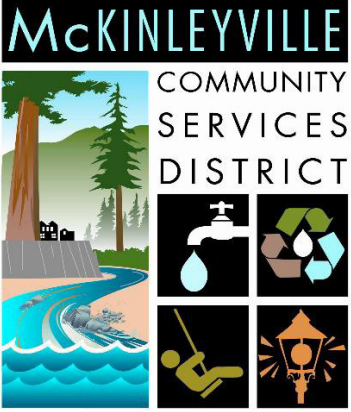


| | |
|---|--|
|  <p>McKINLEYVILLE COMMUNITY SERVICES DISTRICT</p> | <p align="center">McKinleyville Community Services District</p> <p align="center">Request for Qualifications</p> <p align="center">Highway Sewer Crossings Retrofit</p> <p align="center">Engineering, Environmental Review and Compliance, Permitting, Construction Management, and Grant Program Management</p> |
|---|--|

Part 1 Invitation

The McKinleyville Community Services District (District) through this Request for Qualifications (RFQ) seeks to select a qualified consulting firm (Consultant) to provide engineering, geotechnical, survey, environmental permitting & construction observation services for the retrofit of three sanitary sewer crossings under Highway 101. Consultants are encouraged to submit a Statement of Qualifications (SOQ) in accordance with the requirements outlined below.

The deadline to submit a SOQ is 3:00 pm on April 11, 2025 at MCSD Office, 1656 Sutter Road, McKinleyville, CA 95519

Part 2 Project Overview

The goal of this project is to retrofit the three existing Highway 101 sanitary sewer crossings in McKinleyville. The three existing Highway 101 sewer crossing were installed in 1976, both the north and south crossings consist of 15-inch asbestos cement pipe (ACP) within 32-inch steel casings, while the middle crossing is 10-inch ductile iron pipe within a 21-inch steel casing. It is anticipated that all three crossings would be replaced with parallel jack & bore PVC pipe within a steel casing pipe that is more resilient to damage in a major earthquake and with a slightly larger capacity to handle larger storm event flows than the existing pipes. This long-term and independent solution will ensure MCSD can continue providing wastewater services, avoid contamination of local groundwater, streams, and parks with raw wastewater, and protect the integrity of Highway 101 above the crossings in the event of a major earthquake.

The project is being funded in part by a Federal Emergency Management Agency (FEMA) Hazard Mitigation Grant being administered by the California Governor's Office of Emergency Services (Cal OES). Project activities must adhere to the requirements of both federal and state agencies related to the Hazard Mitigation Grant Program, National Environmental Policy Act (NEPA) and the California Environmental Quality Act (CEQA).

Part 3 Scope of Services

This project was to be executed with a two-phased approach based on the FEMA/CalOES funding. The first phase was completed in early 2021 and consisted of:

- Initial topographic surveying and right of way mapping and preparation of 30% Design Plans (See Attachment C)
- A Basis of Design Report (See Attachment D)
- Performance of environmental and other special studies required to complete the CEQA/NEPA analysis (See Attachments E through F). Please also note that a Cultural Resources Study was completed and will be provided to the selected consultant.

The Phase 1 design and environmental documents were submitted to CalOES in February 2021. Prior to the award of the Phase 2 final design and construction funds, FEMA needed to complete NEPA for the project. It took until February of 2025 for FEMA to complete NEPA and release the second phase of grant funding (See Attachment B for the Award Letter and Record of Environmental Consideration). The second phase of work will include:

- Any additional geotechnical investigation and analysis required
- Any additional surveying, topographic mapping, staking/establishment of right of way
- The preparation and circulation of the CEQA document (assumed to be a Mitigated Negative Declaration), and performance of any additional wetlands, biological or other special studies required to support the CEQA analysis
- Any additional permitting, including but not limited to obtaining a Caltrans Encroachment Permit, sediment and erosion control permitting, etc.
- Finalization of the design plans and specifications
- Preparation of the bid package, oversight of the bidding process, and recommendations for the final Construction Contract Award
- Construction observation and management during project construction
- HMG Quarterly Report preparation and grant management.

Attachment A provides additional detail for the anticipated scope of services. It should be noted on the FEMA Phase 2 Grant Award Letter, that the listed project completion date is March 22, 2026. We have told CalOES that it will be impossible to complete the project by that date. They have said that the Period of Performance is being extended to August 2026. It is unclear at this time if further extensions will be possible, but the District will endeavor to obtain such an extension.

It should be further noted that, after the Phase 1 project completion, CalOES audited the project and determined that, since GHD Inc. had assisted the District with the initial grant application, they should not have been awarded the initial design contract and are excluded from performing additional work on this project.

Part 4 SOQ Requirements

4.1 SOQ Contents

The SOQ shall include the following items:

1. Table of Contents

2. Cover Letter

Provide a cover letter, maximum length of 2 pages, indicating the Consultant's interest and summary of qualifications. Include Consultant's name, office location and years in operation. Include name and contact information for the officer authorized to represent the firm for any correspondence and negotiations.

3. Project Understanding and Approach

Summarize the Consultant's understanding of the services to be performed and specific challenges that are related to the delivery of the anticipated Scope of Services.

Approach section should include:

- How the Consultant will address the identified project challenges
- Project Management highlighting communication plan, schedule management and how the consultant will integrate the District into the overall process of design and project implementation
- Quality Assurance and Quality Control measures
- Demonstration of knowledge of Federal, State and local laws, rules, regulations or ordinances relevant to this project
- Demonstration of knowledge of FEMA's Hazard Mitigation Grant program as it relates to this project. Identification of CalOES or FEMA grant administration staff with whom firm/team has worked.

4. Experience and Qualifications of Firm

Describe qualifications of Consultant's and key Subconsultant's firm(s) and specific experience within the last 5 years providing similar services to those anticipated for this project. Include information related to Consultant's firm with state and federal grant funded projects including Hazard Mitigation and Pre-Disaster Mitigation Grant funding. Provide descriptions (size, type, year, amount, and location) of five similar projects complete with contact information (name, title, phone number, and e-mail address) for each reference project provided.

Provide a project organization chart showing key team members who will be assigned to the project. Identify key team members who Consultant feels would be critical to the success of the project and describe how each will contribute to the project. Provide examples of project assignments in which they have played a similar role.

5. Proposed Project Manager References

Provide a list of no fewer than three references to check the performance of the team

member identified as the proposed Project Manager in the SOQ.

6. Schedule

Provide a proposed project schedule from project award through estimated construction completion.

7. Appendices

- a. Resumes. Provide resumes, limited to two pages each, for all proposed team members who would be assigned to the project.
- b. Professional Services Agreement: A sample of the District's Professional Services Agreement is attached to this RFQ (Attachment B). SOQs must include any objections Consultant may have with the District's contract template and provide an explanation of the inability to comply with the required term(s). Submission of a SOQ without objections constitutes Consultant's approval and agreement to execute an agreement in the form of Attachment B.

4.2 Page Limit

SOQ shall be limited to a total of 15 pages which shall be numbered in consecutive order. The page limit excludes the SOQ cover, table of contents, cover letter, section dividers, and resumes. SOQs shall be submitted on 8½ by 11 pages (with the exception of the Schedule which can be on 11 by 17 if desired) with each double-sided sheet counted as 2 pages.

4.3 SOQ Submittal Requirements

Consultants who wish to be considered for selection to provide services for this project must submit three copies of the complete SOQ and a complete electronic pdf version on a flash drive in a sealed envelope and labeled with:

- Submitting firm's name and address
- "Statement of Qualifications for Engineering Services for MCSD Highway Sewer Crossing Project."
- SOQ due date and time as specified in the Consultant Selection Schedule below

The sealed SOQ envelope shall be placed in a separate envelope and sent to the following:

Statement of Qualifications for Highway Sewer Crossing Project
Attn: Patrick Kaspari, General Manager
McKinleyville Community Services District
1656 Sutter Road
McKinleyville, CA 95519

SOQs must be received in the office listed above. SOQs received after the deadline specified in the Consultant Selection Schedule below, regardless of postmark date, will be rejected.

SOQs and materials submitted in response to this RFQ will become the property of the District and will not be returned. The District is not responsible for any costs incurred in the preparation of responses to this RFQ.

4.3 Questions and Addenda

Questions regarding this RFQ must be submitted in writing, by e-mail only, to James Henry, Operations Director, at jhenry@mckinleyvillecsd.com by the deadline shown in the Consultant Selection Schedule below. Questions will be responded to in writing. Written summaries of all questions and answers will be distributed to each consultant. Addendum will be issued, if necessary, and posted to the District's website.

Site visits are available upon request. Requests shall be in writing via e-mail and directed to James Henry, Operations Director, at jhenry@mckinleyvillecsd.com.

Part 5 Schedule

5.1 Project Schedule

The followings is a preliminary schedule for the project:

| Event | Date |
|---------------------------------------|-----------------------------------|
| FEMA Notice to Proceed with Phase Two | February 12, 2025 |
| Consultant Finalize CEQA Docs | April through September 2025 |
| Consultant Finalize Bid Package | April through September 2025 |
| Bid project | October 2025 |
| Construction | November 2025 through August 2026 |
| Phase Two final completion | August 2026 |

The preliminary project schedule is subject to review of site surveys and FEMA Environmental and Historic Preservation review for Phase Two activities and NEPA required project conditions.

5.2 Consultant Selection Schedule

The following schedule has been established for the Consultant selection process. The District reserves the right, however, to modify this schedule as needed.

| Event | Date |
|---|---------------------------------|
| Issue RFQ | March 06, 2025 |
| Deadline to submit questions | March 28, 2025 (5:00 p.m.) |
| Deadline for addenda to be issued | April 1, 2025 (5:00 p.m.) |
| Deadline to submit SOQ | April 11, 2025 (3:00 p.m.) |
| Selection Committee review | April 11 through April 18, 2025 |
| Notify apparent most qualified Consultant | April 18, 2025 |
| Selected Consultant submits scope of work and fee | April 30, 2025 (5:00 p.m.) |
| District Board approval of contract | May 7, 2025 |

Part 6 Selection, Award, and Contract Negotiation

6.1 Selection Process

Consultants are responsible for the completeness of the SOQs submitted. SOQs that do not contain information required by this RFQ may be rejected as non-responsive.

The District will establish a selection committee to review submitted SOQs that have been found to be responsive. The committee will score these SOQs against the stated criteria and weighting described below. SOQs will then be ranked according to score with the apparent most qualified Consultant being the one receiving the highest score.

The District reserves the right to request interviews of the top ranked firms. Should interviews be required, those Consultants participating in the interview process will have their SOQs rescored and the final rankings will be based on those scores.

The District reserves the right to withdraw this RFQ or modify the schedule at any time. The District also makes no representation that a contract will be awarded to any firm responding to this RFQ. The District reserves the right to reject any and all SOQs, to waive irregularities in any SOQ or the RFQ procedure and to be the sole judge of responsiveness to this RFQ.

6.2 Selection Criteria

The District's selection committee will score responsive SOQs according to the following criteria:

| Criteria | Points Possible |
|---|------------------------|
| 1. Understanding of the project and proposed approach | 25 |
| 2. Qualifications and experience on similar projects | 25 |
| 3. Key personnel qualifications | 20 |
| 4. Project manager references | 15 |
| 5. Experience with federal grant funded projects | 15 |
| Total Points Possible | 100 |

6.3 Contract Negotiation

Once a tentative selection has been made by the selection committee, the District will attempt to negotiate a contract with the selected Consultant. If the negotiations are not successful, the District will terminate negotiations with the selected Consultant and will begin to negotiate with other qualified consultants in the order of their respective SOQ ranking (from highest to lowest) until an agreement is reached, or the District decides to terminate the selection process.

Part 7 Attachments

Attachment A: Scope of Services

Attachment B: Phase 2 Grant Award Letter, FEMA/CalOES, Feb. 3, 2025

Attachment C: 30% Design Plans, GHD Inc., December 2020

Attachment D: Basis of Design Report, GHD Inc., February 1, 2021

Attachment E: Wetland Delineation Report, GHD Inc., January 2021

Attachment F: Biological Resources Evaluation, GHD Inc., January 8, 2021

Attachment G: Professional Services Agreement with Federal Contract Provisions

Attachment A: Scope of Services

McKinleyville CSD – Highway Sewer Crossing Engineering Design, Permitting and Construction Observation Services

It is anticipated that the Consultant will then complete the following tasks as part of this work.

Task 1 – Project Management

This Task includes general Project Management duties required to keep the project on budget and schedule and facilitate communication between all Project Team Members. Typical tasks include providing coordination with the District, the Consultant's team, and the Construction Contractor, invoicing, project scheduling, progress meetings scheduling and agenda development, and quality assurance and quality control reviews.

Task 2 – Grant Administration

This Task includes assisting the District with the administration of the Hazard Mitigation Grant. This will include providing grant administration services on an as needed basis to assist the District in meeting Hazard Mitigation Grant Program requirements. Tasks will include preparation of Draft of Quarterly Progress Reports and Quarterly Reimbursement Requests for Cal OES for District review and submittal; preparation of any Draft Request for Extension or other letters to Cal OES; and regular correspondence with Cal OES and FEMA staff as needed. This task will need to be tracked and invoiced as a distinct task so Grant Management costs can be claimed from CalOES for this project.

Task 3 –Geotechnical Investigation

This Task consists of the completion of any geotechnical studies required for the final design of the Project. The Consultant will install any necessary geotechnical borings and perform any soil or other testing necessary to develop the final design documents. Consultant will obtain all necessary permits from the County, Caltrans or other agencies necessary to perform the geotechnical borings. Consultant shall provide draft and final copies of the completed Geotechnical Report to the District.

Task 4 – Final Surveying

This Task includes providing final topographic surveying services to support the final engineering design and/or land of ROW acquisition tasks. Points West performed a topographic survey as part of the initial phase of work, and a copy of this survey in AutoCAD format will be provided to the selected Consultant. Additional topographic survey and property information will be collected as required for the final design. Legal descriptions will be developed as necessary for any land or ROW acquisition. The Consultant will obtain any and all necessary Encroachment Permits and implement traffic control in conformance with CalTrans requirements.

Task 5 – Land and/ROW Acquisition

This Task will consist of assisting the District with any Land or ROW acquisition efforts required for the project. The District currently owns lands or has sanitary sewer ROW or County drainage easements encompassing all of the existing crossings. It is unclear whether the new crossings will require the acquisition of any additional land or easements. The final design will establish whether this will be required. The Consultant will then assist the District in the acquisition of land/ROW including with correspondence with property owners, the development

Attachment A: Scope of Services

of any legal descriptions of property to be acquired, completion of a Phase I Environmental Site Assessment, additional survey work, etc.

Task 6 – Final Engineering Design & Bid Package Development

This Task will consist of the development of the final design drawings, technical specifications, and contract documents needed for Contractor selection via a competitive public bidding process. Consultant shall prepare and submit 90%, and Final design plans, specifications and Front End documents for a complete bid package to the District for review. Design services will also include preparation of construction cost estimates at each design completion point. The District will provide a typical Construction Contract document to be included in the Bid Package.

Task 7 –Permitting

This Task will include completion of the required CEQA document as well as other permits necessary for the completion of the Project. The Special Studies developed in Phase 1 will be utilized to develop the California Environmental Quality Act document for this project, which is assumed to be an Initial Study (IS) and Mitigated Negative Declaration (MND). Consultant shall prepare a Draft and Final IS and MND, and will assist the District in the circulation, response to comments, and adoption of the MND. This Task will also include preparing applications for the California Coastal Commission Coast Development Permit at both the north and south crossings, which are within the Coastal Development Zone. The Task will also include preparing CalTrans Encroachment Permit documents and working with CalTrans to obtain the Encroachment Permit. It will also include preparing necessary County Encroachment Permits and County Grading Permit applications and the required sediment and erosion control documentation as well as any other necessary National Pollution Discharge Elimination (NPDES) permit requirements for the State.

Task 8 – Bid Assistance

Consultant shall also assist the District with the circulation of the Bid Package to appropriate Contractors as well as to the Humboldt County, Shasta and Sacramento Builder's Exchanges. Consultant will also organize and facilitate a Pre-Bid Meeting, respond to Contractor's Requests for Information, and facilitate the Bid Opening. Consultant will then review bids for responsiveness and responsibility, prepare a bid tabulation table, and prepare a memo to the District recommending the Contractor to receive the bid award.

Task 9 – Construction Management

This Task includes providing Construction Management services for the Project. This will include engineering daily inspections, Contractor Submittal review and response, review and preparation of contract change orders, review and response to Contractor Requests for Information, Contractor invoice review and approval, development of as-built drawings, Auto Cad files, and all other work required to oversee and ensure that construction of the Project is properly executed. This Task will also include Grant and project closeout activities including preparation of a Final Status Report detailing project completion for submittal to the District and CalOES.


FEMA

February 3, 2025

Robyn Fennig
Assistant Director Hazard Mitigation
Governor's Authorized Representative
California Governor's Office of Emergency Services
3650 Schriever Avenue
Mather, CA 95655

Reference: Phase Two Application Approval, HMGP DR-4353-059-14
McKinleyville Community Services District
Sewer Highway Crossing Retrofit
FIPS Code: 023-04B3E, Supplement #144

Dear Robyn Fennig,

We approve and issue Hazard Mitigation Grant Program (HMGP) funds for the McKinleyville Community Services District, HMGP DR-4353-059-14, Sewer Highway Crossing Retrofit, Phase Two.

The total project cost for Phase Two is \$6,840,400.00. As shown in the enclosed January 13, 2025, Obligation Report – Supplement #144, we are obligating \$5,130,300.00 for the 75 percent Federal share; the 25 percent non-Federal share is \$1,710,100.00. We are obligating \$46,762.48 for the 100% Federal share Subrecipient Management Costs (SRMC). These funds are available in SmartLink for immediate and eligible disbursements. The following is a summary of the approved funding.

| Project Phase: | Federal Share: | Non-Federal Share: | Total Project Cost: |
|------------------------------------|-----------------------|---------------------------|----------------------------|
| Phase 1, Supplement #25 | \$135,000.00 | \$45,000.00 | \$180,000.00 |
| Phase 1, Supplement #52 & #73 SRMC | \$9,000 | \$0 | \$9,000 |
| Phase 2, Supplement #144 | \$5,130,300.00 | \$1,710,100.00 | \$6,840,400.00 |
| Phase 2, Supplement #144 SRMC | \$46,762.48 | \$0 | \$46,762.48 |
| TOTALS | \$5,321,062.48 | \$1,755,100.00 | \$7,076,162.48 |

This HMGP project approval and obligation of funds are subject to the following conditions:

- 1. Scope of Work (SOW)** – The McKinleyville Community Services District will replace three wastewater service line crossings of Highway 101 in McKinleyville, California at three locations. This approval covers Phase Two construction actions for the installation of these line crossings.

