTMENT OF PUBLIC WORKS
TRENCH EXCAVATION AND BACKFILL
DATE: 10-29-96 | NTS | PLATE 41-2

NOTES:

1. MINIMUM COVERAGE * FROM TOP OF PIPE TO FINISH GRADE SHALL BE AS FOLLOWS:

SEWER	36 IN.
WATER	30 IN.
CULVERTS	18 IN.
STORM DRAINS	18 IN.
OTHER UTILITIES	30 IN.

* OR AS OTHERWISE APPROVED

2. IN WET OR ROCKY MATERIAL THE DEPTH OF TRENCH BEDDING SHALL BE INCREASED TO THE LARGER OF EITHER 6 IN. OR 1/4 DIA.
3. FOR CULVERTS/STORM DRAINS THE MINIMUM DISTANCE BETWEEN THE SIDE OF THE TRENCH AND THE SIDE OF THE PIPE SHALL BE 12 IN.
4. COMPACTION AROUND ALL CORRUGATED METAL AND HIGH DENSITY POLYETHYLENE CULVERTS/STORM DRAINS AND ALL CULVERTS/STORM DRAINS INSTALLED WITHIN FILL SHALL BE 95% RELATIVE COMPACTION UP TO A MINIMUM OF 12 IN. ABOVE THE TOP OF PIPE.
5. IN AREAS WITH MINIMUM COVER, INTERMEDIATE BACKFILL SHALL BE CLASS 2 AGGREGATE BASE.
6. IN AREAS OF NATURAL VEGETATION OR LANDSCAPING, REMOVE TOP 12 IN. OF MATERIAL, STOCKPILE & REPLACE IN A MOUND PER PLATE 32, TYPE 4 AND PLATE 33, TYPE D.
7. ALL LANDSCAPING CONDUITS WITHIN THE ROADWAY PRISM AND/OR TRAFFIC AREAS MUST HAVE MINIMUM OF 30 INCHES COVER. MINIMUM COVER WITHIN COUNTY R/W BUT OUTSIDE THE ROADWAY AND TRAFFIC AREAS SHALL BE AS FOLLOWS:

LOW VOLTAGE ELECTRICAL CONDUITS	24 IN. MIN.
PRESSURIZED WATERLINES	24 IN. MIN.
NONPRESSURIZED (DISCHARGED) LATERALS	12 IN. MIN.

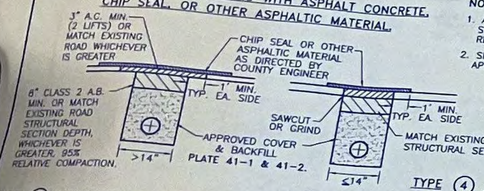
8. COMPACTION TESTING WITHIN THE PIPE ZONE (BOTTOM OF TRENCH TO 12 IN. ABOVE CONDUIT(S)) SHALL BE PERFORMED BY TESTING LAB AS APPROVED BY THE COUNTY OR DONE BY THE COUNTY AND REIMBURSED BY THE APPLICABLE DEVELOPER OR UTILITY COMPANY.

APPROVED: _____ DIRECTOR OF PUBLIC WORKS

COUNTY OF PLACER
DEPARTMENT OF PUBLIC WORKS
TRANSVERSE TRENCH RESURFACING SECTIONS
DATE: 10-29-96 | NTS | PLATE 32

TYPE (1) –NEWLY PAVED SURFACES LESS THAN 5 YEARS OLD – MAJOR THOROUGHFARES
WITH HIGH QUALITY RIDING SURFACES
BORING OR JACKING ONLY
NO PAVEMENT CUTTING PERMITTED.

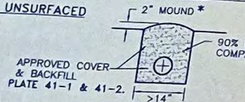
TYPE (2) –ANY ROAD SURFACED WITH ASPHALT CONCRETE, CHIP SEAL, OR OTHER ASPHALTIC MATERIAL.



TYPE (3) –UNSURFACED ROAD, SHOULDER, OR OTHER UNSURFACED AREAS SUBJECT TO TRAFFIC LOADS.

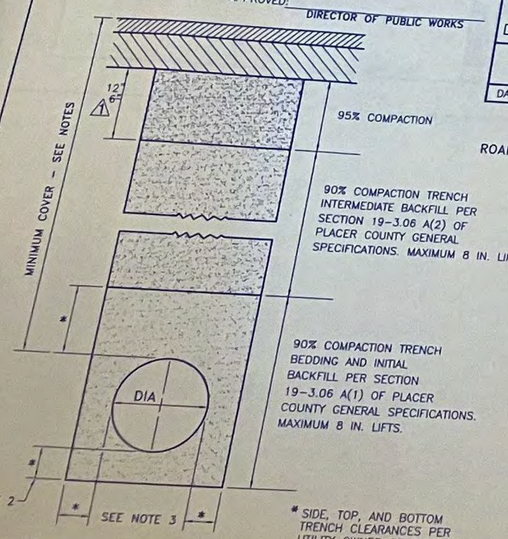


TYPE (4) –OUTSIDE OF ROADWAY PRISM NOT SUBJECT TO TRAFFIC.



APPROVED: _____ DIRECTOR OF PUBLIC WORKS

COUNTY OF PLACER
DEPARTMENT OF PUBLIC WORKS
TRENCH EXCAVATION AND BACKFILL
DATE: 10-29-96 | NTS | PLATE 41-1

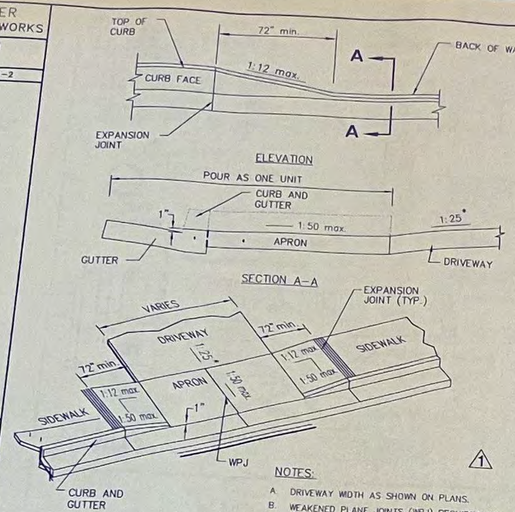


ROAD RESTORATION REQUIREMENTS:
PER PLATES 32 & 33 OR AS SHOWN ON APPROVED PLANS.

90% COMPACTION TRENCH INTERMEDIATE BACKFILL PER SECTION 19-3.06 A(2) OF PLACER COUNTY GENERAL SPECIFICATIONS. MAXIMUM 8 IN. LIFTS.