- 2. Project Completion Date** – The work schedule included with the project application indicates that the project will take 18 months to complete; however, we can only approve a project up to the approved disaster period of performance (POP). Therefore, the project completion date is March 22, 2026. Please inform the sub-recipient that work completed after the disaster period of performance (POP) is not eligible for federal funding, and that federal funds may be de-obligated for work completed outside the POP when there is no approved time extension.
- 3. Project Closeout** – Within 90 days of the award period of performance’s expiration, all project funds must be liquidated and final closeout documentation for the project must be submitted to FEMA. Please note the project must comply with Code of Federal Regulations Title 2, Part 200 reporting requirements at the time of closeout.
- 4. Record of Environmental Consideration (REC)** –The Proposed Action is the preferred action under Section 2.3.4 Repairing, Realigning, or Otherwise Modifying Roads, Trails, Utilities, and Rail Lines of the Programmatic Environmental Assessment for Recurring Actions in Arizona, California, and Nevada (PEA). No further National Environmental Policy Act (NEPA) review is required. A list of Typical Best Management Practices (BMP) is attached. Addressing the BMPs appropriate for this scope of work is a condition of funding. Please reference the enclosed REC for further information.
- 5. Standard Conditions** – This project approval is subject to the enclosed *Standard Mitigation Grant Program (HMGP) Conditions*, amended August 2018. Please note that federal funds may be de-obligated for work that does not comply with these conditions.

For financial or programmatic questions please contact Ethan Young, Grants Management Specialist by email at ethan.young@fema.dhs.gov, or phone 240-302-6960.

Sincerely,

Kathryn Lipiecki
Director, Mitigation Division
FEMA Region 9

Enclosures (3):

Obligation Report - Supplement #144
Record of Environmental Consideration (REC)
Standard Mitigation Grant (HMGP) Conditions

cc: Melissa Boudrye: Resilience Branch Chief, California Governor’s Office of Emergency Services

Concepcion Chavez: Technical Assistance Division Chief, California Governor's Office of
Emergency Services

Ron Miller: Hazard Mitigation Assistance Branch Chief, California Governor's Office of
Emergency Services

Joe Purvis: HM Grants Division Chief, California Governor's Office of Emergency
Services

Ryan Massello: HM Quality Assurance Division Chief, California Governor's Office of
Emergency Services

Robert McCord, Chief, Hazard Mitigation Assistance Branch, FEMA Region 9.

HAZARD MITIGATION GRANT PROGRAM

Obligation

| Disaster No | FEMA Project No | Amendment No | State Application ID | Action No | Supplemental No | State | Recipient |
|-------------|-----------------|--------------|----------------------|-----------|-----------------|-------|-----------|
| 4353 | 14 R | 3 | 59 | 4 | 144 | CA | Statewide |

Subrecipient: MC KINLEYVILLE COMMUNITY SERVICES DIS Project Title : McKinleyville Community Services District, Sewer Highway Crossing Retrofit
 Subrecipient FIPS Code: 023-04B3E

| Total Amount Previously Allocated | Total Amount Previously Obligated | Total Amount Pending Obligation | Total Amount Available for New Obligation | | |
|-----------------------------------|-----------------------------------|---------------------------------|---|--|--|
| \$5,265,300.00 | \$5,265,300.00 | \$0.00 | \$0.00 | | |

| Project Amount | Subrecipient Management Cost Amount | Total Obligation | IFMIS Date | IFMIS Status | FY |
|----------------|-------------------------------------|------------------|------------|--------------|------|
| \$5,130,300.00 | \$46,762.48 | \$5,177,062.48 | 01/13/2025 | Accept | 2025 |

Comments

Date: 01/13/2025 User Id: SSCOTT39

Comment: Approved funding for DR-4353-59-14R McKinleyville Community Services District, Sewer Highway Crossing Retrofit (LPN) for \$5,130,300.00 Federal Share and \$46,762.48 Sub Recipient Management Costs

Authorization

Preparer Name: STEVEN SCOTT

Preparation Date: 01/13/2025

HMO Authorization Name: ANDREA HARVEY

HMO Authorization Date: 01/13/2025

RECORD OF ENVIRONMENTAL CONSIDERATION (REC)

Project ID: HMGP-4353-0014-CA (4353-59-14) (2)

Title: MCSD Sewer Highway Crossing Retrofit (Phase 2)

NEPA DETERMINATION

Non Compliant Flag: No EA Draft Date: 10/21/2014 EA Final Date: 03/01/2019
 EA Public Notice Date: 03/01/2019 EA Fonsi Date: 03/08/2019 Level: EA
 EIS Notice of Intent Date: EIS ROD Date:

Comments: The McKinleyville Community Services District proposes to install three new high-density polyethylene or polyvinyl chloride, continuously-joined pipe, sewer crossings under U.S. 101, using horizontal auger boring in the City of McKinleyville, Humboldt County, California. The sewer crossings are referred to as the Northern, Middle, and Southern crossings. The latitude/longitude of the three sewer crossings are: Northern Crossing: 40.960371, -124.116047; Middle Crossing: 40.946310, -124.116183; and Southern Crossing: 40.926277, -124.110332. The new piping would be installed within a 46-inch steel casing at each site and the pipes are sized at 16 inches for the Northern Crossing, 10 inches for the Middle Crossing, and 16 inches for the Southern Crossing. The total project area would be 15.2 acres, within which there would be approximately 2 acres of ground disturbance. The extent of ground disturbance would include excavations on the east and west sides of Highway 101 at the three crossing locations. The excavations would consist of jacking and receiving shafts, sewer main boring, and a manhole at the end of each pipe. Jacking shafts would measure 12 feet wide by 40 feet long and vary in depth from 17 to 24 feet deep. Receiving shafts would measure 12 feet wide by 12 feet long and range in depth from 25 to 30 feet deep. Sewer main borings would measure 5 feet wide and would be between 15 and 28 feet deep. One excavation for manhole installation at the Northern Crossing would measure 12 feet wide by 12 feet long by 15 feet deep. The three new sewer crossings would be installed parallel to the three existing sewer crossings. Temporary access roads would be improved in the Southern Crossing area and grading would occur in all work areas. Additionally, vegetation removal would include limited clearing and grubbing along access roads and in work areas. Heavy machinery would be used during tree removal to extract root balls. The Proposed Action is the preferred action under Section 2.3.4 Repairing, Realigning, or Otherwise Modifying Roads, Trails, Utilities, and Rail Lines of the Programmatic Environmental Assessment for Recurring Actions in Arizona, California, and Nevada (PEA). No further National Environmental Policy Act (NEPA) review is required. A list of Typical Best Management Practices (BMP) is attached. Addressing the BMPs appropriate for this scope of work is a condition of funding. See attached and condition. - tyoung49 - 12/18/2024 18:50:22 GMT

EXTRAORDINARY CIRCUMSTANCES

| Extraordinary Circumstance Code | Description | Selected ? |
|---------------------------------|--|------------|
| viii | (viii) Significantly greater scope or size than normally experienced for this particular category of action. | Yes |

ENVIRONMENTAL LAW / EXECUTIVE ORDER

| Environmental Law/ Executive Order | Status | Description | Comments |
|--------------------------------------|-----------|--|--|
| Clean Air Act (CAA) | Completed | Project is located in an attainment area - Review concluded | The project is in Humboldt County, which has been designated by the U.S. Environmental Protection Agency (USEPA) as having attained the relevant National Ambient Air Quality Standards. The proposed action would not cause emissions of criteria pollutants or their precursors. Therefore, the scope of work associated with this undertaking is exempt from a conformity determination under the General Conformity Rule. - tyoung49 - 12/18/2024 17:12:09 GMT |
| Coastal Barrier Resources Act (CBRA) | Completed | Project is not on or connected to CBRA Unit or otherwise protected area - Review concluded | |

RECORD OF ENVIRONMENTAL CONSIDERATION (REC)

Project ID: HMGP-4353-0014-CA (4353-59-14) (2)

Title: MCSD Sewer Highway Crossing Retrofit (Phase 2)

| Environmental Law/ Executive Order | Status | Description | Comments |
|---------------------------------------|-----------|--|---|
| Clean Water Act (CWA) | Completed | Project would affect waters, including wetlands, of the U.S. | The scope of work associated with this project has the potential to affect waters of the U.S. This project may require Section 404/401 Clean Water Act (CWA) or Section 9/10 (Rivers and Harbors Act) Permit(s), including qualification under Nationwide Permits. The Subapplicant is required to contact USACE to determine whether project activities require USACE permits under the CWA. See Condition. - tyoung49 - 12/18/2024 17:06:39 GMT |
| | Completed | Project may require Section 404/401 or Section 9/10 (Rivers and Harbors Act) permit, including qualification under Nationwide Permits - Review concluded | |
| Coastal Zone Management Act (CZMA) | Completed | Project is located in a coastal zone area and/or affects the coastal zone | The project has been determined to have no reasonably foreseeable effects on any land or water use or natural resource of the coastal zone and therefore does not require consistency review. - tyoung49 - 12/18/2024 17:10:29 GMT |
| | Completed | State administering agency does not require consistency review - Review concluded | |
| Executive Order 11988 - Floodplains | Completed | Located in floodplain or effects on floodplain/flood levels | The project is partially located within an A Zone, Special Flood Hazard Area (100-year floodplain, base floodplain), per Flood Insurance Rate Map (FIRM) panel 06023C0680G dated June 21, 2017, and 06023C0690F dated November 4, 2016. The proposed action is not likely to result in any potential direct impacts that would adversely affect the natural values and function of floodplains, nor is it likely to increase the risk of flood loss. The Initial Disaster Public Notice was published on March 17, 2022. Per 44 CFR 9.5(d)(4), the 8-step Process was completed, and the determination was the project is the only practicable alternative. Floodplain Management 8-Step Checklist is attached. See Condition. See attached map. - tyoung49 - 12/18/2024 17:39:54 GMT |
| | Completed | Possible adverse effects associated with investment in floodplain, occupancy or modification of floodplain environment | |
| | Completed | 8 Step Process Complete - documentation attached - Review concluded | |
| Executive Order 11990 - Wetlands | Completed | Located in wetlands or effects on wetlands | The project may affect wetlands. See attached. See conditions. - tyoung49 - 12/18/2024 17:47:54 GMT |
| | Completed | Possible adverse effect associated with constructing in or near wetland | |

RECORD OF ENVIRONMENTAL CONSIDERATION (REC)

Project ID: HMGP-4353-0014-CA (4353-59-14) (2)

Title: MCSD Sewer Highway Crossing Retrofit (Phase 2)

| Environmental Law/ Executive Order | Status | Description | Comments |
|---|-----------|--|--|
| | Completed | 8 Step Process Complete - documentation attached - Review concluded | |
| Executive Order 12898 - Environmental Justice for Low Income and Minority Populations | Completed | Low income or minority population in or near project area | Minority or low-income populations were identified through program coordination and public involvement, state EJ community lists or maps, or EJSCREEN reports for the area around project sites. Review of the project scope of work revealed no adverse effects on these populations. Therefore, no additional review for potential EJ concerns is required. - tyoung49 - 12/18/2024 18:47:30 GMT |
| | Completed | No disproportionately high and adverse impact on low income or minority population - Review concluded | |
| Endangered Species Act (ESA) | Completed | Listed species and/or designated critical habitat present in areas affected directly or indirectly by the federal action | A No Effect Memorandum has been prepared as it has been determined that the proposed actions would result in No Effect to federally listed species or designated critical habitat. Consultation with the U.S. Fish and Wildlife Service is not required. See attached No Effect Memorandum. - tyoung49 - 12/18/2024 16:56:58 GMT |
| | Completed | No effect to species or designated critical habitat (See comments for justification) - Review concluded | |
| Farmland Protection Policy Act (FPPA) | Completed | Project does not affect designated prime or unique farmland - Review concluded | |
| Fish and Wildlife Coordination Act (FWCA) | Completed | Project does not affect, control, or modify a waterway/body of water - Review concluded | |
| Migratory Bird Treaty Act (MBTA) | Completed | Project located within a flyway zone | |
| | Completed | Project does not have potential to take migratory birds - Review concluded | |
| Magnuson-Stevens Fishery Conservation and Management Act (MSA) | Completed | Project located in or near Essential Fish Habitat | Per consultation with National Marine Fisheries (NMFS); recommendations were provided. See attached. See Condition. - tyoung49 - 12/18/2024 17:33:18 GMT |
| | Completed | Project adversely affects Essential Fish Habitat (FEMA determination/USFWS/NMFS concurrence attached) | |
| | Completed | NOAA Fisheries provided recommendation(s) | |

RECORD OF ENVIRONMENTAL CONSIDERATION (REC)

Project ID: HMGP-4353-0014-CA (4353-59-14) (2)

Title: MCSD Sewer Highway Crossing Retrofit (Phase 2)

| Environmental Law/ Executive Order | Status | Description | Comments |
|---|-----------|---|--|
| | Completed | Written reply to NOAA Fisheries recommendations completed - Review concluded | |
| National Historic Preservation Act (NHPA) | Completed | Applicable executed Programmatic Agreement (enter date in comments). | Consultation with the appropriate tribes was conducted per 36 CFR 800.2(c)(2)(ii) and 36 CFR 800.2(c)(5). Consultation, which was concluded on 5/13/2024, indicated that the Bear River Rancheria, Blue Lake Rancheria, and the Wiyot Tribes had concerns with the proposed project. See attached. See Condition. FEMA consulted with the State Historic Preservation Officer (SHPO) on May 3, 2024, and made a finding of No Adverse Effect with Conditions in accordance with Stipulation II.C of the Programmatic Agreement among the Federal Emergency Management Agency (FEMA), the California State Historic Preservation Officer (SHPO), and the California Governor's Office of Emergency Services, October 29, 2019. SHPO had no objection to FEMA's finding by letter dated June 10, 2024. See attached. - tyoung49 - 12/18/2024 16:39:13 GMT***ABOVE COMMENT IS VOID AND NO LONGER APPLICABLE*** Consultation with the appropriate tribes was conducted per 36 CFR 800.2(c)(2)(ii) and 36 CFR 800.2(c)(5). Consultation, which was concluded on 5/13/2024, indicated that the Bear River Band of the Rohnerville Rancheria, Blue Lake Rancheria, and Wiyot Tribe had concerns with the proposed project. See attached. See Condition. FEMA consulted with the State Historic Preservation Officer (SHPO) on May 3, 2024, and made a finding of No Adverse Effect with Conditions in accordance with Stipulation II.C of the Programmatic Agreement among the Federal Emergency Management Agency (FEMA), the California State Historic Preservation Officer (SHPO), and the California Governor's Office of Emergency Services, October 29, 2019. SHPO had no objection to FEMA's finding by letter dated June 10, 2024. See attached. - tyoung49 - 12/19/2024 01:01:14 GMT |
| | Completed | No properties in the project area are 50 years or older or listed on the National Register - Review concluded | |
| | Completed | Project affects undisturbed ground | |
| | Completed | Project area has potential for presence of archeological resources | |
| | Completed | Determination of historic properties affected | |
| | Completed | NR eligible resources present in project area. (FEMA finding/ SHPO/THPO concurrence attached) | |

RECORD OF ENVIRONMENTAL CONSIDERATION (REC)

Project ID: HMGP-4353-0014-CA (4353-59-14) (2)

Title: MCSD Sewer Highway Crossing Retrofit (Phase 2)

| Environmental Law/ Executive Order | Status | Description | Comments |
|---------------------------------------|-----------|---|----------|
| | Completed | No Adverse Effect Determination. (FEMA finding/ SHPO/THPO concurrence attached) - Review concluded | |
| Wild and Scenic Rivers Act (WSR) | Completed | Project is not along and does not affect Wild and Scenic River - Review concluded | |

CONDITIONS

Special Conditions required on implementation of Projects:

The Subapplicant must coordinate with the local floodplain administrator and obtain any required permits prior to initiating work. Coordination correspondence with the Floodplain administrator, including any required permits, and implementation documentation to any permit conditions need to be forwarded to the State and FEMA for inclusion in the permanent project files.

Source of condition: Executive Order 11988 - Floodplains

Monitoring Required: Yes

The Subapplicant is responsible for proper identification of wetlands. Under EO11990 - Protection of Wetlands, the Subapplicant is responsible for coordinating with and obtaining any required Section 404 Permit(s) from the USACE prior to initiating work. The Subapplicant shall comply with all conditions of the required permit. All coordination pertaining to these activities shall be documented and copies forwarded to the California Governor's Office of Emergency Services and FEMA as part of the permanent project files.

Source of condition: Executive Order 11990 - Wetlands

Monitoring Required: Yes

The Subapplicant shall ensure that best management practices are implemented to prevent erosion and sedimentation to surrounding, nearby or adjacent wetlands. This includes equipment storage and staging of construction to prevent erosion and sedimentation to ensure that wetlands are not adversely impacted per the Clean Water Act and Executive Order 11990.

Source of condition: Executive Order 11990 - Wetlands

Monitoring Required: Yes

This project may impact Waters of the U.S., and the Subapplicant is required to contact the USACE to determine whether project activities require a USACE permit under Section 404 of the Clean Water Act (CWA). All documentation pertaining to coordination and permitting must be attached to the Subapplicant application. Failure to comply with these conditions may jeopardize FEMA funding; verification of compliance will be required at project closeout.

Source of condition: Clean Water Act (CWA)

Monitoring Required: Yes

Any changes to the scope of work must be resubmitted to FEMA and the California Coastal Commission prior to initiation of any work. Subapplicant is responsible for all necessary coordination with California Coastal Commission and obtaining any necessary coastal permitting and Federal Consistency Certification if determined applicable. They are to implement any conditions associated with the California Coastal Commission approval.

Source of condition: Coastal Zone Management Act (CZMA)

Monitoring Required: No

The Subrecipient is responsible for implementing all conditions in the attached documentation per National Marine Fisheries Service (NMFS) Failure to comply with these conditions may jeopardize FEMA funding; verification of compliance will be required at project closeout.

Source of condition: Magnuson-Stevens Fishery Conservation and Management Act (MSA)

Monitoring Required: Yes

The Subapplicant must return the completed Post-construction Notification Reporting Form to FEMA-PCNR@fema.dhs.gov and the National Marine Fisheries Service (NMFS) within 45 days of project completion.

Source of condition: Magnuson-Stevens Fishery Conservation and Management Act (MSA)

Monitoring Required: Yes

RECORD OF ENVIRONMENTAL CONSIDERATION (REC)

Project ID: HMGP-4353-0014-CA (4353-59-14) (2)

Title: MCSD Sewer Highway Crossing Retrofit (Phase 2)

The Subapplicant is responsible for implementing the following condition: Native American and Archaeological monitoring as recommended by the Bear River Rancheria, Blue Lake Rancheria, and the Wiyot Tribes will occur during construction of the project. Failure to comply with these conditions may jeopardize FEMA funding; verification of compliance will be required at project closeout.

Source of condition: National Historic Preservation Act (NHPA)

Monitoring Required: Yes

The Subapplicant is responsible for implementing best management practices (BMPs) appropriate for this scope of work. A list of Typical Best Management Practices is attached. Any changes to this scope of work must be resubmitted to FEMA for review prior to initiation of any work. Noncompliance with these requirements may jeopardize federal funding.

Source of condition: NEPA Determination

Monitoring Required: Yes

Standard Conditions:

Any change to the approved scope of work will require re-evaluation for compliance with NEPA and other Laws and Executive Orders.

This review does not address all federal, state and local requirements. Acceptance of federal funding requires recipient to comply with all federal, state and local laws. Failure to obtain all appropriate federal, state and local environmental permits and clearances may jeopardize federal funding.

If ground disturbing activities occur during construction, applicant will monitor ground disturbance and if any potential archeological resources are discovered, will immediately cease construction in that area and notify the State and FEMA.

Standard Mitigation Grant Program (HMGP) Conditions

FEMA Region IX, August, 2018

The following list applies to Recipients and Subrecipients accepting HMGP funds from the Federal Emergency Management Agency (FEMA) of the Department of Homeland Security (DHS):

1. **Applicable Federal, State, and Local Laws and Regulations.** The Recipient/Subrecipient must comply with all applicable Federal, State, and Local laws and regulations, regardless of whether they are on this list or other project documents. DHS financial assistance Recipients and Subrecipients are required to follow the provisions of the State HMGP Administrative Plan, applicable Hazard Mitigation Assistance Uniform Guidance, and Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards located in Title 2 of the Code of Federal Regulations (CFR) Part 200, adopted by DHS in 2 CFR 3002.
2. **Financial Management Systems.** The Recipient and Subrecipient must maintain financial management systems to account for and track funds, as referenced in 2 CFR 200.302.
3. **Match or Cost Share.** Non-federal match or cost share must comply with 2 CFR 200.306, the scope of work (SOW), and any agreements among the Subrecipient, the Recipient, and FEMA.
4. **Budget Changes.** Unanticipated adjustments are permitted within the approved total cost. However, if costs exceed the federal share, the Subrecipient must notify the Governor's Authorized Representative (GAR) of overruns before implementation. The GAR shall submit a written request for approval to FEMA Region IX. The subaward must continue to meet HMGP requirements, including cost effectiveness and cost share. Refer to 2 CFR 200.308 for additional information.
5. **Real Property and Land.** The acquisition, use, and disposition must comply with 2 CFR 200.311.
6. **Equipment.** The acquisition, use, and disposition must comply with 2 CFR 200.313.
7. **Supplies.** Upon project completion, FEMA must be compensated for unused supplies, exceeding \$5,000 (fair market value), and not needed for other federal programs. Refer to 2 CFR 200.314.
8. **Procurement.** Procurement procedures must be in conformance with 2 CFR 200.318-320.
9. **Monitoring and Reporting Program Performance.** The Recipient and Subrecipient must submit quarterly progress reports, as referenced in the 2 CFR 200.328 and State HMGP Administrative Plan.
10. **Records Retention.** In accordance with 2 CFR 200.333, financial/ programmatic records related to expenditures must be maintained at least 3 years after the date of Recipient's final expenditure report.
11. **Enforcement and Termination.** If the Recipient or Subrecipient fails to comply with the award or subaward terms, whether stated in a Federal statute or regulation, the State HMGP Administrative Plan, subapplication, a notice of award, an assurance, or elsewhere, FEMA may take one or more of the actions outlined in 2 CFR 200.338, including termination or partial termination of the award or subaward outlined in 2 CFR 200.339.
12. **Allowable Costs.** Funds are to be used for allowable costs in compliance with 2 CFR 200.403, the approved SOW, and any agreements among the Subrecipient, Recipient, and FEMA.

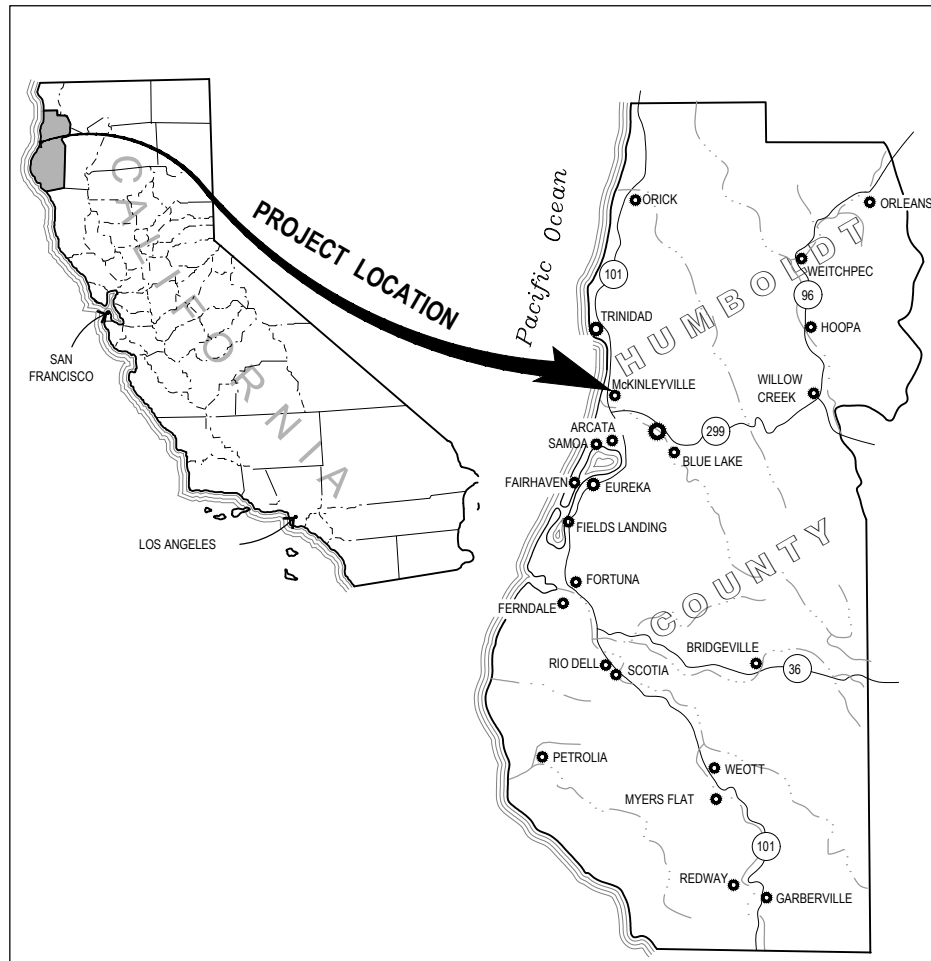
13. **Non-Federal Audit.** The Recipient and Subrecipient are responsible for obtaining audits in accordance with the Single Audit Act of 1984, in compliance with 2 CFR 200.501.
14. **Debarred and Suspended Parties.** Recipients and Subrecipients are subject to the non-procurement debarment and suspension regulations implementing Executive Orders 12549 and 12689, and 2 CFR 180. These regulations restrict federal financial assistance awards, subawards, and contracts with parties that are debarred, suspended, or otherwise excluded from or ineligible for participation in the federal assistance programs or activities.
15. **Equipment Rates.** Rates claimed for use of Subrecipient-owned equipment in excess of the FEMA-approved rates must be approved under State guidelines issued by the State Comptroller's Office or must be certified by the Recipient to include only those costs attributable to equipment usage less any fixed overhead and/or profit.
16. **Duplication of Funding between Public Assistance (PA) and HMGP.** Funding for PA Section 406 and HMGP Section 404 are permitted on the same facility/location, but the activities identified under each program must be distinct with separately accounted funds. At closeout, FEMA may adjust the funding to ensure the Subrecipient was reimbursed for eligible work from only one funding source.
17. **Historic Properties and Cultural Resources.** In compliance with 2 CFR 800, if a potential historic property or cultural resource is discovered during construction, the Subrecipient must cease work in the area and take all reasonable measures to avoid or minimize harm to the discovered property/resource. During construction, the Subrecipient will monitor ground disturbance activity, and if any potential archeological resources are discovered, will immediately cease work in that area, and notify the Recipient and FEMA. Construction in the area may resume with FEMA's written approval after FEMA's consultation, if applicable, with the State Historic Preservation Officer (SHPO).
18. **NEPA and Changes to the Scope of Work (SOW).** To comply with the National Environmental Policy Act (NEPA), and other Laws and Executive Orders, any change to the approved SOW shall be re-evaluated before implementation. Construction associated with a SOW change, prior to FEMA approval, may be ineligible for funding. Acceptance of federal funding requires environmental permits and clearances in compliance with all appropriate federal, state and local laws, and failure to comply may jeopardize funding.

Within their authority, the Recipient and Subrecipient must use of all practicable means, consistent with other essential policies, to create and maintain productive harmony for people and nature, and fulfill the social, economic, and other needs of present and future generations of Americans.

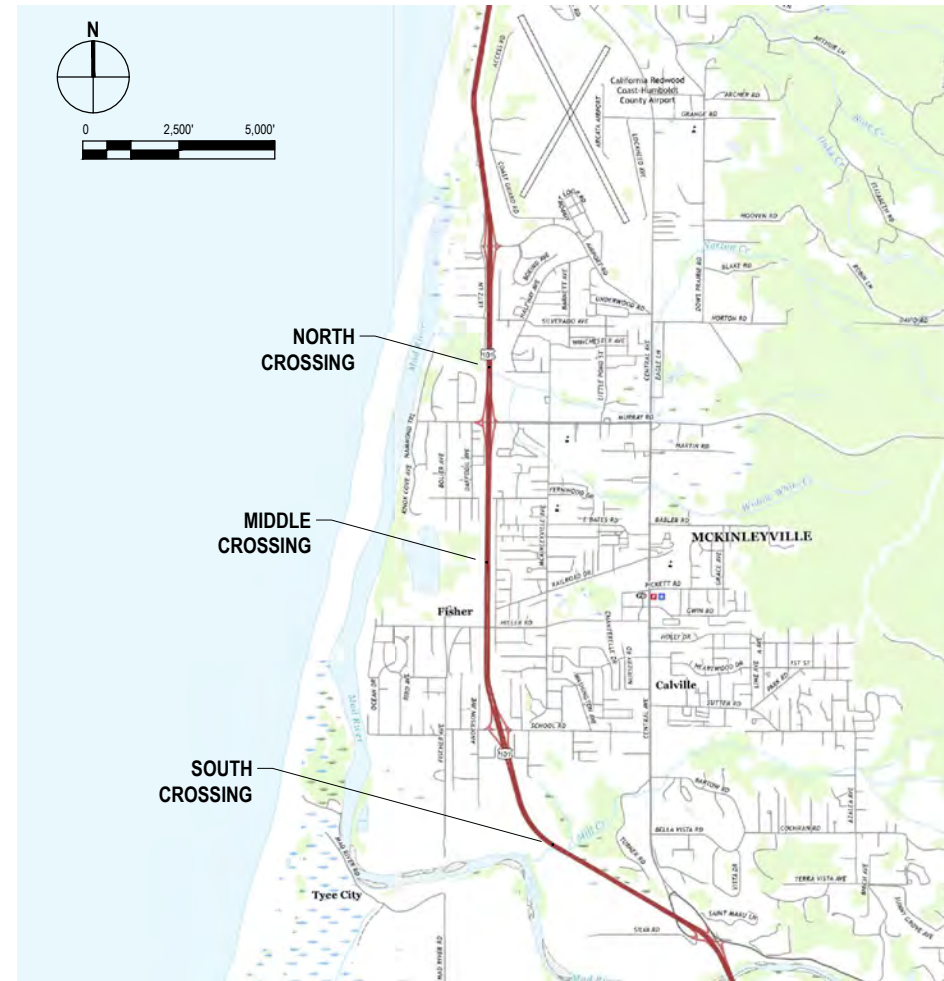
McKINLEYVILLE COMMUNITY SERVICES DISTRICT HIGHWAY SEWER CROSSING - PHASE 1

DECEMBER 2020

AREA MAP



LOCATION MAP



APPROVALS

GENERAL MANAGER

PATRICK KASPARI

SIGNED

BOARD OF DIRECTORS

DENNIS MAYO
DAVID COUCH
SCOTT BOWDER
GREG ORSINI
JOELLEN CLARK-PETERSON

PRESIDENT
VICE PRESIDENT
DIRECTOR
DIRECTOR
DIRECTOR

PATRICK SULLIVAN, PE

SIGNED

SHEET INDEX

| SHEET | SHEET NO. | SHEET TITLE |
|-------|-----------|---|
| 1 | G-001 | COVER SHEET |
| 2 | G-002 | ABBREVIATIONS, SYMBOLS, AND SHEET INDEX |
| 3 | G-003 | GENERAL NOTES |
| 4 | G-004 | PROJECT OVERVIEW |
| 5 | C-101 | STAGING AND ACCESS PLAN - NORTH CROSSING |
| 6 | C-102 | STAGING AND ACCESS PLAN - MIDDLE CROSSING |
| 7 | C-103 | STAGING AND ACCESS PLAN - SOUTH CROSSING |
| 8 | C-104 | PLAN AND PROFILE - NORTH CROSSING |
| 9 | C-105 | PLAN AND PROFILE - MIDDLE CROSSING |
| 10 | C-106 | PLAN AND PROFILE - SOUTH CROSSING |
| 11 | C-501 | CIVIL DETAILS 1 OF 4 |
| 12 | C-502 | CIVIL DETAILS 2 OF 4 |
| 13 | C-503 | CIVIL DETAILS 3 OF 4 |
| 14 | C-504 | CIVIL DETAILS 4 OF 4 |

30% DESIGN

| No. | Issue | Drawn | Approved | Date |
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Drawn D. SAUCEDO

Designer D. SAUCEDO

Drafting Check L. HALONEN

Design Check L. HALONEN

Project Manager P. SULLIVAN

Date

This document shall not be used for construction unless signed and sealed for construction.

Scale AS SHOWN

Client **MCKINLEYVILLE COMMUNITY SERVICES DISTRICT**
Project **HIGHWAY SEWER CROSSING - PHASE I**
Title **COVER SHEET**

Project No. **11216191**

Original Size **ANSI D**
Sheet No. **G-001**

ABBREVIATIONS

| | | | |
|---------|--|---------|--|
| AB | ANCHOR BOLT | M | METER |
| AB | AGGREGATE BASE | MAX | MAXIMUM |
| AC | ASPHALT CONCRETE | MFR | MANUFACTURER |
| AGG | AGGREGATE | MG | MILLION GALLON |
| APE | AREA OF POTENTIAL EFFECT | MH | MANHOLE |
| ARV | AIR VACUUM RELEASE VALVE | MIN | MINIMUM |
| AVE | AVENUE | MISC | MISCELLANEOUS |
| AWWA | AMERICAN WATER WORKS ASSOCIATION | MJ | MECHANICAL JOINT |
| | | MPBX | MULTI-POINT BOREHOLE EXTENSOMETER |
| B- | BORING | MPG | MEDIUM PRESSURE GAS |
| BC | BEGIN CURVE | (N) | NEW |
| BF | BLIND FLANGE | N | NORTH |
| BFP | BACK FLOW PREVENTER | NIC | NOT IN CONTRACT |
| BM | BENCH MARK | NO | NUMBER |
| BLDG | BUILDING | NTS | NOT TO SCALE |
| BLVD | BOULEVARD | | |
| BO | BLOW OFF | OC | ON CENTERS |
| BOT | BOTTOM | OPNG | OPENING |
| BVC | BEGIN VERTICAL CURVE | | |
| | | PC | POINT OF CURVATURE |
| C | CONDUIT | PCC | PORTLAND CONCRETE CEMENT |
| CB | CATCH BASIN | PE | POLYETHYLENE |
| CBC | CALIFORNIA BUILDING CODE | PI | POINT OF INTERSECTION |
| CI | CAST IRON | PL | PLATE, OR PROPERTY LINE |
| CL | CENTERLINE | PLCS | PLACES |
| CLR | CLEAR, CLEARANCE | PLWD | PLYWOOD |
| CO | CLEAN OUT | POC | POINT OF CONNECTION |
| CMP | CORRUGATED METAL PIPE | PP | POWER POLE |
| CMU | CONCRETE MASONRY UNIT | PRV | PRESSURE REDUCING VALVE |
| CONC | CONCRETE | PSI | POUNDS PER SQUARE INCH |
| CONT | CONTINUOUS | PT | POINT, POINT OF TANGENCY, OR PRESSURE TREATED |
| CONT'D | CONTINUED | PVC | POLYVINYL CHLORIDE PLASTIC PIPE |
| COR | CORNER | | |
| CU | CUBIC | R | RADIUS |
| CV | CHECK VALVE | RC | RELATIVE COMPACTION |
| | | RCP | REINFORCED CONCRETE PIPE |
| d | PENNY (NAIL SIZE) | RD | ROAD |
| DIA, Ø | DIAMETER | RDWD | REDWOOD |
| DTL | DETAIL | REQD | REQUIRED |
| DI | DROP (DRAINAGE) INLET, OR DUCTILE IRON | REQT | REQUIREMENT |
| DF | DOUGLAS FIR | RPP | REDUCED PRESSURE PRINCIPAL |
| DR | DRIVE | RT | RIGHT |
| DW | DOMESTIC WATER LINE | RW | RIGHT OF WAY |
| DWG | DRAWING | | |
| | | S | SLOPE |
| (E) | EXISTING | SAT | SATURATED |
| E | EAST, OR EASTING | SCH, OR | SCHEDULE |
| EA | EACH | SD | STORM DRAIN |
| EC | END CURVE | SDMH | STORM DRAIN MANHOLE |
| EF | EACH FACE | SDCB | STORM DRAIN CATCH BASIN |
| EP | EDGE PAVEMENT | SHT | SHEET |
| EQ | EQUAL | SIM | SIMILAR |
| ER | EDGE ROAD | SMP | SETTLEMENT MONITORING POINT |
| EL/ELEV | ELEVATION | SO | SOUTH |
| ELEC | ELECTRIC, OR ELECTRICAL | SOE | SUPPORT OF EXCAVATION |
| ENGR | ENGINEER | SS | SANITARY SEWER |
| EVC | END VERTICAL CURVE | SSCO | SANITARY SEWER CLEAN OUT |
| EW | EACH WAY | SSMH | SANITARY SEWER MANHOLE |
| | | SSTL | STAINLESS STEEL |
| (F) | FUTURE | STA | STATION |
| FDC | FIRE DEPARTMENT CONNECTION | STD | STANDARD |
| FIN | FINISH | STL | STEEL |
| FF | FINISH FLOOR | | |
| FG | FINISH GRADE | TC | TOP OF CURB |
| FH | FIRE HYDRANT | T, OR | FLOOR |
| FL | FLOW LINE | TEL | TELEPHONE |
| FLG | FLANGE | THK | THICK |
| FLR | FLOOR | TG | TOP OF GRATE |
| FM | FORCE MAIN | TP | TEST PIT, SEE GEOTECHNICAL DOCUMENTATION |
| FO | FIBER OPTIC | TS | TOP OF SLAB |
| FP | FIRE PROTECTION | TW | TOP OF WALL |
| FS | FINISHED SURFACE | TYP | TYPICAL |
| FT | FOOT, OR FEET | | |
| FTG | FOOTING | UBC | UNIFORM BUILDING CODE |
| | | UNO | UNLESS NOTED OTHERWISE |
| G | GAS LINE | UP | UTILITY POLE |
| GAL | GALLON | | |
| GALV | GALVANIZED | V | VOLT(S) |
| GR | GRADE | VERT | VERTICAL |
| GRD | GROUND | VWPZ | VIBRATING WIRE PIEZOMETER |
| GV | GATE VALVE | | |
| | | W/ | WITH |
| HB | HOSE BIBB | W | WATER |
| HCSB | HUMBOLDT COMMUNITY SERVICES DISTRICT | WD | WIDE |
| HDD | HORIZONTAL DIRECTIONAL DRILLING | WWTP | WASTEWATER TREATMENT PLANT |
| HDPE | HIGH-DENSITY POLYETHYLENE | | |
| HORZ | HORIZONTAL | XING | CROSSING |
| HPG | HIGH PRESSURE GAS | YD | YARD |
| HPNS | HIGH PRESSURE NATURAL GAS | | |
| HPS | HIGH PRESSURE SODIUM | & | AND |
| HWY | HIGHWAY | @ | AT |
| | | ° | DEGREE |
| IE | INVERT ELEVATION | Ø | DIAMETER |
| INC | INCLINOMETER | ' | FEET |
| INV | INVERT | * | INCHES |
| IP | IRON PIPE | # | NUMBER |
| IRR | IRRIGATION | ± | PLUS OR MINUS |
| | | | |
| JCT | JUNCTION | NOTE: | CONTACT ENGINEER FOR ABBREVIATIONS NOT LISTED. |
| JP | JUNCTION POLE (UTILITY) | | |
| | | | |
| L | LENGTH | | |
| LAT | LATERAL | | |
| LF | LINEAR FEET | | |
| LS | LIFT STATION | | |
| LT | LEFT | | |