NOTES:
SEE PLATE 41-2.

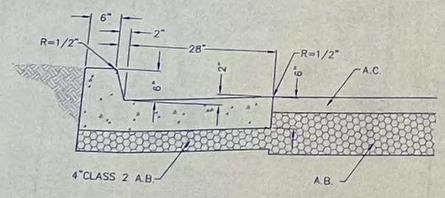
90% COMPACTION TRENCH BEDDING AND INITIAL BACKFILL PER SECTION 19-3.06 A(1) OF PLACER COUNTY GENERAL SPECIFICATIONS. MAXIMUM 8 IN. LIFTS.



NOTES:
A. DRIVEWAY WIDTH AS SHOWN ON PLANS.
B. WEAKENED PLANE JOINTS (WPJ) REQUIRED ON CENTERLINE FOR DRIVEWAYS 10' TO 20' WIDE. DRIVEWAYS 22' TO 35' WIDE SHALL HAVE TWO WPJ EVENLY SPACED AT 1/3 AND 2/3 POINTS.
C. ALL CONSTRUCTION AND MATERIALS IN CONFORMANCE WITH SEC. 24 OF STANDARD SPECIFICATIONS.
D. THICKNESS OF APRONS SHALL BE 6" ON RESIDENTIAL DRIVEWAYS AND 6" ON COMMERCIAL DRIVEWAYS. ON COMMERCIAL DRIVEWAYS SIDEWALK SHALL BE REMOVED AND REPLACED WITH 6" OF CONCRETE.

TYPICAL DRIVEWAY DETAIL
NOT TO SCALE

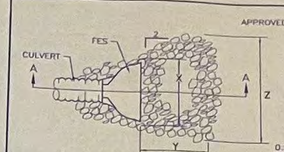
NOTE: ALL PLACER COUNTY AND PCWA STANDARD DETAILS ARE INCLUDED IN THIS CONTRACT BY REFERENCE, AS APPLICABLE. SOME ARE PROVIDED HERE FOR CONVENIENCE.



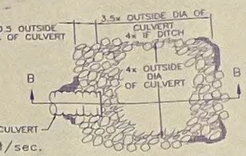
TYPE 1 VERTICAL CURB & GUTTER
NOT TO SCALE

APPROVED: _____ DIRECTOR OF PUBLIC WORKS

COUNTY OF PLACER
DEPARTMENT OF PUBLIC WORKS
ROCK INLET/OUTLET PROTECTION 48" OR SMALLER
DATE: 10-29-96 | NTS | PLATE 52



DO NOT USE THIS DETAIL
IF THE PIPE VELOCITY IS LESS THAN 6ft/sec.
THIS DETAIL IS FOR EROSION CONTROL ONLY.



INLET PROTECTION MINIMUM DIMENSIONS

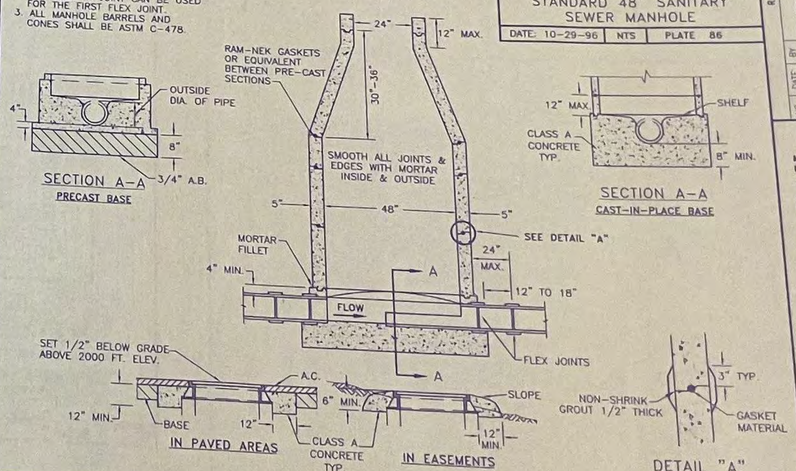
ROCK CLASS	PIPE Ø IN.	X FEET	Y FEET	Z FEET
NO. 1 BACKING	12	3	4	5
NO. 1 BACKING	18	4.5	6	7.5
NO. 1 BACKING	24	6	8	10
NO. 1 BACKING	30	7.5	10	12.5
NO. 1 BACKING	36	9	12	15
NO. 1 BACKING	42	10.5	14	17.5
NO. 1 BACKING	48	12	16	20

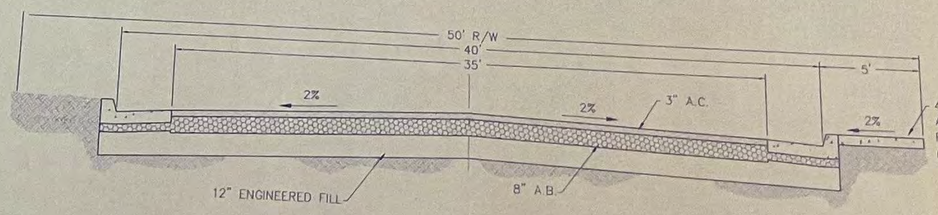
NOTES:
1. HAND PLACE ROCKS.
2. ALL ROCKS SHALL BE ANGULAR AND HAVE TWO FACES.
3. WHERE SLOPES OF OUTLETS EXCEEDS 5%, A SEDIMENT BOWL OR ENERGY DISSIPATER SHALL BE REQUIRED.
4. FLARED END SECTION AND ROCK SLOPE PROTECTION SHALL BE SLOPED AT A MIN. OF 1% INTO OR OUT OF CULVERT.
5. ALL CULVERTS OF 48 IN. OR LESS SHALL BE INSTALLED WITH FLARED END SECTIONS (FES). REINFORCED CONCRETE HEADWALLS AND END WALLS WITH CUTOFF WALLS SHALL BE CONSTRUCTED FOR ALL PIPES LARGER THAN 48 IN. UNLESS OTHERWISE APPROVED BY THE ENGINEER.
6. ON OUTLET APPLICATIONS, 50% OF THE ROCKS SHALL BE LARGER THAN HALF THE DIAMETER OF THE PIPE.

NOTES:
1. TWO FLEX JOINTS REQUIRED FOR VCP. ONLY ONE FLEX JOINT REQUIRED FOR PVC & DIP.
2. ON PRE-CAST MANHOLE BASES, THE BUILT IN JOINT CAN BE USED FOR THE FIRST FLEX JOINT.
3. ALL MANHOLE BARRELS AND CONES SHALL BE ASTM C-478.