PLAN SYMBOLS


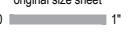

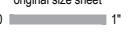

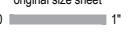
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|--|---------------------------|--|-----|----------------------------|
| | 6" CURB & GUTTER | | IRR | IRRIGATION BOX |
| | EDGE OF AC PAVEMENT | | GM | GAS METER |
| | 6" VERTICAL CURB | | GVO | GAS VALVE |
| | OVERHEAD WIRES | | WM | WATER METER |
| | OVERHEAD ELECTRIC WIRES | | WV | WATER VALVE |
| | OVERHEAD TELEPHONE WIRES | | WV | WATER VALVE |
| | UNDERGROUND ELECTRIC LINE | | + | FIRE HYDRANT |
| | ELECTRIC LINE | | + | FIRE DEPARTMENT CONNECTION |
| | STREET LIGHT CONDUIT | | + | WATER TAPPING SADDLE |
| | GAS LINE | | + | SANITARY SEWER MANHOLE |
| | SANITARY SEWER LINE | | + | SEWER MANHOLE |
| | SANITARY SEWER FORCE MAIN | | + | SANITARY SEWER CLEANOUT |
| | STORM DRAIN LINE | | + | SEWER LAMP HOLE |
| | SEAWATER SUPPLY | | + | SEWER VENT |
| | SEAWATER RETURN | | + | STORM DRAIN MANHOLE |
| | TELEPHONE LINE | | + | CATCH BASIN |
| | TELECOMMUNICATIONS | | + | CURB INLET |
| | LIGHTING CONDUIT | | + | DRAINAGE INLET |
| | TELEVISION LINE | | + | STORM DRAIN CLEANOUT |
| | WATER LINE | | + | RAIN WATER LEADER |
| | FIRE WATER MAIN | | + | ELECTRIC VAULT COVER |
| | IRRIGATION LINE | | + | ELECTRIC PULLBOX |
| | TRENCH DRAIN | | + | TELEVISION PULLBOX |
| | CHAIN LINK FENCE | | + | TELEPHONE PULLBOX |
| | FLOW LINE | | + | HIGH VOLTAGE ELECTRIC |
| | TOP OF BANK | | + | UNDERGROUND ELECTRIC VAULT |
| | CONTOUR ELEVATION LINE | | + | TELEPHONE MANHOLE |
| | CENTER LINE | | + | POWER POLE |
| | EXISTING PROPERTY LINE | | + | GUY WIRE & ANCHOR |
| | MONUMENT LINE | | + | JOINT POLE WITH (2) RISERS |
| | EXISTING EASEMENT LINE | | + | JOINT POLE |
| | FINISH GRADE | | + | STREET LIGHT |
| | SURFACE DRAINAGE SLOPE | | + | ELECTROLIER |
| | SPOT ELEVATION | | + | PEDESTRIAN LIGHT |
| | | | + | PEDESTRIAN PUSH BUTTON |
| | | | + | STREET LIGHT PULLBOX |
| | | | + | SIGN (AS NOTED) |

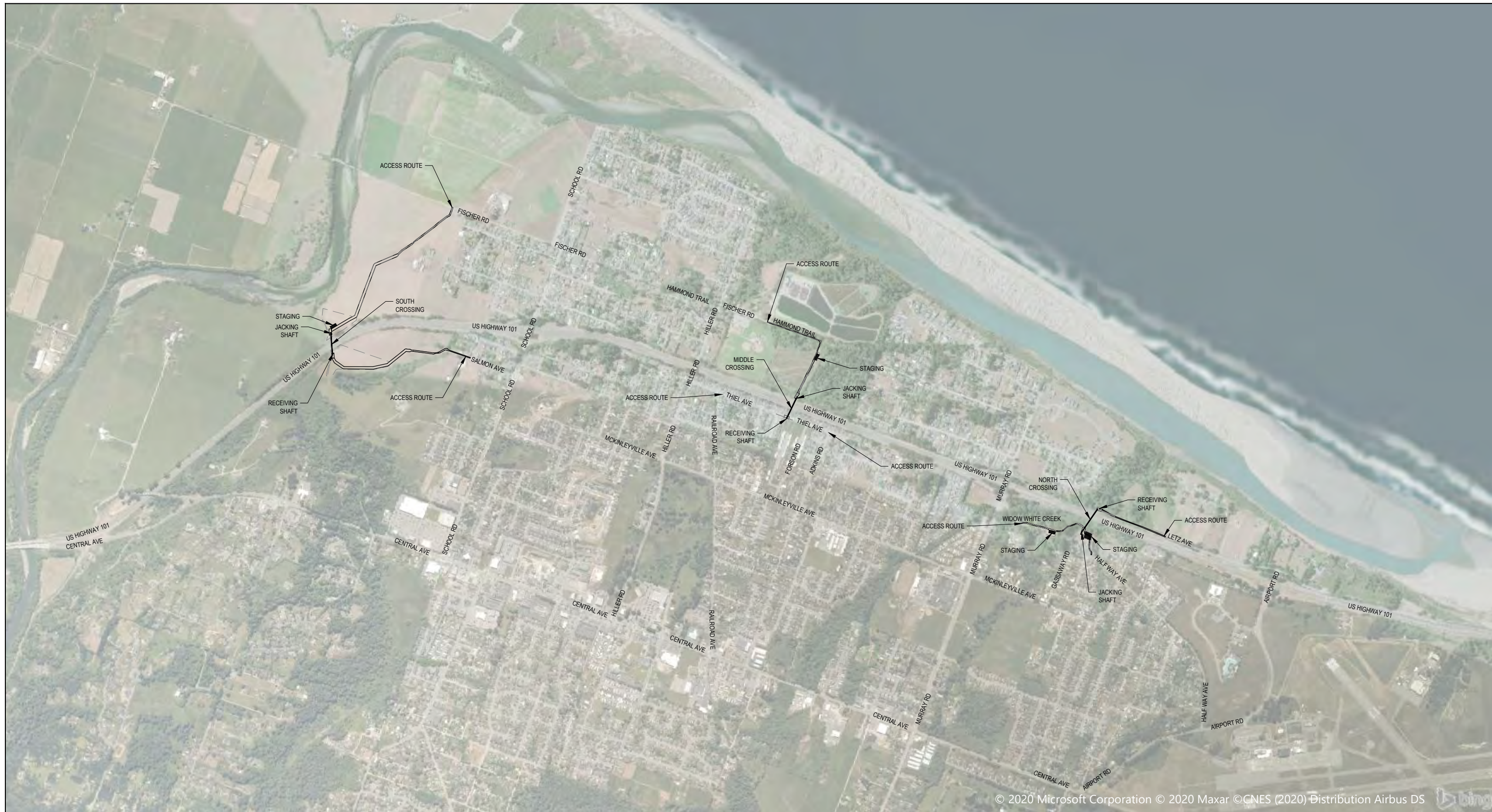
GENERAL SHEET SYMBOLS

| | | | |
|--|------------------|--|--|
| | KEYNOTE | | DETAIL OR SECTION NUMBER |
| | DEMOLITION NOTE | | TITLE |
| | | | SCALE |
| | | | SHEET ON WHICH DETAIL OR SECTION APPEARS |
| | | | SECTION NUMBER |
| | DETAIL NUMBER | | SECTION INDICATOR |
| | DETAIL INDICATOR | | SHEET ON WHICH DETAIL APPEARS |
| | | | SHEET ON WHICH SECTION APPEARS |

30% DESIGN

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| | | | | <p>Bar is one inch on original size sheet</p> | | | | | | <p>Drawn D. SAUCEDO Designer D. SAUCEDO</p> | | <p>Client MCKINLEYVILLE COMMUNITY SERVICES DISTRICT</p> | |
| <p>Reuse of Documents</p> <p>This document and the ideas and designs incorporated herein, as an instrument of professional service, is the property of GHD and shall not be reused in whole or in part for any other project without GHD's written authorization.</p> <p>© 2020 GHD</p> | | | | | | | | <p>Drafting Check L. HALONEN Design Check L. HALONEN</p> | | <p>Project HIGHWAY SEWER CROSSING - PHASE I</p> | | <p>Title ABBREVIATIONS, SYMBOLS, AND SHEET INDEX</p> | |
| | | | | | | | | <p>Project Manager P. SULLIVAN Date</p> | | <p>Project No. 11216191</p> | | <p>Original Size ANSI D Sheet No. G-002</p> | |
| | | | | | | | | <p>This document shall not be used for construction unless signed and sealed for construction.</p> | | <p>Scale AS SHOWN</p> | | <p>Sheet 2 of 14</p> | |