APPROVED: _____ DIRECTOR OF FACILITY SERVICES

COUNTY OF PLACER
DEPARTMENT OF FACILITY SERVICES
STANDARD 48" SANITARY SEWER MANHOLE
DATE: 10-29-96 | NTS | PLATE 86





TYPICAL STREET SECTION - 50' R/W
NOT TO SCALE

JDWolfe
ENGINEERING CONSULTANTS
11960 Heritage Oak Place, Suite 1
PO Box 7538
Auburn, CA 95604
Tel: (530) 823-2300
Fax: (530) 823-2980

REVISIONS

NO.	DATE	BY	DESCRIPTION
1	3/14/02	JD	ADDENDUM NO. 3

CITY OF COLFAX

COLFAX INDUSTRIAL PARK
WHITCOMB AVENUE
IMPROVEMENTS
Colfax, CA

DRAWING TITLE
DETAILS
(1 OF 2)

SCALE
AS SHOWN

DATE
JANUARY 2002

DRAWING NO.
C0.3

SHEET NO.
SHEET 3 OF 8

NOTE:
SEE SECTION 71 - 1.07 OF THE GENERAL SPECIFICATIONS.

APPROVED:
DIRECTOR OF FACILITY SERVICES

SECTION A-A

SECTION A-A
MANHOLE WITH INTERSECTING SEWERS

ISOMETRIC DRAWING
SHOWING CHANNELIZATION

PIPE MAY STOP AT INSIDE FACE OF MANHOLE, OR BE CONTINUOUS THROUGH MANHOLE IF PIPE LAID CONTINUOUS. TOP HALF SHALL BE BROKEN AWAY AFTER BASE IS POURED.

COUNTY OF PLACER
DEPARTMENT OF FACILITY SERVICES
STANDARD SANITARY SEWER MANHOLE CHANNELIZATION DETAIL
DATE: 10-29-96 | NTS | PLATE 87

SECTION B-B

NOTES:
1. IN ROCK CONDITION EXCAVATE TRENCH 3 FT. BEYOND END OF PIPE. BACKFILL WITH NATIVE MATERIAL WITH ALL ROCKS OVER 3 IN. REMOVED (SEE SHADED AREA).
2. EXTEND SEWER SERVICE PAST MULTI-PURPOSE UTILITY TRENCH IF UNDERGROUND UTILITY TRENCH IS PRESENT OR PROPOSED.
3. STATE DEPARTMENT OF HEALTH SERVICES CRITERIA FOR SEPARATION OF WATER MAINS AND SANITARY SEWERS SHALL APPLY.

APPROVED:
DIRECTOR OF FACILITY SERVICES

CONNECTION TO SHALLOW SEWER

EASEMENT CONNECTIONS

CONNECTION TO DEEP SEWER

PREFERRED DESIGN

HOUSE SERVICE CONNECTIONS

* WHEN USING PVC:
10' OF 6" C-900, OR STEEL OR DIP SLEEVE.
WHEN USING VCP:
4" DIP CONNECTED TO 4" VCP.

COUNTY OF PLACER
DEPARTMENT OF FACILITY SERVICES
STANDARD SEWER SERVICE CONNECTIONS
DATE: 10-29-96 | NTS | PLATE 92

DUCT BANK DETAIL
N.T.S.

ROAD SECTION SHALL CONFORM TO ROAD CONTROLLING ENTITY'S SPECIFICATIONS

SAW CUT EXISTING PAVEMENT PRIOR TO FINAL REPAIR OR PER ROAD CONTROLLING SPECIFICATIONS

NOTE: SEE SECTION T OF STANDARD SPECIFICATIONS.

W.S. & D ARE DEFINED IN SECTION T.3.

#10 T.H.H.N. A.W.G. INSULATED COPPER WIRE. SEE STD. DWG. NO. SA013

3/4" MINUS CRUSHED ROCK WRAPPED WITH FILTER FABRIC WITH 18" OVERLAP WHEN FOUNDATION IS REQ'D

BEDDING, HAUNCHING & BACKFILL
WELL GRADED SAND OR NATIVE WITH 100% PASSING A #4 SIEVE; HAVING S.E. 30, FREE OF VEGETATIVE MATTER. 90% COMPACTION TO ROAD SUBGRADE.

PLACER COUNTY WATER AGENCY
PIPE TRENCH BEDDING AND BACKFILLING
DCC | 2/1/90 | NONE | SA010 | 1

© 1999 P.C.W.A.

NOTE: SEE SECTION T OF STANDARD SPECIFICATIONS.

ELEVATION

PLACER COUNTY WATER AGENCY
FIRE HYDRANT ASSEMBLY (DRY BARREL)
DCC | 2/1/90 | NONE | SA016 | 0

© 1999 P.C.W.A.

JDWolfe
ENGINEERING CONSULTANTS
11960 Heritage Oak Place, Suite 1
PO Box 7838
Auburn, CA 95604
Tel: (530) 823-7300
Fax: (530) 823-7290

REVISIONS

NO	DATE	BY	DESCRIPTION
1	02/02	JS	ADDENDUM NO. 3

CITY OF COLFAX

COLFAX INDUSTRIAL PARK
WHITCOMB AVENUE
IMPROVEMENTS
Colfax, CA

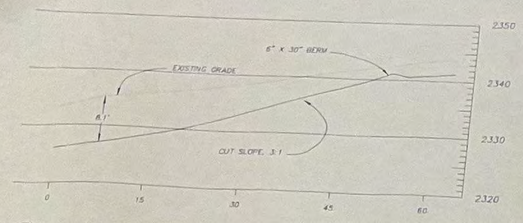
DRAWING TITLE
DETAILS
(2 OF 2)

SCALE
AS SHOWN

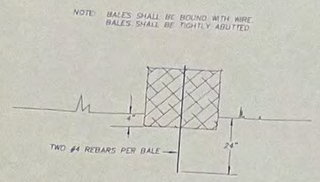
DATE
JANUARY 2002

DRAWING NO.
C0.4

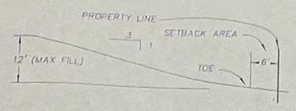
SHEET NO.
SHEET 4 OF 8



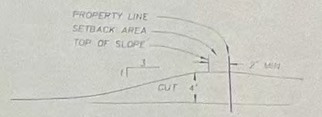
A SLOPE PROFILE AT GREATEST CUT
SCALE 1" = 10'



B STRAW BALE EMBEDMENT DETAIL
NOT TO SCALE



C SETBACK AT TOE OF SLOPE
NOT TO SCALE



D SETBACK AT TOP OF SLOPE
NOT TO SCALE

RECEIVED
[illegible] 1990
CDLAX
BUILDING DEPARTMENT



GENERAL NOTES

1. INFORMATION SHOWN HEREON IS BASED ON MONUMENTS FOUND AS ESTABLISHED IN BOOK 19 OF PARCEL MAPS AT PAGE 71 ORPC. CORNERS SHOWN WITH A ● SYMBOL WILL BE MARKED IN THE FIELD (AT OWNER'S EXPENSE) WITH A FOUR FOOT LATH AND FLAGGED PRIOR TO COMMENCEMENT OF WORK.

2. GRADING ON THIS PROJECT SHALL CONFORM TO CHAPTER 70 OF THE 1988 UNIFORM BUILDING CODE.

3. GRADING WORK IN THIS PROJECT IS NOT TO EXCEED 3:1 (HORIZONTAL TO VERTICAL).

4. CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT, (USA), 800-642-2444, 48 HOURS PRIOR TO CONSTRUCTION.

5. ALL FILLS SHALL BE CONSTRUCTED TO 90% RELATIVE COMPACTION EXCEPTING THE UPPER 6" SHALL BE CONSTRUCTED TO 95% RELATIVE COMPACTION. ALL EXCAVATION AREAS SHALL BE SCARIFIED TO 6" BELOW FINISHED SUBGRADE AND RECOMPACTED TO 95% RELATIVE COMPACTION.

6. TEMPORARY EROSION CONTROL SHALL BE INSTALLED BEFORE OCTOBER 15, 1990, IF CONSTRUCTION IS IN PROGRESS, OR IF AREA THAT HAS BEEN GRADED HAS NOT YET BEEN SURFACE STABILIZED IN CONFORMANCE WITH ITEM 7 BELOW. EROSION CONTROL SHALL BE MAINTAINED THROUGH MAY 1, 1991 ~~1990~~ IF NECESSARY.

7. ALL CUT AND FILL SLOPES AND PADS SHALL BE SEEDED AND FERTILIZED USING THE FOLLOWING.

   ANNUAL RYEGRASS, 30 POUNDS PER ACRE
   AMMONIUM PHOSPHATE FERTILIZER (16-20-0) 400 POUNDS PER ACRE.

8. DRIVEWAYS WITHIN LEGAL EASEMENTS THAT ARE REGRADED OR RELOCATED SHALL BE RE-SURFACED WITH ROAD BASE TO RESTORE PREVIOUS CONDITIONS.

9. BLDG. DEPT. SHALL BE NOTIFIED AT LEAST ONE WORKING DAY PRIOR TO BEGINING OF WORK, AND AFTER NOTE #7 HAS BEEN COMPLETED. PLEASE CHECK KELLY INSP.'S SCHEDULE

10. WESTERN PLANNING & ENGINEERING TO CONTACT GLEN TEAT RE: REQUIRES 3H USC SEC 7014.15 PRIOR TO START OF ANY WORK.

11. SEE CONDITIONS ON PERMIT FORM.

APPLICANT

RICHARD W. GRINNELL
GENERAL CONTRACTOR
STATE LIC. 328513
987 PINE HILL DR.
COLFAX, CA 95713
916-637-4822

OWNER

GENERAL SECURITY CORP.
P.O. BOX 12
CARLSBAD, CA 92008

LEGAL

PARCEL H, 19 PM 71 ORPC, 100-230-15
PARCEL I, 19 PM 71 ORPC, 100-230-16
PARCEL K, 19 PM 71 ORPC, 100-230-17

ZONING: LIGHT INDUSTRIAL

APPROVED
OFFICE COPY
BUILDING DEPARTMENT
CITY OF COLFAX
APPROVED [signature] 11/14/90
This approval is conditional only and shall not relieve the owner or contractor of full compliance with all city codes.

PERMIT # 122-90 DATE: 11/6/90
LOCATION: Whitcomb Ave
PARCEL NUMBER: 100-230-15/16/17
SIGNATURE: [signature]

Notice: All conditions and/or corrections shall be as set forth by the City of Colfax; and the offerors and/or officials, shall be considered by purchaser; and shall be found by her by completion of work all conditions and/or laws, statutes, ordinances and/or prohibitions which the City of Colfax and its agents (including but not limited to the building official) have authorized by waiver before occupancy or a certificate of occupancy will be issued.