| GENERAL NOTES | UTILITY NOTES | VEGETATION PROTECTION AND RESTORATION NOTES | TRAFFIC CONTROL NOTES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|--|---|-------------------|-------------------------------------|-----------------|-------------------|------------------|---------------------------|------------------------------------|-----------------------------------|------------------------------------|-----------------------------|---------------------------|--------------------------------|--|---------------------------------------|--|--------|---|---------------|--------|-----------|---|-------|-----------------|-------|----------------------|-------|----------------|-------------|-----------------|--|--|---------------|--------|-----------|--------------|-------|-----------------|--|--|-------|----------------|--|--|
| <ol style="list-style-type: none"> PROJECT REQUIRES A CLASS A GENERAL ENGINEERING CONTRACTOR'S LICENSE IN THE STATE OF CALIFORNIA. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO THE COMMENCEMENT OF WORK AND REPORT ANY DISCREPANCIES TO THE ENGINEER. CONTRACTOR IS RESPONSIBLE FOR VISITING THE SITE AND BECOMING FAMILIAR WITH THE SITE CONDITIONS PRIOR TO BIDDING. IT IS EXPECTED THAT THE ACTUAL LOCATION OF EXISTING UTILITIES MAY VARY FROM THAT SHOWN ON THE PLANS. CONTRACTOR SHALL POTHOLE AND LOCATE ALL EXISTING UTILITIES. VARIATIONS IN LOCATION AND DEPTH SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER IMMEDIATELY SO THAT THE LOCATION OF UTILITIES MAY BE CHECKED WITH THE PROPOSED DESIGN. CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT PRIOR TO WORK COMMENCING FOR ANY EXCAVATION OR POTHOLING. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING THAT NEW FEATURES TIE INTO EXISTING SITE DEVELOPMENT. PIPE JOINTS MATCH CORRECTLY, AND THAT GENERAL DESIGN ELEVATIONS FOR NEW CONSTRUCTION PROVIDE PROPER DRAINAGE SLOPES FROM EXISTING TIE IN POINTS. REPORT DISCREPANCIES TO ENGINEER PRIOR TO CONSTRUCTION. THE DESIGN FEATURES INCLUDING HORIZONTAL AND VERTICAL ALIGNMENTS, TYPICAL SECTIONS, APPROACHES, AND OTHER DESIGN DETAILS SHOWN ON THESE DESIGN PLANS SHALL NOT BE ALTERED OR MODIFIED IN ANY WAY DURING CONSTRUCTION WITHOUT THE EXPRESSED, WRITTEN DIRECTION AND APPROVAL OF THE ENGINEER. UPON COMPLETION OF THE CONSTRUCTION PROJECT, THE CONTRACTOR SHALL LEAVE THE PROJECT AREA AND THE EXISTING ACCESS ROAD FREE OF DEBRIS AND UNUSED MATERIAL. ALL DAMAGE CAUSED BY THE CONTRACTOR SHALL BE RESTORED TO AN "AS GOOD OR BETTER" CONDITION. CONTRACTOR TO MAINTAIN TRAFFIC (VEHICULAR AND PEDESTRIAN) ACCESS TO ALL AREAS OF PUBLIC RIGHT-OF-WAY AT ALL TIMES. CONTRACTOR TO COORDINATE ANY PROPOSED SHUT DOWNS WITH OWNER. CONTRACTOR SHALL CONTACT THE ENGINEER AND OWNER TO COORDINATE WITH THE OWNER'S REPRESENTATIVE TO HAVE THE OPPORTUNITY TO BE PRESENT DURING ANY GROUND DISTURBING ACTIVITIES. IN THE EVENT CULTURAL RESOURCES (I.E., HISTORICAL, ARCHAEOLOGICAL, AND PALEONTOLOGICAL RESOURCES, AND HUMAN REMAINS) ARE DISCOVERED DURING GRADING OR OTHER CONSTRUCTION ACTIVITIES, WORK SHALL BE HALTED WITHIN A 100 FOOT RADIUS OF THE FIND. A QUALIFIED ARCHEOLOGIST SHALL BE CONSULTED FOR AN ON-SITE EVALUATION. ADDITIONAL MITIGATION MAY BE REQUIRED BY THE COUNTY PER THE ARCHEOLOGISTS RECOMMENDATIONS. IF HUMAN BURIALS OR HUMAN REMAINS ARE ENCOUNTERED, THE CONTRACTOR SHALL ALSO NOTIFY THE COUNTY CORONER. MATERIAL NOT SUITABLE FOR REUSE SHALL BE REMOVED FROM SITE AND DISPOSED OF IN A MANNER CONSISTENT WITH APPLICABLE REGULATIONS. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY AND EXPENSE FOR LEGAL DISPOSAL OF ALL MATERIALS TAKEN FROM SITE. CONTRACTOR SHALL NOTIFY THE ENGINEER AND OWNER TWO (2) WEEKS PRIOR TO ANY CONSTRUCTION ACTIVITIES SO THAT THE OWNER-SUPPLIED BIOLOGICAL MONITOR CAN SURVEY THE AREA FOR MIGRATORY NESTING BIRDS. | <ol style="list-style-type: none"> LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE PLOTTED FROM INFORMATION AVAILABLE AND INTERPOLATION OF PHYSICAL EVIDENCE ON THE SITE AND ARE SUBJECT TO FIELD VERIFICATION BY THE CONTRACTOR. SEE GENERAL SITE NOTES 1 AND 2. ALL LOCATIONS FOR WORK SHALL BE CHECKED AND COORDINATED WITH EXISTING CONDITIONS IN THE FIELD BEFORE BEGINNING CONSTRUCTION. THE DRAWINGS ARE GENERALLY DIAGRAMMATIC. THEY DO NOT SHOW EVERY OFFSET, BEND OR ELBOW REQUIRED FOR INSTALLATION IN THE SPACE PROVIDED. THEY DO NOT SHOW EVERY DIMENSION, COMPONENT PIECE, OR FITTING REQUIRED TO COMPLETE THE PROJECT. CONTRACTOR IS RESPONSIBLE FOR PROVIDING A COMPLETE AND WORKING SYSTEM. CONTRACTOR SHALL COORDINATE A UTILITY LOCATE 72 HOURS PRIOR TO BEGINNING ANY UTILITY CONSTRUCTION FOR LOCATION MARK-UP OF ALL EXISTING UTILITIES. CONTRACTOR SHALL COORDINATE THE UTILITY LOCATE WITH THE OWNER FOR ALL UTILITY WORK. INFORM OWNER IMMEDIATELY IF LOCATE INDICATES THAT EXISTING UTILITIES ARE DIFFERENT THAN SHOWN ON DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR POTHOLING ALONG THE ALIGNMENTS OF ALL NEW UTILITIES TO IDENTIFY POTENTIAL UTILITY CONFLICTS, SOILS CONDITIONS, AND TIE-IN POINTS. CONTRACTOR RESPONSIBLE FOR MAKING ADJUSTMENTS IN ALIGNMENTS TO ACCOMMODATE ACTUAL FIELD CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO UTILITIES, FEATURES, AND STRUCTURES LOCATED ON THE SITE. LOCATE, PROTECT, AND AVOID DISRUPTION OF ALL ABOVE AND BELOW GRADE UTILITIES DURING CONSTRUCTION. ALL UTILITY CONSTRUCTION SHALL CONFORM TO THE LATEST EDITION OF THE CALIFORNIA PLUMBING CODE (CPC). ALL BURIED LINES TO HAVE 36 INCHES MINIMUM COVER, UNLESS NOTED OTHERWISE. SEE TRENCH DETAIL SHEET C-501. THRUST BLOCKING REQUIRED ON ALL PRESSURE LINES BENDS AND FITTINGS. SEE STANDARD THRUST BLOCKING DETAIL. ALL EXISTING UTILITIES AND TIE-IN POINTS SHOULD BE CONSIDERED ACTIVE UTILITIES UNLESS OTHERWISE INDICATED. CONFIRM ALL UTILITY VALVE VAULTS, VALVES, METERS, BACKFLOW PREVENTION ASSEMBLIES, AND OTHER PUBLIC UTILITY APPURTENANCES IN THE RIGHT-OF-WAY WITH THE UTILITY OWNERS. PROVIDE POLYETHYLENE ENCASUREMENT FOR ALL BURIED DUCTILE IRON PIPE PER AWWA C105. ALL BOLTS USED FOR UNDERGROUND CONNECTIONS SHALL BE STAINLESS STEEL. ALL CORROSION PROTECTION SHALL BE IN PLACE. ALL BOLTED JOINT ACCESSORIES SHALL BE CLEANED AND THOROUGHLY COATED WITH ASPHALT OR OTHER CORROSION-RETARDING MATERIAL AFTER INSTALLATION. CONTRACTOR TO VERIFY SIZE, TYPE, AND LOCATION OF ALL INTERCONNECTIONS AND PROVIDE COUPLERS AND TRANSITION FITTINGS AS NECESSARY. CONTRACTOR MAY PROPOSE ALTERNATIVE FITTING TYPES AND CONFIGURATIONS. CONTRACTOR SHALL MAINTAIN UTILITY MINIMUM WATER AND SEWER HORIZONTAL AND VERTICAL SEPARATIONS AS REQUIRED BY THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES. SEE SEPARATION CRITERIA DETAIL ON SHEET C-501. | <ol style="list-style-type: none"> NO CUTTING OF ANY PART OF TREES, INCLUDING ROOTS, SHALL BE DONE OUTSIDE LIMITS OF DISTURBANCE WITHOUT SECURING APPROVAL FROM ENGINEER AND OWNER. DISPOSAL OF TREES SHALL NOT INCLUDE SALE, BARTER, TRADE, OR EXCHANGE BY THE OWNER, THE OWNER'S CONTRACTOR, OR ANY SUCCESSORS. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE MINIMUM AMOUNT OF TREES REQUIRED TO CONSTRUCT THE PROJECT. WHEN CONSTRUCTION OCCURS WITHIN DRIP LINE ON EXISTING TREES, CONTRACTOR IS TO PILE THE SOIL ON THE SIDE AWAY FROM THE TREE. WHEN THIS IS NOT POSSIBLE, PLACE SOIL ON PLYWOOD, A TARP, OR THICK BED OF MULCH. THIS IS TO HELP PREVENT CUTTING INTO THE SOIL SURFACE WHEN THE BACKHOE OR TRACTOR BLADE REFILLS THE TRENCH. REFILL OPEN TRENCHES QUICKLY WITHIN HOURS OF EXCAVATION WHEN THEY OCCUR WITHIN THE DRIP LINE OF EXISTING TREES. IF THIS IS NOT POSSIBLE AND WEATHER IS HOT, DRY, OR WINDY, CONTRACTOR MUST KEEP ROOT ENDS MOIST BY COVERING THEM WITH WET BURLAP. IF TEMPERATURE IS 80°F OR GREATER, THE BURLAP MUST BE INSPECTED EVERY HOUR AND RE-WET AS NECESSARY TO MAINTAIN A CONSTANT COOL MOIST CONDITION. IF TEMPERATURE IS BELOW 80°, THE BURLAP MUST BE INSPECTED EVERY FOUR HOURS AND RE-WET AS NECESSARY TO MAINTAIN A CONSTANT COOL MOIST CONDITION. SMALL ROOTS CAN DRY OUT AND DIE IN 10-15 MINUTES. LARGER ROOTS CAN SUCCUMB IN AN HOUR OR LESS UNDER UNFAVORABLE WEATHER CONDITIONS. WHEN ROOTS 2" OR LARGER MUST BE CUT, SHOVEL BY HAND NEAR THE ROOTS AND SAW THE ROOTS. ACCIDENTALLY BROKEN ROOTS SHOULD BE SAWED A COUPLE OF INCHES BEHIND THE RAGGED END. CRUSHED OR TORN ROOTS ARE MORE LIKELY TO ALLOW DECAY TO BEGIN; SHARPLY CUT ROOTS PRODUCE A FLUSH OF NEW ROOTS HELPING THE TREE TO RECOVER FROM ITS INJURY. MATERIALS, EQUIPMENT, TEMPORARY BUILDINGS, FUELS, PAINTS AND OTHER CONSTRUCTION ITEMS ARE NOT TO BE PLACED WITHIN THE DRIP LINE OF EXISTING TREES. GRADING SHOULD NOT CREATE DRAINAGE PROBLEMS FOR TREES BY CHANNELING WATER INTO THEM, OR CREATING SUNKEN AREAS. LANDSCAPING THAT IS REMOVED TO FACILITATE CONSTRUCTION SHALL BE REPLACED IN KIND. | <ol style="list-style-type: none"> THE CONTRACTOR SHALL PREPARE A DETAILED TRAFFIC CONTROL PLAN FOR ALL WORK AREAS, AND SHALL SUBMIT THE PLAN TO THE ENGINEER FOR APPROVAL AT THE PRECONSTRUCTION MEETING. THE TRAFFIC CONTROL PLAN SHALL COMPLY WITH ALL REQUIRED PERMITS (INCLUDING STATE AND COUNTY ENCROACHMENT PERMITS) AND OTHER GUIDELINES LISTED ON THESE PLANS AND IN THE SPECIFICATIONS. THE CONTRACTOR SHALL KEEP ONE LANE OF TRAFFIC OPEN THROUGH THE WORK AREA AT ALL TIMES. NO LANE CLOSURES IN STATE HIGHWAY RIGHT-OF-WAY ARE ALLOWED. THE CONTRACTOR SHALL COORDINATE WITH ALL PROPERTY OWNERS POTENTIALLY AFFECTED BY CONTRACTOR'S CONSTRUCTION PLANS. TRAFFIC CONTROL PLAN SHALL SHOW HOW ACCESS TO THE PROPERTIES WILL BE MAINTAINED THROUGHOUT THE PROJECT. CONTRACTOR SHALL CONDUCT OPERATION AS TO OFFER THE LEAST POSSIBLE OBSTRUCTION AND INCONVENIENCE TO THE PUBLIC, AND SHALL HAVE UNDER CONSTRUCTION NO GREATER AMOUNT OF WORK THAN CAN PROSECUTE PROPERLY WITH DUE RESPECT TO THE RIGHTS OF THE PUBLIC. THE CONTRACTOR SHALL NOTIFY ALL AFFECTED PARTIES 72-HOURS PRIOR TO ANY AUTHORIZED LANE OR DRIVEWAY CLOSURES. WORK SHALL BE ACCOMPLISHED IN SUCH A MANNER AS TO PROVIDE ACCESS TO ALL INTERSECTING STREETS AND ADJACENT PROPERTIES WHENEVER POSSIBLE. ACCESS TO PRIVATE PROPERTY SHALL BE MAINTAINED AT ALL TIMES TO THE EXTENT PRACTICABLE. ANY ACCESS RESTRICTIONS SHALL BE APPROVED IN ADVANCE BY THE ENGINEER. NO FULL ROAD CLOSURES WILL BE ALLOWED. THE CONTRACTOR SHALL BE PREPARED TO REMOVE CLOSURES AND PROVIDE EMERGENCY VEHICLE ACCESS AT ALL TIMES. THE CONTRACTOR WILL NOT BE ENTITLED TO COMPENSATION FOR THE DELAYS OF WORK RESULTING FROM A CLOSURE NEEDING TO BE OPENED IN ORDER TO PROVIDE EMERGENCY VEHICLE ACCESS. ANY ACCESS RESTRICTIONS SHALL BE APPROVED IN ADVANCE BY THE ENGINEER. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p align="center">GRADING NOTES</p> | <p align="center">HAZARDOUS MATERIAL NOTES</p> | <p align="center">EROSION CONTROL NOTES</p> | <p align="center">MCKINLEYVILLE COMMUNITY SERVICES DISTRICT NOTES</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <ol style="list-style-type: none"> THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL TOPOGRAPHIC DATA. CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING RIGHT-OF-WAY LINES, SLOPE EASMENTS, AND ALL HORIZONTAL AND VERTICAL CONTROL PRIOR TO CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION STAKING AND SHALL ARRANGE FOR STAKING WITH A LICENSED SURVEYOR. STAKING WILL BE REVIEWED BY OWNER FOR CONFIRMATION TO DESIGN PRIOR TO CONSTRUCTION. THE NATURE AND EXTENT OF STAKING SHALL BE AS PER CONTRACTOR'S MEANS AND METHODS. ALL GRADES BETWEEN SPOT ELEVATIONS SHALL HAVE UNIFORM SLOPE UNLESS OTHERWISE INDICATED. MAINTAIN POSITIVE DRAINAGE AWAY FROM ALL BUILDING WALLS AND DOORS. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF ALL CONSTRUCTION. ADEQUATE SHORING BRACING, TIES, AND SUPPORTS SHALL BE USED TO PROVIDE PROPER TEMPORARY INTEGRITY DURING ALL PHASES OF CONSTRUCTION. ALL EXISTING LANDSCAPED AND UNPAVED AREAS WHICH ARE DISTURBED BY CONSTRUCTION OR EARTHWORK OPERATIONS SHALL BE HAND RAKED SMOOTH, DEBRIS REMOVED, RESEEDED AND RETURNED TO ORIGINAL EXISTING CONDITIONS. ALL DITCHES, SWALES, GUTTERS, ETC. SHOULD BE CONSIDERED ACTIVE STORM CONVEYANCES UNLESS OTHERWISE INDICATED. CONTRACTOR IS RESPONSIBLE FOR ADDRESSING STORM WATER DRAINAGE AND DEWATERING OF WORK AREAS DURING CONSTRUCTION. DURING WET WEATHER PERIODS, CONTRACTOR IS RESPONSIBLE FOR SEQUENCING CONSTRUCTION IN A MANNER TO MINIMIZE IMPACT ON OPEN EARTHWORK AND COMPACTION OPERATIONS. COMPLETELY COVER ANY SOIL STOCKPILES WITH 6 MIL BLACK PLASTIC AND PROVIDE RESTRAINTS TO HOLD PLASTIC IN PLACE. MONITOR PLASTIC COVER AS PART OF CONTINUOUS EROSION CONTROL PLAN. PLACE SILT FENCE COMPLETELY AROUND STOCKPILE. | <ol style="list-style-type: none"> CONTRACTOR TO PROPERLY HANDLE AND DISPOSE OF HAZARDOUS MATERIALS. EXISTING HAZARDOUS MATERIALS BELIEVED TO OCCUR ON SITE INCLUDES BUT IS NOT LIMITED TO ASBESTOS MATERIALS AND PIPING. | <ol style="list-style-type: none"> AT A MINIMUM, THE CONTRACTOR SHALL EMPLOY THE FOLLOWING BEST MANAGEMENT PRACTICES (BMPs) AS DESCRIBED IN THE CURRENT CALIFORNIA STORMWATER BMP HANDBOOK FOR CONSTRUCTION (WWW.CASQA.ORG): <table border="0" data-bbox="1678 776 2268 927"> <tr> <td>EC-1 SCHEDULING</td> <td>NS-9 VEHICLE EQUIPMENT AND FUELING</td> </tr> <tr> <td>EC-2 PRESERVATION OF EXISTING VEGETATION</td> <td>NS-10 VEHICLE & EQUIPMENT MAINTENANCE</td> </tr> <tr> <td>EC-4 HYDROSEEDING</td> <td>WM-1 MATERIALS DELIVERY AND STORAGE</td> </tr> <tr> <td>SE-1 SILT FENCE</td> <td>WM-2 MATERIAL USE</td> </tr> <tr> <td>SE-5 FIBER ROLLS</td> <td>WM-3 STOCKPILE MANAGEMENT</td> </tr> <tr> <td>SE-7 STREET SWEEPING AND VACUUMING</td> <td>WM-4 SPILL PREVENTION AND CONTROL</td> </tr> <tr> <td>SE-10 STORM DRAIN INLET PROTECTION</td> <td>WM-5 SOLID WASTE MANAGEMENT</td> </tr> <tr> <td>WE-1 WIND EROSION CONTROL</td> <td>WM-8 CONCRETE WASTE MANAGEMENT</td> </tr> <tr> <td>NS-3 PAVING AND GRINDING OPERATIONS</td> <td>WM-9 SANITARY/SEPTIC WASTE MANAGEMENT</td> </tr> </table> IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MINIMIZE EROSION AND PREVENT THE TRANSPORT OF SEDIMENT TO SENSITIVE AREAS. SUFFICIENT EROSION CONTROL SUPPLIES SHALL BE AVAILABLE ON-SITE AT ALL TIMES TO DEAL WITH AREAS SUSCEPTIBLE TO EROSION DURING RAIN EVENTS. MINIMIZE DISTURBANCE OF EXISTING VEGETATION TO THAT NECESSARY TO COMPLETE THE WORK. THE CONTRACTOR SHALL MAKE ADEQUATE PREPARATIONS, INCLUDING TRAINING & EQUIPMENT, TO CONTAIN SPILLS OF OIL AND OTHER HAZARDOUS MATERIALS. ACTIVITIES SUCH AS VEHICLE WASHING ARE TO BE CARRIED OUT AT AN OFF-SITE FACILITY WHEREIN THE WATER IS DISCHARGED INTO A SANITARY SEWER. THE CONTRACTOR SHALL PROVIDE COVERED WASTE RECEPTACLE FOR COMMON SOLID WASTES AT CONVENIENT LOCATIONS ON THE JOB SITE AND PROVIDE REGULAR COLLECTION OF WASTES. THE CONTRACTOR SHALL PROVIDE SANITARY FACILITIES OF SUFFICIENT NUMBER AND SIZE TO ACCOMMODATE CONSTRUCTION CREWS AND ENSURE ADEQUATE ANCHORAGE OF SUCH FACILITIES TO PREVENT THEM FROM BEING TIPPED BY THE WEATHER OR VANDALISM. APPROPRIATE STORAGE AND DISPOSAL OF WATER FROM DEWATERING OPERATIONS SHALL BE EXERCISED IN THE EVENT THAT ACCUMULATED WATER MUST BE REMOVED FROM A WORK LOCATION. COVERED AND SECURED STORAGE AREAS FOR POTENTIALLY TOXIC MATERIALS SHALL BE PROVIDED. ALL HAZARDOUS MATERIAL CONTAINERS SHOULD BE PLACED IN SECONDARY CONTAINMENT. VEHICLE AND EQUIPMENT & MAINTENANCE SHOULD BE PERFORMED OFF-SITE WHENEVER PRACTICAL. SOIL STOCKPILES SHALL BE COVERED, AND LOCATED AT LEAST 50 FEET AWAY FROM DRAINAGE CHANNELS AND STORMWATER SYSTEMS. CONTRACTOR MUST ENSURE THAT THE CONSTRUCTION SITE IS PREPARED PRIOR TO THE ONSET OF ANY STORM. ALL SEDIMENT DEPOSITED ON PAVED SURFACES SHALL BE SWEEPED AT THE END OF EACH WORKING DAY, AS NECESSARY OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE. A STABILIZED CONSTRUCTION ENTRANCE MAY BE REQUIRED TO PREVENT SEDIMENT FROM BEING DEPOSITED ON PAVED ROADWAYS. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED IN ACCORDANCE TO THEIR RESPECTIVE BMP FACT SHEET UNTIL DISTURBED AREAS ARE STABILIZED. THIS PLAN MAY NOT COVER ALL THE SITUATIONS THAT ARISE DURING CONSTRUCTION DUE TO UNANTICIPATED FIELD CONDITIONS. VARIATIONS MAY BE MADE TO THE PLAN IN THE FIELD SUBJECT TO THE APPROVAL OF OR AT THE DIRECTION OF THE OWNER'S PROJECT MANAGER. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FIX ANY DEFICIENCIES INDICATED BY THE OWNER OR THE TRIBE'S PROJECT MANAGER TO PREVENT EROSION AND CONTROL SEDIMENT. PRIOR TO FINAL ACCEPTANCE ALL DISTURBED AREAS OF THE SITE SHALL BE PERMANENTLY STABILIZED WITH HYDROSEED BY CONTRACTOR AND TEMPORARY SEDIMENT CONTROL MEASURES SHALL BE REMOVED AS DIRECTED. | EC-1 SCHEDULING | NS-9 VEHICLE EQUIPMENT AND FUELING | EC-2 PRESERVATION OF EXISTING VEGETATION | NS-10 VEHICLE & EQUIPMENT MAINTENANCE | EC-4 HYDROSEEDING | WM-1 MATERIALS DELIVERY AND STORAGE | SE-1 SILT FENCE | WM-2 MATERIAL USE | SE-5 FIBER ROLLS | WM-3 STOCKPILE MANAGEMENT | SE-7 STREET SWEEPING AND VACUUMING | WM-4 SPILL PREVENTION AND CONTROL | SE-10 STORM DRAIN INLET PROTECTION | WM-5 SOLID WASTE MANAGEMENT | WE-1 WIND EROSION CONTROL | WM-8 CONCRETE WASTE MANAGEMENT | NS-3 PAVING AND GRINDING OPERATIONS | WM-9 SANITARY/SEPTIC WASTE MANAGEMENT | <p align="center">30% DESIGN</p> <table border="1" data-bbox="2377 1764 3030 1945"> <tr> <td>Client</td> <td colspan="3">MCKINLEYVILLE COMMUNITY SERVICES DISTRICT</td> </tr> <tr> <td>Project</td> <td colspan="3">HIGHWAY SEWER CROSSING - PHASE I</td> </tr> <tr> <td>Title</td> <td colspan="3">GENERAL NOTES</td> </tr> <tr> <td>Project No.</td> <td colspan="3">11216191</td> </tr> <tr> <td>Original Size</td> <td>ANSI D</td> <td>Sheet No.</td> <td>G-003</td> </tr> <tr> <td>Scale</td> <td colspan="3">AS SHOWN</td> </tr> <tr> <td>Sheet</td> <td colspan="3">3 of 14</td> </tr> </table> | Client | MCKINLEYVILLE COMMUNITY SERVICES DISTRICT | | | Project | HIGHWAY SEWER CROSSING - PHASE I | | | Title | GENERAL NOTES | | | Project No. | 11216191 | | | Original Size | ANSI D | Sheet No. | G-003 | Scale | AS SHOWN | | | Sheet | 3 of 14 | | |
| EC-1 SCHEDULING | NS-9 VEHICLE EQUIPMENT AND FUELING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EC-2 PRESERVATION OF EXISTING VEGETATION | NS-10 VEHICLE & EQUIPMENT MAINTENANCE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EC-4 HYDROSEEDING | WM-1 MATERIALS DELIVERY AND STORAGE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SE-1 SILT FENCE | WM-2 MATERIAL USE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SE-5 FIBER ROLLS | WM-3 STOCKPILE MANAGEMENT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SE-7 STREET SWEEPING AND VACUUMING | WM-4 SPILL PREVENTION AND CONTROL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SE-10 STORM DRAIN INLET PROTECTION | WM-5 SOLID WASTE MANAGEMENT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WE-1 WIND EROSION CONTROL | WM-8 CONCRETE WASTE MANAGEMENT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NS-3 PAVING AND GRINDING OPERATIONS | WM-9 SANITARY/SEPTIC WASTE MANAGEMENT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Sheet | 3 of 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p align="center">SURVEY NOTES</p> <ol style="list-style-type: none"> ORIGINAL TOPOGRAPHIC SURVEY WAS PERFORMED BY POINTS WEST SURVEYING CO., DATED NOVEMBER 2020. HORIZONTAL CONTROL IS NAD83 (2011) CALIFORNIA STATE PLANE ZONE 1, FEET. VERTICAL CONTROL IS NORTH AMERICAN VERTICAL DATUM 1988. | <table border="1" data-bbox="901 1774 1367 1945"> <tr> <td align="center">  </td> <td align="center"> <p>Bar is one inch on original size sheet</p>  </td> </tr> <tr> <td colspan="2"> <p>Reuse of Documents</p> <p>This document and the ideas and designs incorporated herein, as an instrument of professional service, is the property of GHD and shall not be reused in whole or in part for any other project without GHD's written authorization.</p> <p>© 2020 GHD</p> </td> </tr> </table> |  | <p>Bar is one inch on original size sheet</p>  | <p>Reuse of Documents</p> <p>This document and the ideas and designs incorporated herein, as an instrument of professional service, is the property of GHD and shall not be reused in whole or in part for any other project without GHD's written authorization.</p> <p>© 2020 GHD</p> | | <table border="1" data-bbox="1647 1774 2299 1945"> <tr> <td>Drawn</td> <td>D. SAUCEDO</td> <td>Designer</td> <td>D. SAUCEDO</td> </tr> <tr> <td>Drafting Check</td> <td>L. HALONEN</td> <td>Design Check</td> <td>L. HALONEN</td> </tr> <tr> <td>Project Manager</td> <td>P. SULLIVAN</td> <td>Date</td> <td></td> </tr> <tr> <td colspan="4"> <p>This document shall not be used for construction unless signed and sealed for construction.</p> </td> </tr> </table> | Drawn | D. SAUCEDO | Designer | D. SAUCEDO | Drafting Check | L. HALONEN | Design Check | L. HALONEN | Project Manager | P. SULLIVAN | Date | | <p>This document shall not be used for construction unless signed and sealed for construction.</p> | | | | <table border="1" data-bbox="2377 1774 3030 1945"> <tr> <td>Original Size</td> <td>ANSI D</td> <td>Sheet No.</td> <td>G-003</td> </tr> <tr> <td>Scale</td> <td colspan="3">AS SHOWN</td> </tr> <tr> <td>Sheet</td> <td colspan="3">3 of 14</td> </tr> </table> | Original Size | ANSI D | Sheet No. | G-003 | Scale | AS SHOWN | | | Sheet | 3 of 14 | | | | | | | | | | | | | | | | |
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| Drafting Check | L. HALONEN | Design Check | L. HALONEN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Manager | P. SULLIVAN | Date | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Sheet | 3 of 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

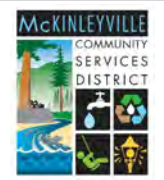


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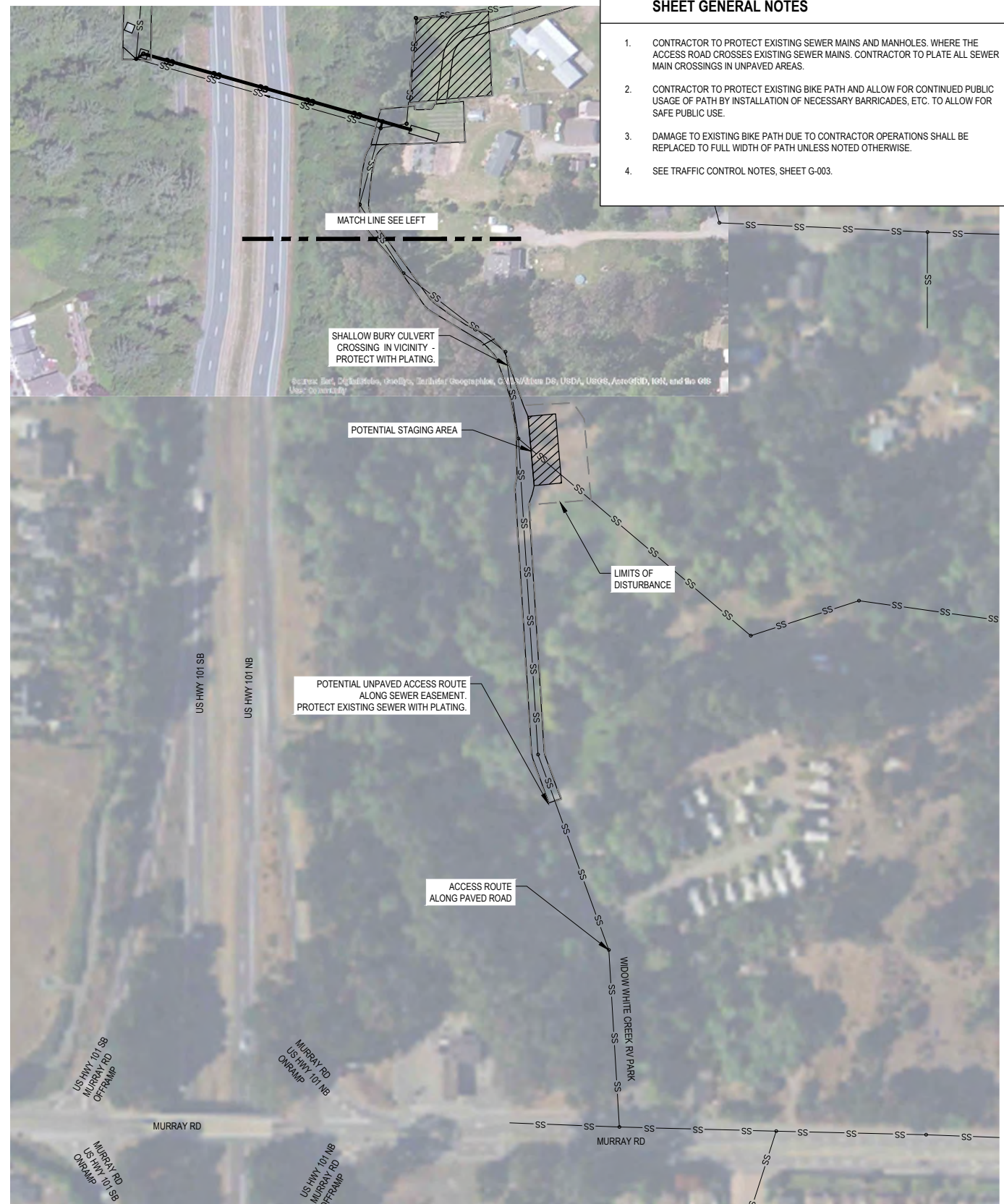
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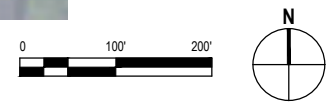
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| Client | MCKINLEYVILLE COMMUNITY SERVICES DISTRICT | | |
| Project | HIGHWAY SEWER CROSSING - PHASE I | | |
| Title | PROJECT OVERVIEW | | |
| Project No. | 11216191 | | |
| Original Size | ANSI D | | |
| Sheet No. | G-004 | | |
| | | Sheet | 4 of 14 |

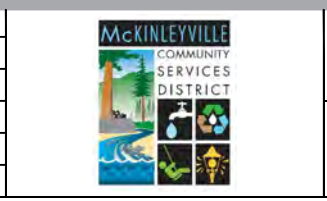


- SHEET GENERAL NOTES**
1. CONTRACTOR TO PROTECT EXISTING SEWER MAINS AND MANHOLES. WHERE THE ACCESS ROAD CROSSES EXISTING SEWER MAINS. CONTRACTOR TO PLATE ALL SEWER MAIN CROSSINGS IN UNPAVED AREAS.
 2. CONTRACTOR TO PROTECT EXISTING BIKE PATH AND ALLOW FOR CONTINUED PUBLIC USAGE OF PATH BY INSTALLATION OF NECESSARY BARRICADES, ETC. TO ALLOW FOR SAFE PUBLIC USE.
 3. DAMAGE TO EXISTING BIKE PATH DUE TO CONTRACTOR OPERATIONS SHALL BE REPLACED TO FULL WIDTH OF PATH UNLESS NOTED OTHERWISE.
 4. SEE TRAFFIC CONTROL NOTES, SHEET G-003.



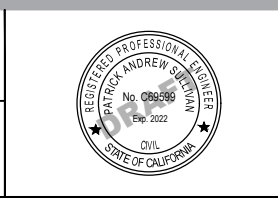
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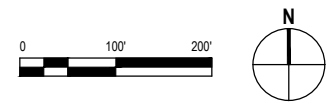


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| Project | HIGHWAY SEWER CROSSING - PHASE I | |
| Title | STAGING AND ACCESS PLAN - NORTH CROSSING | |
| Project No. | 11216191 | |
| Original Size | ANSI D | Sheet No. C-101 |
| | | Sheet 5 of 14 |

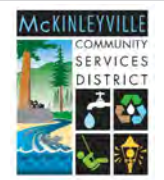
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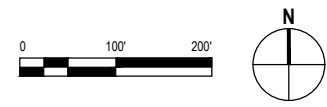
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| Project | HIGHWAY SEWER CROSSING - PHASE I | |
| Title | STAGING AND ACCESS PLAN - MIDDLE CROSSING | |
| Project No. | 11216191 | |
| Original Size | ANSI D | Sheet No. C-102 |
| | | Sheet 6 of 14 |

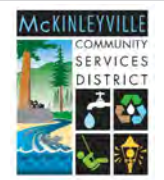
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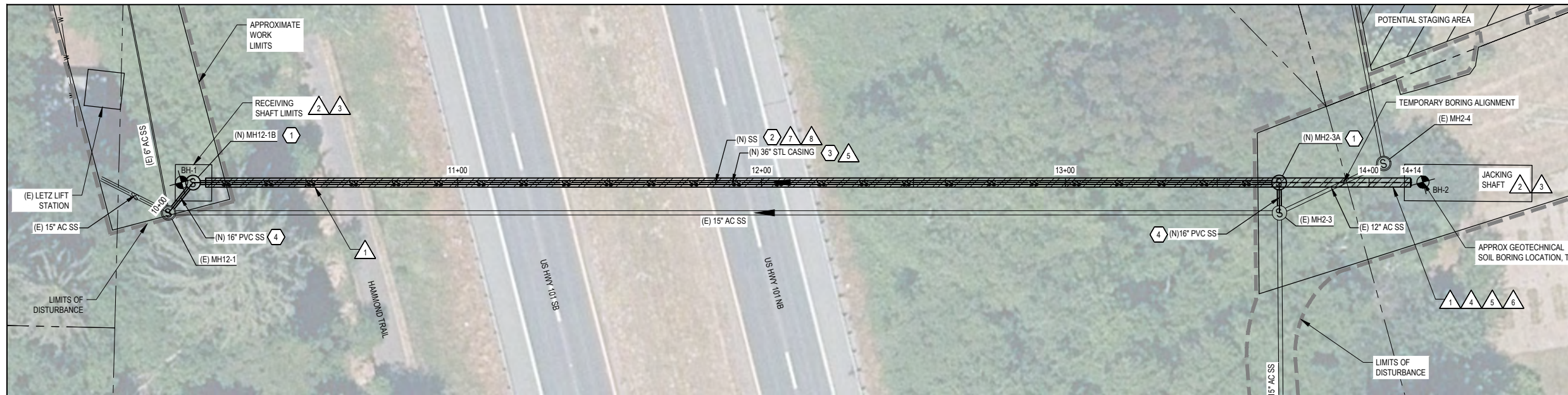
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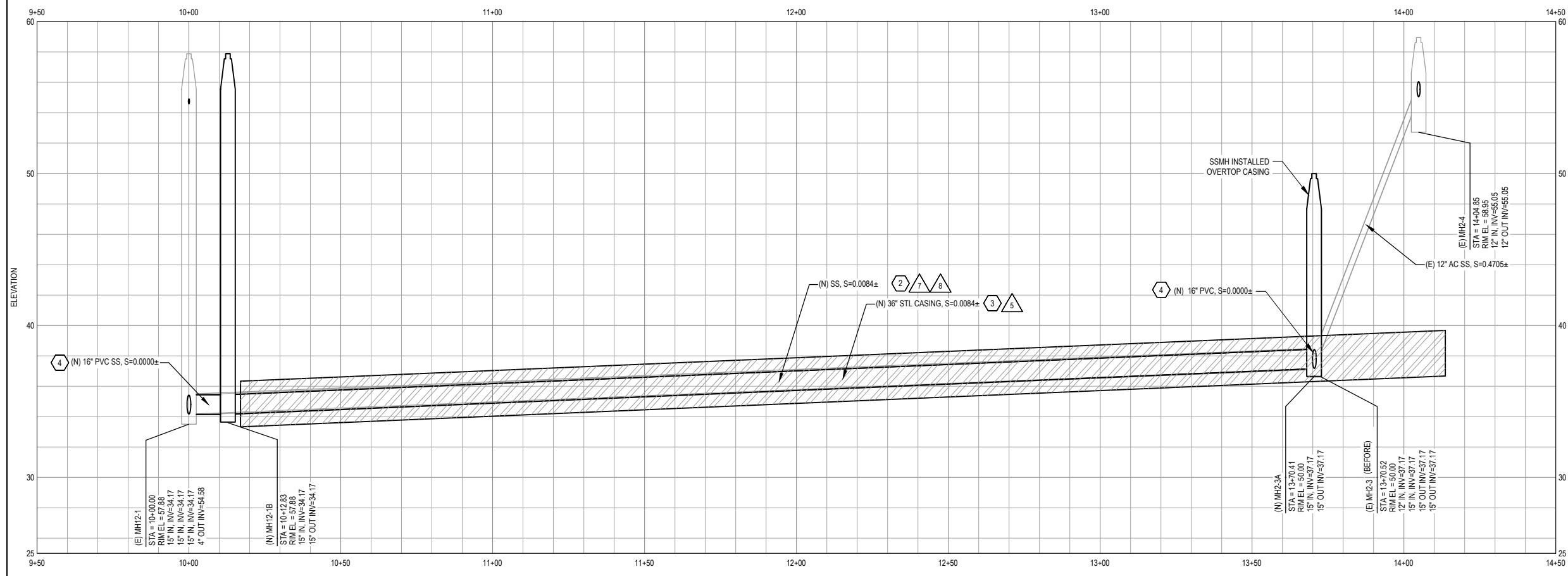
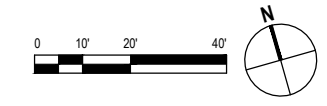
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| Project | HIGHWAY SEWER CROSSING - PHASE I | | |
| Title | STAGING AND ACCESS PLAN - SOUTH CROSSING | | |
| Project No. | 11216191 | | |
| Original Size | ANSI D | Sheet No. | C-103 |
| | | Sheet | 7 of 14 |



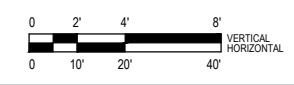
NORTH CROSSING - PLAN

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NORTH CROSSING - PROFILE

SCALE AS SHOWN



SHEET GENERAL NOTES

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- PROVIDE ALL TRANSITION COUPLINGS AS NECESSARY.

SHEET KEYNOTES

- (N) SSMH 2 C-501
- (N) FPVC OR WELDED HDPE SS CARRIER PIPE, INSIDE 36\"/>
- (N) 36\"/>
- (N) 16\"/>
- (N) 10\"/>

TUNNELING KEYNOTES

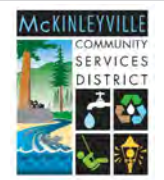
- GEOTECHNICAL SETTLEMENT MONITORING PER SECTION 31 09 13.
- DEWATERING PER SECTION 31 23 19.
- SHAFT PER SECTION 33 05 07.21.
- HORIZONTAL AUGER BORING PER SECTION 31 71 19.
- STEEL CASING PER SECTION 33 05 07.24.
- CONTACT GROUTING PER SECTION 03 60 00.
- CARRIER PIPE PER SECTION 33 05 31.19 (FPVC) OR 33 05 31.20 (HDPE).
- CARRIER PIPE INSTALLATION PER SECTION 33 05 07.23.