[signature]
Signature

Date

DATE
SEPT. 12, 1990

DRAWN
RWG

REVISED
SEPT. 28, 1990

APPROVED

JOB

CONSULTING ENGINEER

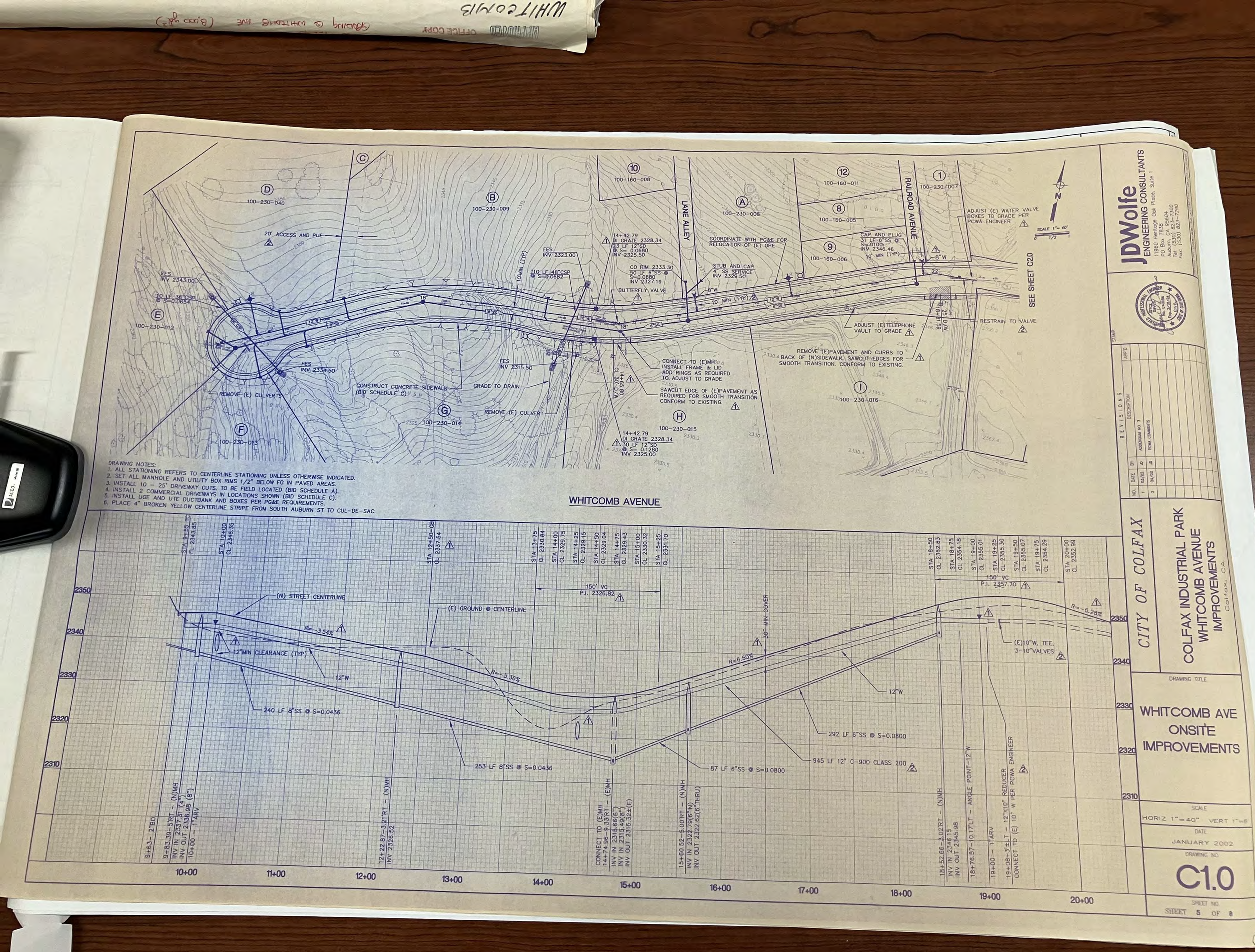
[signature]
REGISTERED PROFESSIONAL ENGINEER
MICHAEL E. FLEMING
No. 36436
Expires 6/30/92
CIVIL
STATE OF CALIFORNIA
10-1-90

Equipment Storage Yard

Whitcomb Avenue, Colfax, California

Richard W. Grinnell
987 Pine Hill Drive
Colfax, CA 95713

C
1
1 OF 4



DRAWING NOTES:
1. ALL STATIONING REFERS TO CENTERLINE STATIONING UNLESS OTHERWISE INDICATED.
2. SET ALL MANHOLE AND UTILITY BOX RIMS 1/2" BELOW FG IN PAVED AREAS.
3. INSTALL 10 – 25' DRIVEWAY CUTS, TO BE FIELD LOCATED (BID SCHEDULE A).
4. INSTALL 2 COMMERCIAL DRIVEWAYS IN LOCATIONS SHOWN (BID SCHEDULE C).
5. INSTALL UGE AND UTE DUCTBANK AND BOXES PER PG&E REQUIREMENTS.
6. PLACE 4" BROKEN YELLOW CENTERLINE STRIPE FROM SOUTH AUBURN ST TO CUL-DE-SAC.

JDWolfe
ENGINEERING CONSULTANTS
11960 Heritage Oak Place, Suite 1
PO Box 7838
Auburn, CA 95604
Phone (530) 823-7500
Fax (530) 823-7290

REVISIONS

NO.	DATE	BY	DESCRIPTION
1	03/02	JD	ADDENDUM NO. 3
2	04/02	JD	PCWA COMMENTS

APP'D

STAMP

CITY OF COLFAX

COLFAX INDUSTRIAL PARK
WHITCOMB AVENUE
IMPROVEMENTS
Colfax, CA

DRAWING TITLE

WHITCOMB AVE
ONSITE
IMPROVEMENTS

SCALE
HORIZ 1"=40" VERT 1"=8'

DATE
JANUARY 2002

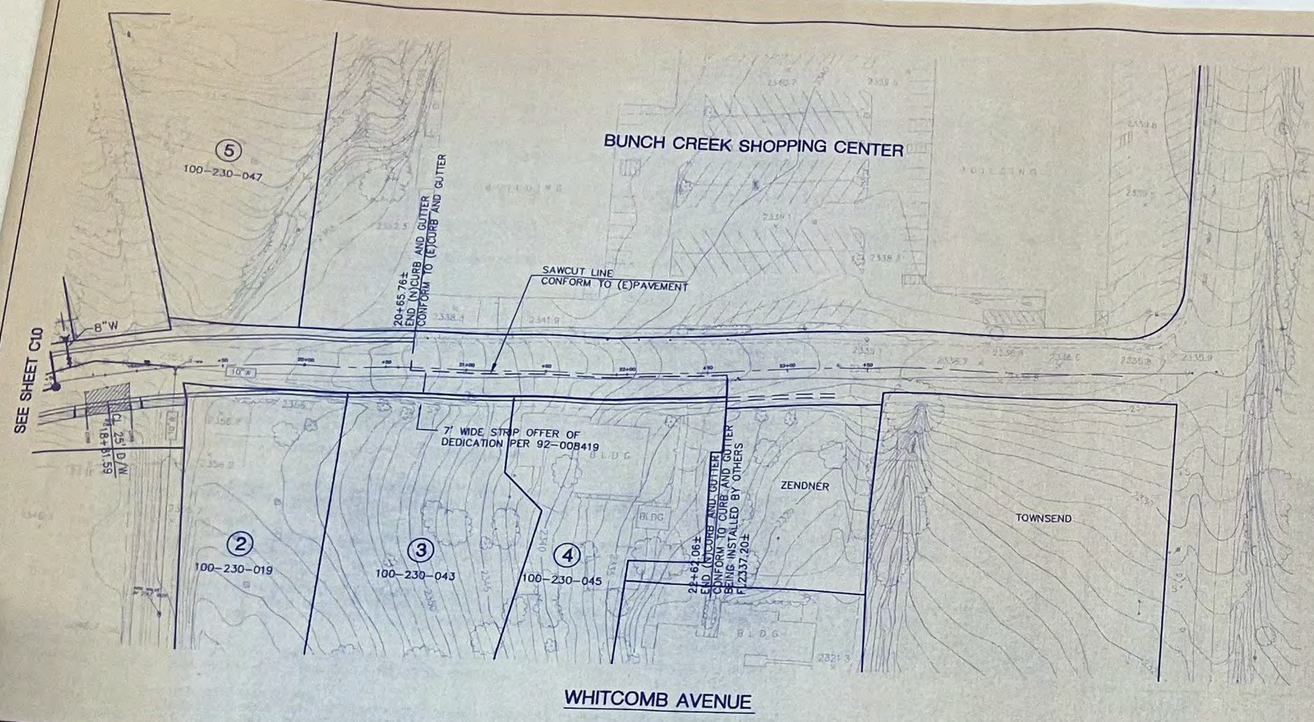
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C1.0