NORTH CROSSING CARRIER PIPE TABLE

| NOMINAL SIZE (IN) | PIPE STIFFNESS | O.D. SERIES | MATERIAL | O.D. (IN) | AVG. I.D. (IN) |
|-------------------|----------------|-------------|-------------|-----------|----------------|
| 16 | DR 21 | DIPS | FUSIBLE PVC | 17.40 | 15.64 |
| 20 | DR 9 | DIPS | HDPE | 21.60 | 16.51 |

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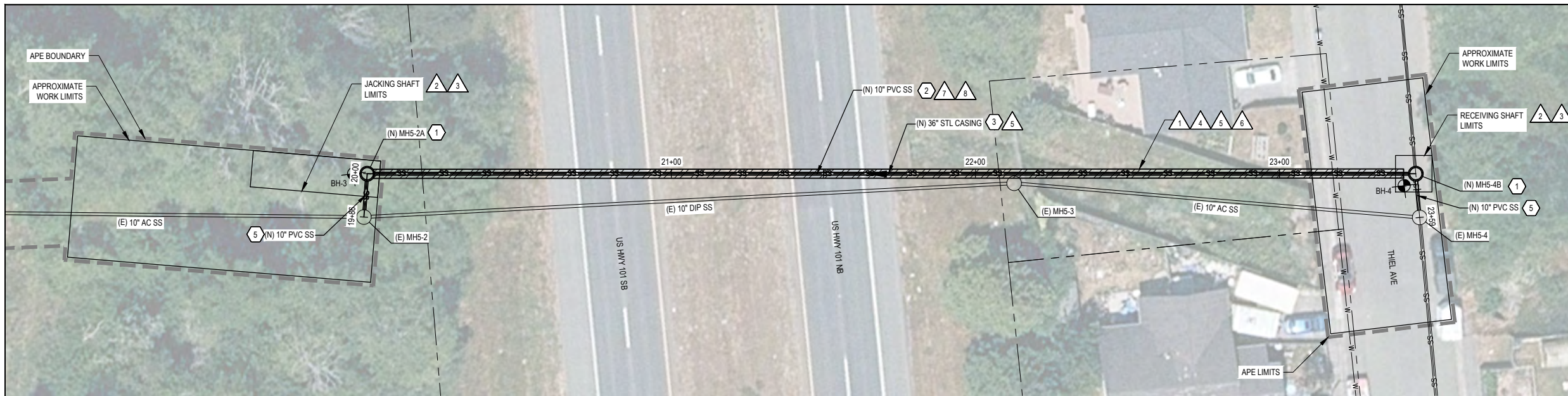
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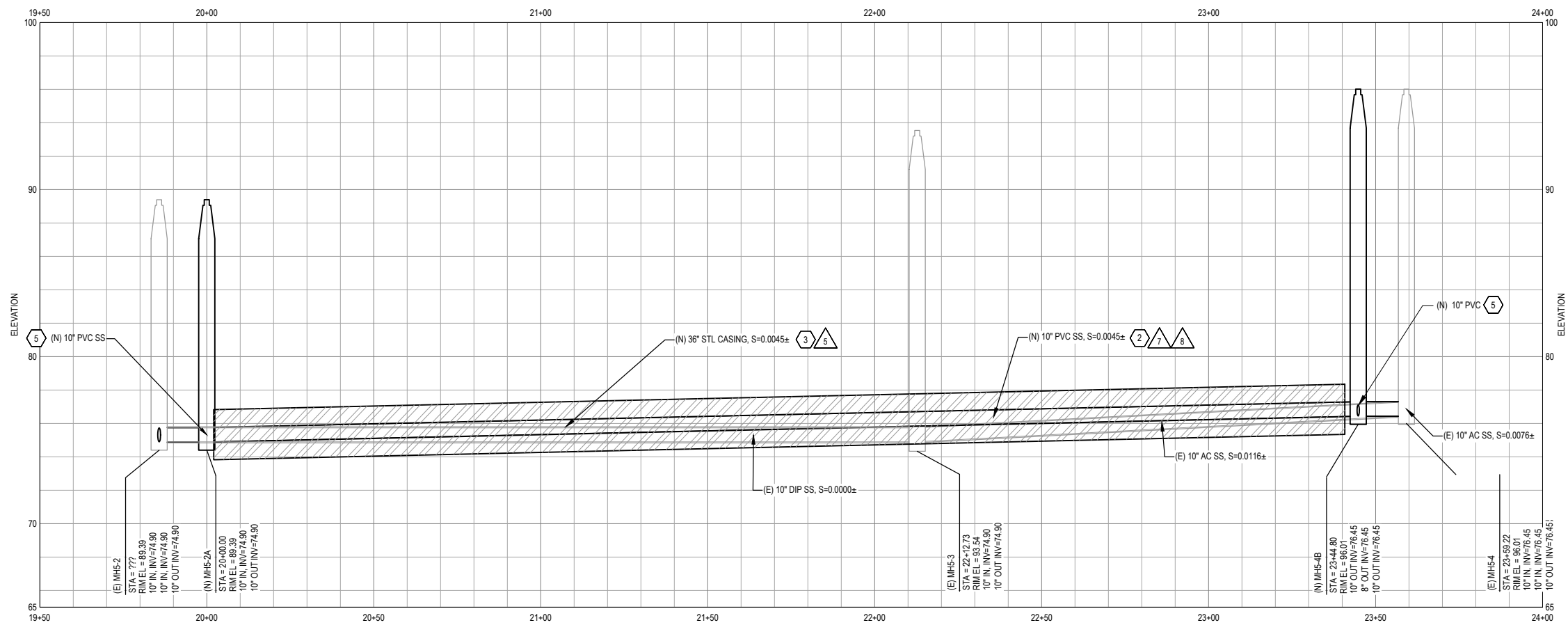
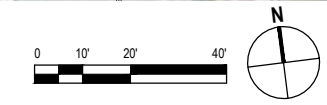
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| Project | HIGHWAY SEWER CROSSING - PHASE I | | |
| Title | PLAN AND PROFILE - NORTH CROSSING | | |
| Project No. | 11216191 | | |
| Original No. | ANSI D | Sheet No. | C-104 |
| | | | Sheet 8 of 14 |



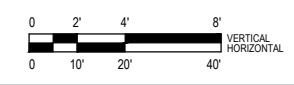
MIDDLE CROSSING - PLAN

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MIDDLE CROSSING - PROFILE

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SHEET GENERAL NOTES

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- PROVIDE ALL TRANSITION COUPLINGS AS NECESSARY.

SHEET KEYNOTES

- (N) SSMH
- (N) FPVC OR WELDED HDPE SS CARRIER PIPE, INSIDE 36" STL CASING
- (N) 36" STL CASING
- (N) 16" PVC SDR35 SS
- (N) 10" PVC SDR35 SS

TUNNELING KEYNOTES

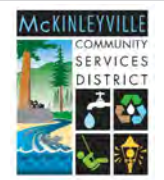
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- DEWATERING PER SECTION 31 23 19.
- SHAFT PER SECTION 33 05 07.21.
- HORIZONTAL AUGER BORING PER SECTION 31 71 19.
- STEEL CASING PER SECTION 33 05 07.24.
- CONTACT GROUTING PER SECTION 03 60 00.
- CARRIER PIPE PER SECTION 33 05 31.19 (FPVC) OR 33 05 31.20 (HDPE).
- CARRIER PIPE INSTALLATION PER SECTION 33 05 07.23.

MIDDLE CROSSING CARRIER PIPE TABLE

| NOMINAL SIZE (IN) | PIPE STIFFNESS | O.D. SERIES | MATERIAL | O.D. (IN) | AVG. I.D. (IN) |
|-------------------|----------------|-------------|-------------|-----------|----------------|
| 12 | DR 18 | DIPS | FUSIBLE PVC | 13.20 | 11.65 |
| 14 | DR 7.3 | DIPS | HDPE | 15.30 | 10.86 |

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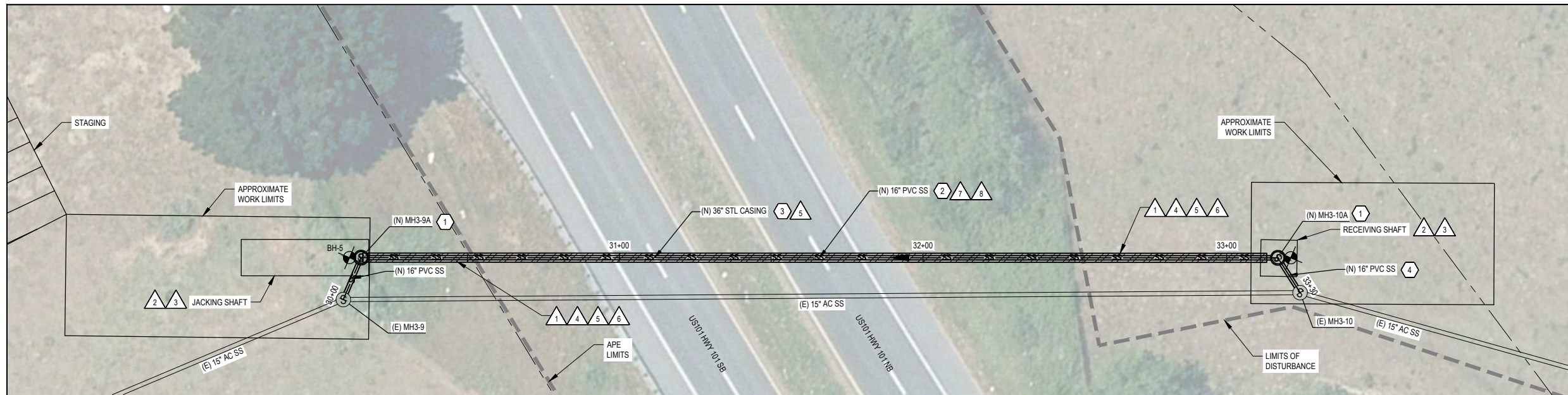
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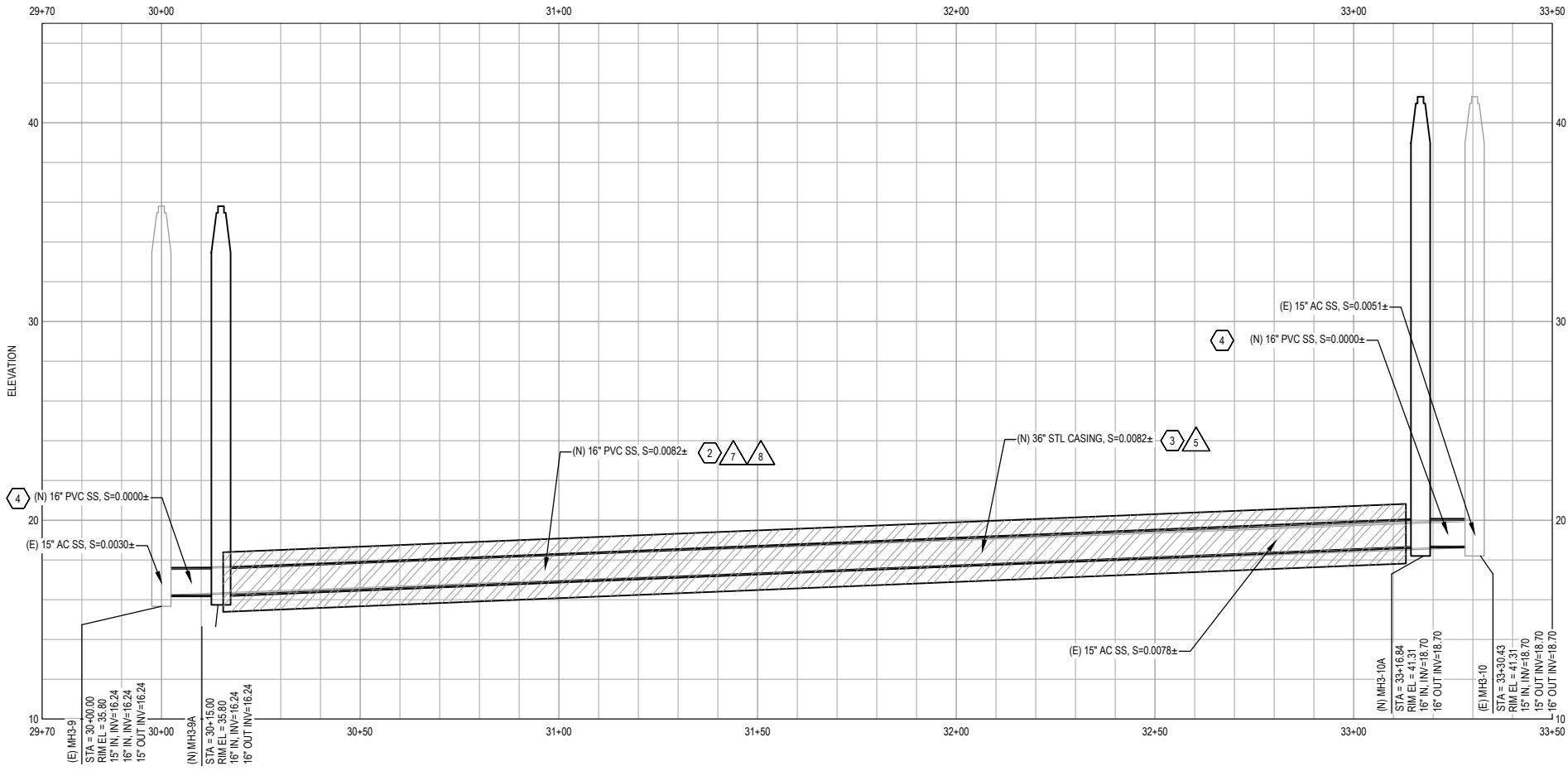
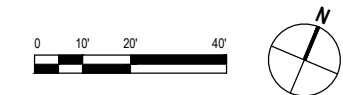
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| Project Manager | P. SULLIVAN | Date | |
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| Title | PLAN AND PROFILE - MIDDLE CROSSING | | |
| Project No. | 11216191 | | |
| Original Size | ANSI D | Sheet No. | C-105 |
| | | | Sheet 9 of 14 |



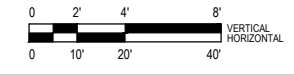
SOUTH CROSSING - PLAN

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SOUTH CROSSING - PROFILE

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- PROVIDE ALL TRANSITION COUPLINGS AS NECESSARY.

SHEET KEYNOTES

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- (N) FPVC OR WELDED HDPE SS CARRIER PIPE, INSIDE 36\"/>

TUNNELING KEYNOTES

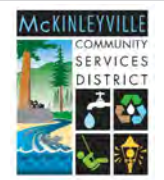
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- STEEL CASING PER SECTION 33 05 07.24.
- CONTACT GROUTING PER SECTION 03 60 00.
- CARRIER PIPE PER SECTION 33 05 31.19 (FPVC) OR 33 05 31.20 (HDPE).
- CARRIER PIPE INSTALLATION PER SECTION 33 05 07.23.

SOUTH CROSSING CARRIER PIPE TABLE

| NOMINAL SIZE (IN) | DR/PIPE STIFFNESS | O.D. SERIES | MATERIAL | O.D. (IN) | AVG. I.D. (IN) |
|-------------------|-------------------|-------------|---------------|-----------|----------------|
| 16 | DR 21 | DIPS | FUSIBLE C-905 | 17.40 | 15.64 |
| 20 | DR 9 | DIPS | HDPE | 21.60 | 16.51 |

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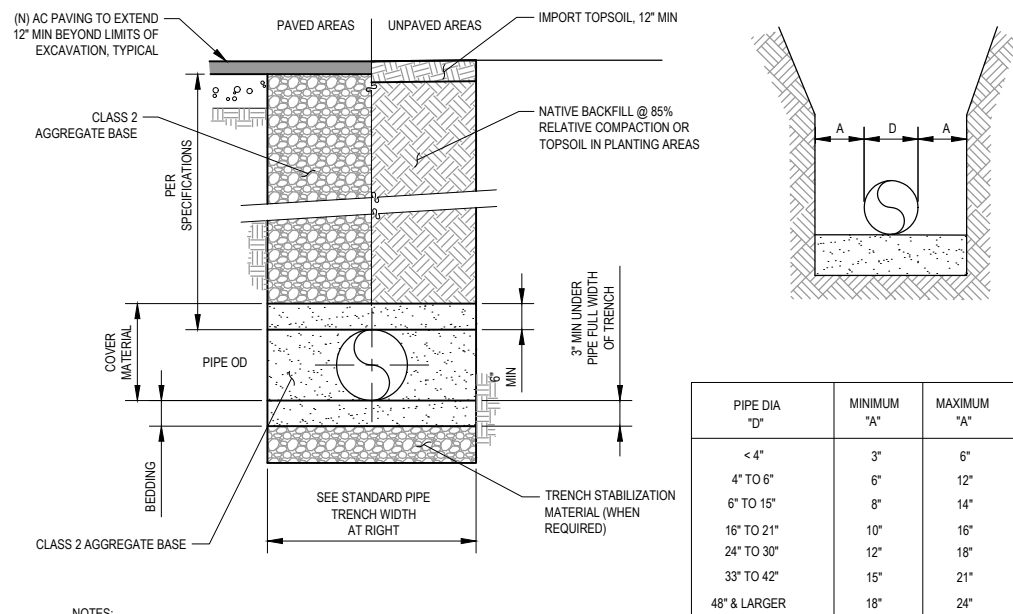
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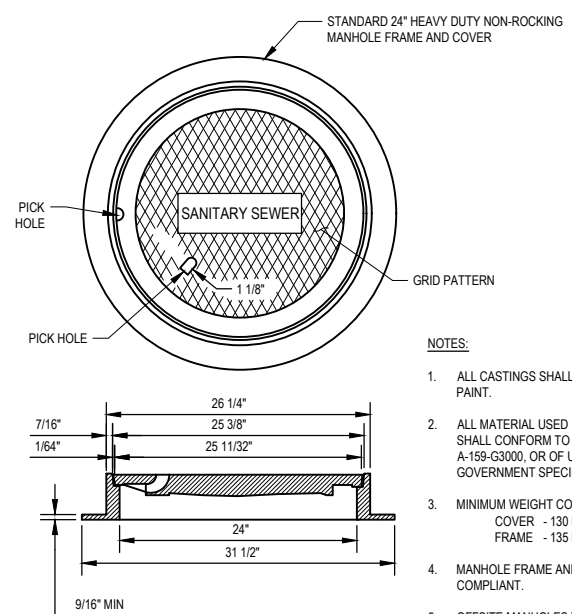
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|---------------|---|-----------|----------------|
| Client | MCKINLEYVILLE COMMUNITY SERVICES DISTRICT | | |
| Project | HIGHWAY SEWER CROSSING - PHASE I | | |
| Title | PLAN AND PROFILE - SOUTH CROSSING | | |
| Project No. | 11216191 | | |
| Original Size | ANSI D | Sheet No. | C-106 |
| | | | Sheet 10 of 14 |



| PIPE DIA "D" | MINIMUM "A" | MAXIMUM "A" |
|--------------|-------------|-------------|
| < 4" | 3" | 6" |
| 4" TO 6" | 6" | 12" |
| 6" TO 15" | 8" | 14" |
| 16" TO 21" | 10" | 16" |
| 24" TO 30" | 12" | 18" |
| 33" TO 42" | 15" | 21" |
| 48" & LARGER | 18" | 24" |

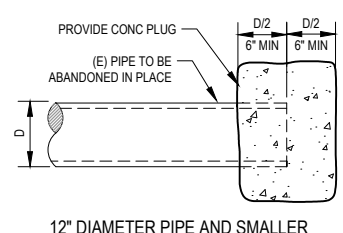
- NOTES:**
- WIDER TRENCHES MAY REQUIRE HIGHER STRENGTH PIPE AND/OR SPECIAL BEDDING.
 - DIFFERING TRENCH WIDTHS REQUIRE PRIOR APPROVAL OF ENGINEER.
 - IN MAKING EXCAVATIONS FOR THIS PROJECT, THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR PROVIDING & INSTALLING ADEQUATE SHEETING, SHORING & BRACING AS MAY BE NECESSARY AS A PRECAUTION AGAINST SLIDES OR CAVE-INS, AND TO PROTECT ALL (E) IMPROVEMENTS OF ANY KIND, EITHER ON PUBLIC OR PRIVATE PROPERTY, FULLY FROM DAMAGE.
 - SATISFACTORY NATIVE BACKFILL MATERIAL USED AS UTILITY TRENCH BACKFILL BELOW UNPAVED AREAS SHALL BE APPROVED BY THE ENGINEER PRIOR TO USE.
 - 2-SACK SLURRY BACKFILL MAY BE USED IN TRENCH WHEN MINIMUM PIPE COVER NOT POSSIBLE, WHEN APPROVED BY OWNER'S REPRESENTATIVE.
 - DETECTABLE WARNING TAPE SHALL BE BRIGHT COLORED, CONTINUOUSLY PRINTED, MINIMUM 6" WIDE BY 4 MIL THICK, MANUFACTURED FOR DIRECT BURIAL.