SHEET NO.
SHEET 5 OF 8

APPROVED OFFICE COPY

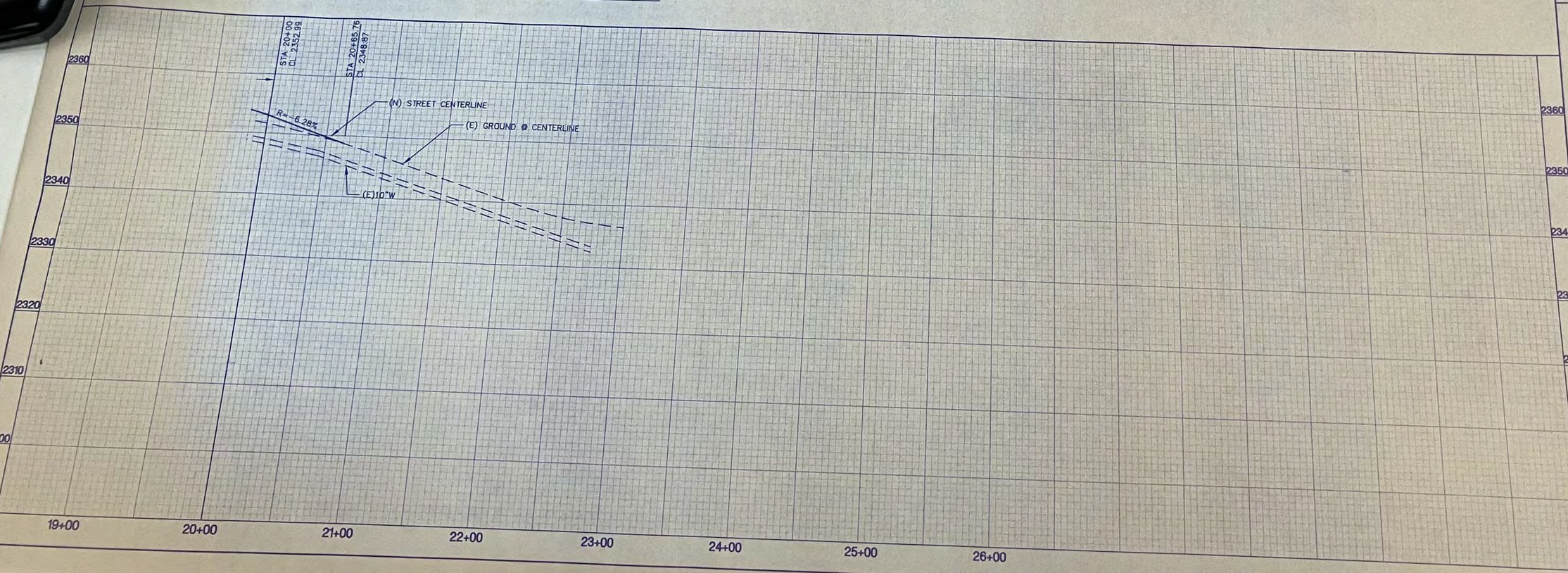
WHITCOMB

Grading @ whitcomb ave (Bldg pad)





DRAWING NOTES:
1. ALL STATIONING REFERS TO CENTERLINE STATIONING UNLESS OTHERWISE INDICATED.
2. SET ALL MANHOLE AND UTILITY BOX RIMS 1/2" BELOW FG IN PAVED AREAS.
3. INSTALL 5 – 25' DRIVEWAY CUTS, TO BE FIELD LOCATED (BID SCHEDULE B).
4. INSTALL UGE AND UTE DUCTBANK AND BOXES PER PG&E REQUIREMENTS.
5. PLACE 4" BROKEN YELLOW CENTERLINE STRIPE FROM SOUTH AUBURN ST TO CUL-DE-SAC.



JDWolfe
ENGINEERING CONSULTANTS
11960 Heritage Oak Place, Suite 1
PO Box 758
Auburn, CA 95604
Tel: (530) 823-7300
Fax: (530) 823-7290

REVISIONS

NO.	DATE	BY	DESCRIPTION	APP'D

CITY OF COLFAX

COLFAX INDUSTRIAL PARK
WHITCOMB AVENUE
IMPROVEMENTS
Colfax, CA

DRAWING TITLE
WHITCOMB AVE
OFFSITE
IMPROVEMENTS

SCALE
HORIZ: 1"=40' VERT: 1"=8'

DATE
JANUARY 2002

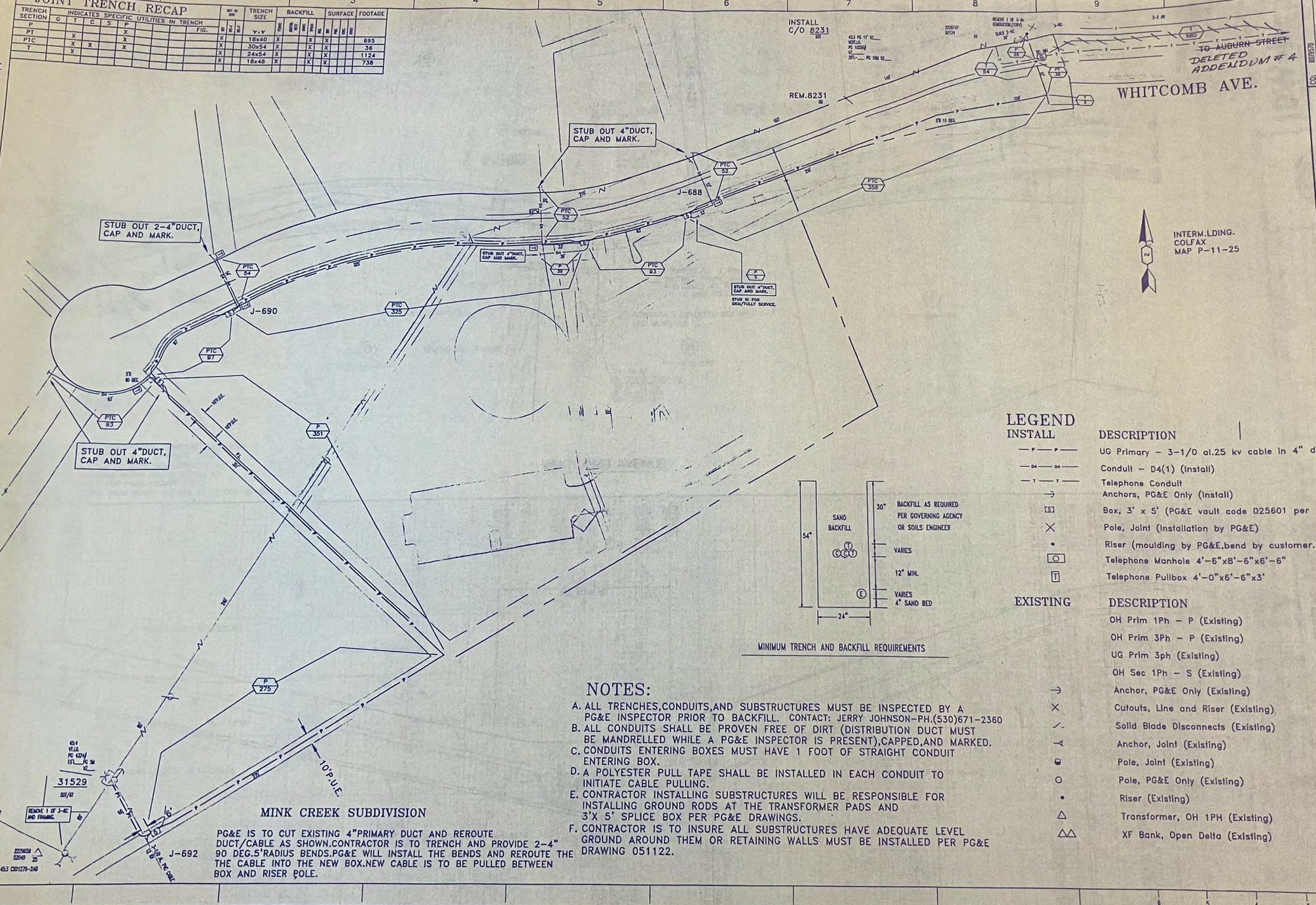
DRAWING NO.
C2.0

SHEET NO.
SHEET 6 OF 8

ATTACHED OFFICE COPY
Grading @ Whitcomb Ave (Blue ph)
WHITCOMB

JOINT TRENCH RECAP

TRENCH SECTION	INDICATES SPECIFIC UTILITIES IN TRENCH G	T	C	S	P	FIG.	TRENCH SIZE W x D	BACKFILL	SURFACE	FOOTAGE
P					X					
PT		X			X		18x40	X	X	
PTC		X			X		30x54	X	X	695
T	X	X			X		24x54	X	X	36
		X					18x48	X	X	1124
										738



MINIMUM TRENCH AND BACKFILL REQUIREMENTS

LEGEND

INSTALL	DESCRIPTION
—P—P—	UG Primary – 3-1/0 al.25 kv cable in 4" duct.
—D4—D4—	Conduit – D4(1) (Install)
—T—T—	Telephone Conduit
	Anchors, PG&E Only (Install)
	Box, 3' x 5' (PG&E vault code 025601 per
	Pole, Joint (Installation by PG&E)
	Riser (moulding by PG&E,bend by customer.)
	Telephone Manhole 4'–6"x8'–6"x6'–6"
	Telephone Pullbox 4'–0"x6'–6"x3'

EXISTING	DESCRIPTION
	OH Prim 1Ph – P (Existing)
	OH Prim 3Ph – P (Existing)
	UG Prim 3ph (Existing)
	OH Sec 1Ph – S (Existing)
	Anchor, PG&E Only (Existing)
	Cutouts, Line and Riser (Existing)
	Solid Blade Disconnects (Existing)
	Anchor, Joint (Existing)
	Pole, Joint (Existing)
	Pole, PG&E Only (Existing)
	Riser (Existing)
	Transformer, OH 1PH (Existing)
	XF Bank, Open Delta (Existing)

NOTES:

A. ALL TRENCHES,CONDUITS,AND SUBSTRUCTURES MUST BE INSPECTED BY A PG&E INSPECTOR PRIOR TO BACKFILL. CONTACT: JERRY JOHNSON–PH.(530)671–2360
B. ALL CONDUITS SHALL BE PROVEN FREE OF DIRT (DISTRIBUTION DUCT MUST BE MANDRELLED WHILE A PG&E INSPECTOR IS PRESENT),CAPPED,AND MARKED.
C. CONDUITS ENTERING BOXES MUST HAVE 1 FOOT OF STRAIGHT CONDUIT ENTERING BOX.
D. A POLYESTER PULL TAPE SHALL BE INSTALLED IN EACH CONDUIT TO INITIATE CABLE PULLING.
E. CONTRACTOR INSTALLING SUBSTRUCTURES WILL BE RESPONSIBLE FOR INSTALLING GROUND RODS AT THE TRANSFORMER PADS AND 3'X 5' SPLICE BOX PER PG&E DRAWINGS.
F. CONTRACTOR IS TO INSURE ALL SUBSTRUCTURES HAVE ADEQUATE LEVEL GROUND AROUND THEM OR RETAINING WALLS MUST BE INSTALLED PER PG&E DRAWING 051122.

PG&E IS TO CUT EXISTING 4"PRIMARY DUCT AND REROUTE DUCT/CABLE AS SHOWN.CONTRACTOR IS TO TRENCH AND PROVIDE 2–4" 90 DEG.5'RADIUS BENDS.PG&E WILL INSTALL THE BENDS AND REROUTE THE THE CABLE INTO THE NEW BOX.NEW CABLE IS TO BE PULLED BETWEEN BOX AND RISER POLE.

ENGINEERING AND PLANNING DEPT.
333 Sacramento Street
Auburn, California 95603
PHONE # 530–889–3317
FAX # 530–889–3397
PACIFIC GAS AND ELECTRIC COMPANY

CO: 8229570
Sht: 30192546
NOTIFY: 1900826
Other:
SHEET: 1 of 1
REV.

EST: Llewellyn DuPratel
ADE: Jim Waldvogel
SUPV: Darrell Johnson
REP: Bob Reynolds
PLNR: Wayne Ash
DATE: 04-17-01
SCALE: 1"=40'
DRAWN BY
CHKD
SURV
APVD BY

NO.	DATE	DESCRIPTION
1	3/11/02	ADDENDUM NO. 3

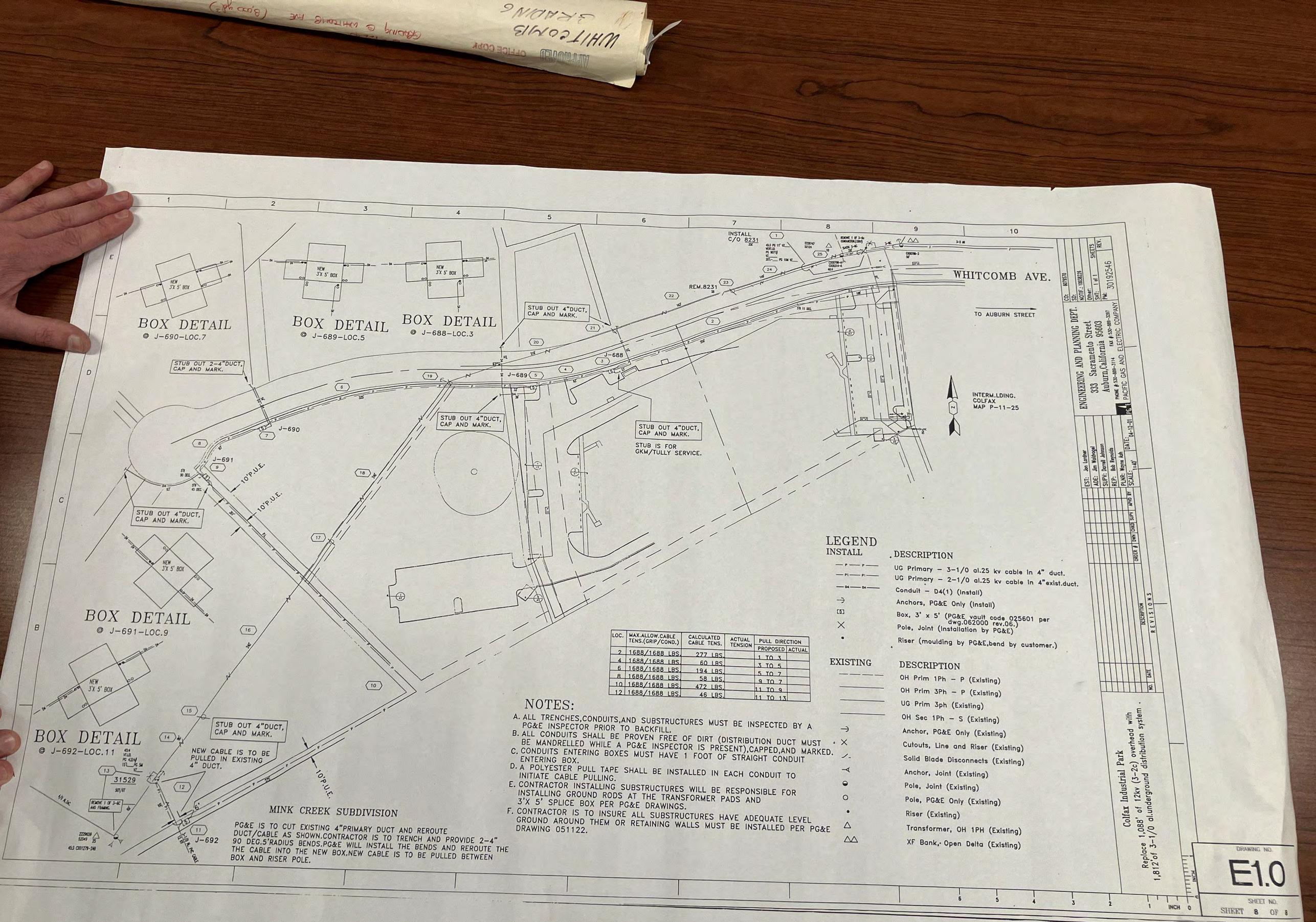
Colfax Industrial Park
Replace 1,088' of 12kv (3–2c) overhead with 1,812'of 3–1/0 al.underground distribution system.
Joint Trench Composite Drawing

DATE
JANUARY 2002

DRAWING NO.
E1.0

SHEET NO.
SHEET 8 OF 8

APPROVED OFFICE COPY
WHITCOMB
STADIUM



LOC.	MAX.ALLOW.CABLE TENS.(GRIP/COND.)	CALCULATED CABLE TENS.	ACTUAL TENSION	PULL DIRECTION	
				PROPOSED	ACTUAL
2	1688/1688 LBS.	277 LBS.		1 TO 3	
4	1688/1688 LBS.	60 LBS.		3 TO 5	
6	1688/1688 LBS.	194 LBS.		5 TO 7	
8	1688/1688 LBS.	58 LBS.		9 TO 7	
10	1688/1688 LBS.	472 LBS.		11 TO 9	
12	1688/1688 LBS.	46 LBS.		11 TO 13	

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LEGEND

INSTALL	DESCRIPTION
—P—P—	UG Primary – 3-1/0 al.25 kv cable in 4" duct.
—P1—P1—	UG Primary – 2-1/0 al.25 kv cable in 4"exist.duct.
—D4—D4—	Conduit – D4(1) (Install)
→	Anchors, PG&E Only (Install)
[5]	Box, 3' x 5' (PG&E vault code 025601 per dwg.062000 rev.06.)
×	Pole, Joint (Installation by PG&E)
•	Riser (moulding by PG&E,bend by customer.)

EXISTING	DESCRIPTION
————	OH Prim 1Ph – P (Existing)
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⟋	Solid Blade Disconnects (Existing)
⋌	Anchor, Joint (Existing)
◒	Pole, Joint (Existing)
○	Pole, PG&E Only (Existing)
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ENGINEERING AND PLANNING DEPT.
333 Sacramento Street
Auburn,California 95603
PHONE # 530-889-3114 FAX # 530-889-3297
PG&E PACIFIC GAS AND ELECTRIC COMPANY

CD#: 807570
SD#:
NOTIF.#: 10030276
Other:
SHT#: 1 of 1
SHEETS
REV.
PM: 30192546

EST: Jon Lochner
ADE: Jon Wishingrad
SUPV: Darrell Johnson
REP: Bob Reynolds
PLNR: Wynna Ash
DATE: 04-12-91
SCALE: 1=40'
DRWN CHKD SUPV APVD BY

NO.	DATE	REVISIONS	DESCRIPTION	ORDER #

DRAWING NO.
E1.0
SHEET NO.
SHEET 8 OF 8