1 TYPICAL TRENCH DETAIL
C-501 NOT TO SCALE

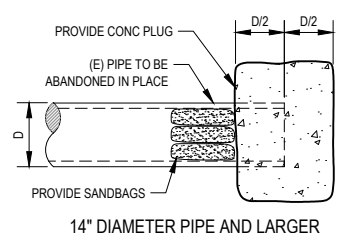


- NOTES:**
- ALL CASTINGS SHALL BE DIPPED IN ASPHALT PAINT.
 - ALL MATERIAL USED IN MANUFACTURING SHALL CONFORM TO ASTM DESIGNATION A-159-G3000, OR OF UNITED STATES GOVERNMENT SPECIFICATIONS QQ1-652B.
 - MINIMUM WEIGHT COMPONENTS:
COVER - 130 POUNDS
FRAME - 135 POUNDS
 - MANHOLE FRAME AND COVER SHALL BE ADA COMPLIANT.
 - OFFSITE MANHOLES TO HAVE BOLT DOWN LIDS.

3 MANHOLE FRAME AND COVER
C-501 NOT TO SCALE



12\"/>

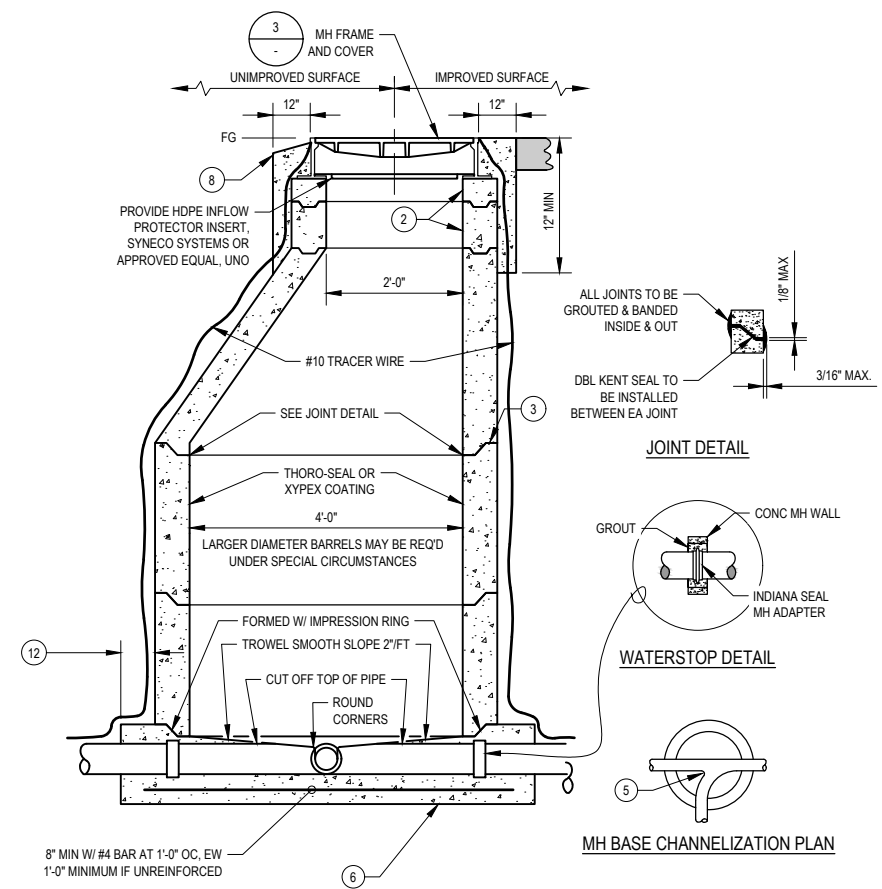


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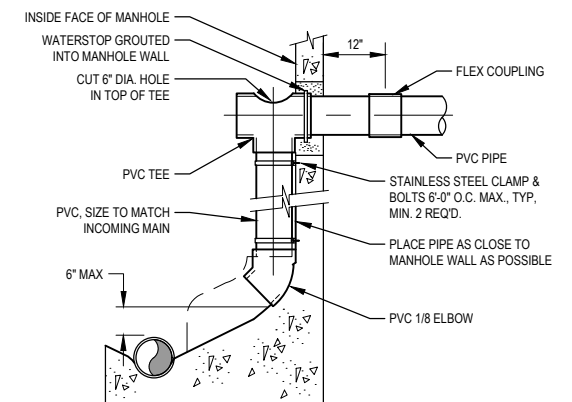
- NOTES:**
- PIPE PLUGS SHALL BE INSTALLED TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.
 - SHALL BE INSPECTED BY THE OWNER'S REPRESENTATIVE BEFORE COVERING.
 - SMALLER PIPES MAY BE CAPPED.

4 PLUG AND ABANDON EXISTING PIPE
C-501 NOT TO SCALE

- NOTES:**
- WHEN MH IS INSTALLED IN UNIMPROVED AREAS, THE TOP OF THE COVER SHALL BE 1'-0" MIN ABOVE ADJACENT FG.
 - MIN OF ONE 3" & ONE 8" GRADE ADJUSTMENT RINGS. MAX HEIGHT OF GRADE ADJUSTMENT RINGS EQUALS 20" ALTERNATELY. THE CONTRACTOR MAY CAST GRADE ADJUSTMENT RINGS IN PLACE.
 - SET ALL BARREL SECTIONS & TAPERED SECTIONS IN PLASTIC GASKET, RAM-NEK OR APPROVED EQUAL. TYPICAL JOINT 1 1/2" (3/4" x 2 1/2") RAM-NEK SEAL (TWO SEALS IN HIGH WATER TABLE AREAS).
 - CONE SECTION (TAPER) MUST BE CONCENTRIC FOR 48" MH UNLESS OTHERWISE SPECIFIED & APPROVED BY THE ENGINEER.
 - CONSTRUCT ALL FLOW CHANNELS OF PIPE WHEREVER POSSIBLE. AFTER LOWER RING SECTION IS SET, BREAK OUT TOP HALF OF PIPE FLUSH WITH INSIDE FACE OF MH WALL AND CONSTRUCT SHELF & U-SHAPED CHANNEL. MAKE ELEVATION CHANGES GRADUALLY & DIRECTIONAL CHANGES WITH SMOOTH CURVES.
 - POUR-IN-PLACE BASE SHALL BE POURED FULL THICKNESS TO UNDISTURBED SIDES OF EXCAVATION OR SHALL BE FORMED. JOINT BETWEEN BASE AND BARREL TO BE SEALED WITH 1 1/2" (3/4" x 2 1/2") RAM-NEK SEAL (TWO SEALS IN HIGH WATER TABLE AREAS) OR PLASTER 6" FILLET. 1:3 MORTAR. PRECAST BASE TO BE IN ACCORDANCE TO ASTM C478 AND PLACED ON 1'-0" THICK 3/4" DRAIN ROCK SUB-BASE INSTALLED AGAINST UNDISTURBED EARTH.
 - JOINT BETWEEN BASE & BARREL TO BE SEALED WITH 1 1/2" (3/4" x 2 1/2") RAM-NEK SEAL (TWO SEALS IN HIGH WATER AREAS).
 - CLASS "B" CONCRETE COLLAR SHALL BE FLUSH WITH FG.
 - STANDARD MH BARREL SECTION PER ASTM C478.
 - BARREL & TAPER SECTIONS MAY BE CAST-IN-PLACE AS APPROVED AND DIRECTED BY THE ENGINEER.
 - 48" INSIDE DIAMETER MH TO BE USED FOR SEWER MAINS LESS THAN 18" DIAMETER & LESS THAN 8 FT DEEP FROM FG.
 - 6 INCH MINIMUM IF POURED-IN-PLACE.
 - A FLEXIBLE COUPLING, AS APPROVED BY THE ENGINEER, SHALL BE INSTALLED IN THE SEWER MAIN WITHIN 1'-0" OF THE BASE OF THE MH (TYPICAL NOT SHOWN) NOT REQUIRED WHEN PRECAST BASES ARE MANUFACTURED WITH FLEX COUPLINGS ALREADY INSTALLED.
 - CONTRACTOR TO PROVIDE ALL COMPONENTS.



2 MANHOLE SECTION VIEW
C-501 NOT TO SCALE



- NOTES:**
- A WATERSTOP CONSISTING OF A STANDARD MANHOLE GASKET, AS SUPPLIED BY THE PIPE MANUFACTURER, SHALL BE GROUDED INTO MANHOLE WALL NEAR THE CENTER OF THE WALL.
 - THIS STANDARD SHALL BE USED IN EXISTING MANHOLES, ONLY UPON SPECIFIC APPROVAL OF THE ENGINEER.
 - NEW MANHOLES CONSTRUCTED USING THIS STANDARD SHALL BE 6" DIAMETER.
 - ENCLOSE ELBOW IN CONCRETE, FORM SMOOTH CHANNEL TO MANHOLE FLOWLINE.

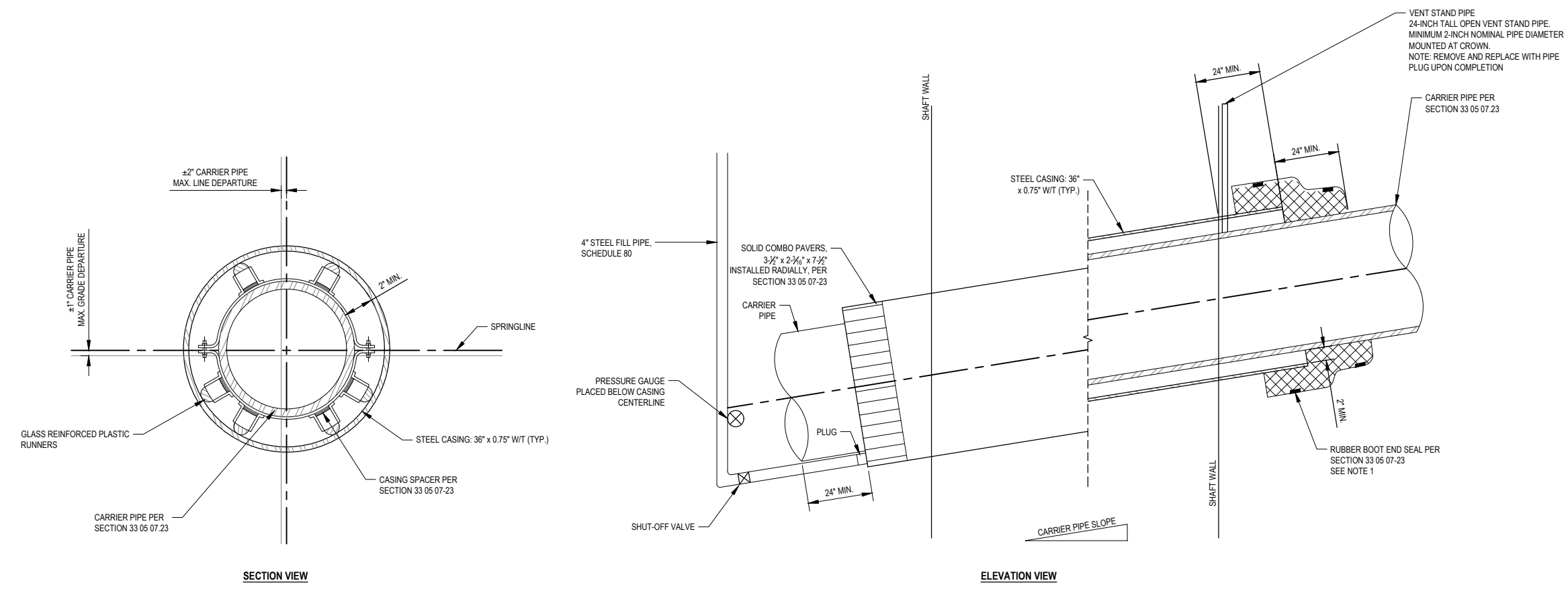
5 TYPICAL MANHOLE INSIDE DROP
C-501 NOT TO SCALE

30% DESIGN

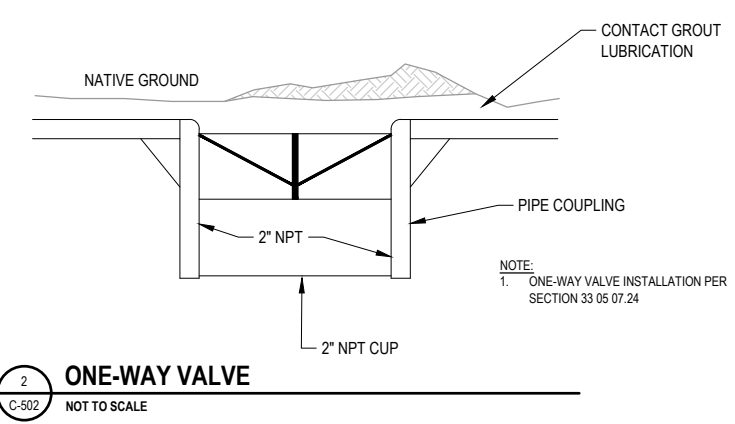
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| | Bar is one inch on original size sheet | | | Drawn Designer | Client MCKINLEYVILLE COMMUNITY SERVICES DISTRICT Project HIGHWAY SEWER CROSSING - PHASE I Title CIVIL DETAILS 1 OF 4 |
| | | | | Drafting Check Design Check | Project Manager P. SULLIVAN Date Scale AS SHOWN |
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SHEET GENERAL NOTES

- INNER DIAMETER OF THE CASING PIPE SHALL BE AT LEAST 12 INCHES LARGER THAN THE OUTER MOST PROJECTION OF THE CARRIER PIPE.
- SPECIFICATION SECTIONS:
 - 31 09 13 GEOTECHNICAL INSTRUMENTATION FOR SETTLEMENT MONITORING
 - 33 05 07 21 SHAFTS
 - 33 05 07 23 CARRIER PIPE INSERTION
 - 33 05 07 24 JACKED STEEL CASING



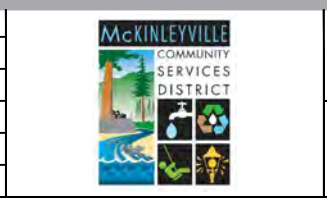
1 STEEL PIPE CASING SECTION AND PROFILE
NOT TO SCALE



2 ONE-WAY VALVE
NOT TO SCALE

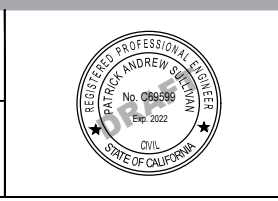
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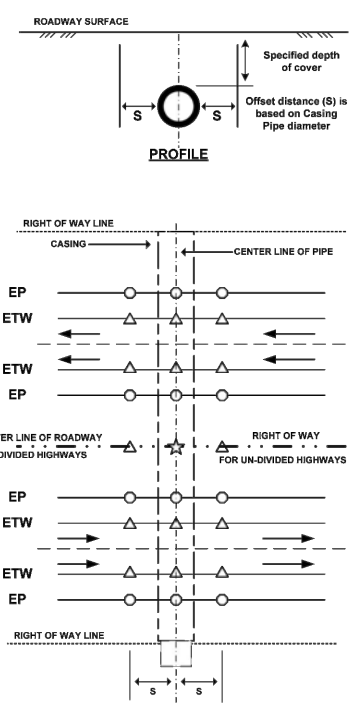


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| Drafting Check | Design Check |
| Project Manager P. SULLIVAN | Date |
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| Client Project | MCKINLEYVILLE COMMUNITY SERVICES DISTRICT HIGHWAY SEWER CROSSING - PHASE I | |
| Title | CIVIL DETAILS 2 OF 4 | |
| Project No. | 11216191 | |
| Original Size | Sheet No. | C-502 |
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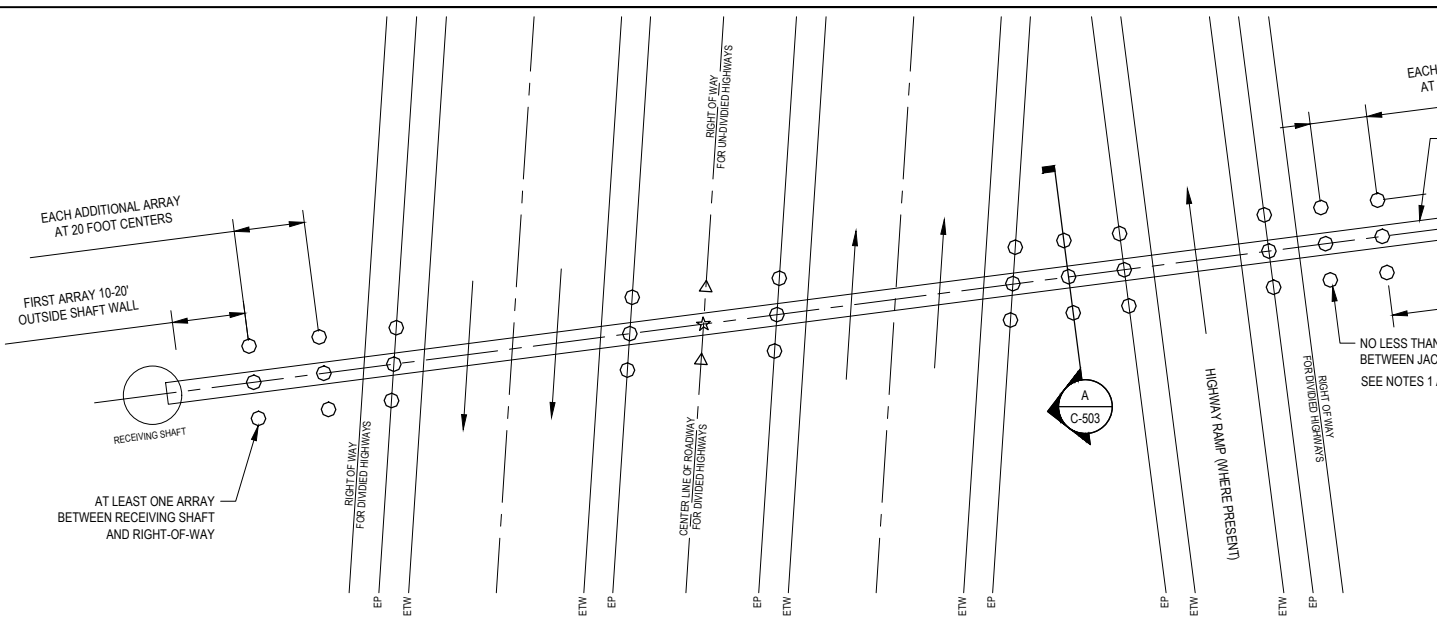
- LEGEND:**
- Octagon Data Points required when the diameter is < 8".
 - △ Octagon & Triangle Data Points required when the diameter is > 8".
 - ☆ Settlement Rod may be required when the diameter is > 5". (Settlement Rod Detail is located in Appendix E of the Encroachment Permits Manual)
- EP** Edge of Pavement
ETW Edge of Travel Way (Fog line, Yellow Stripe, etc.)
S Offset Distance away from the pipe alignment, as follows:
 3' for casing pipe diameters < 30"
 5' for casing pipe diameters 30" - 72"
 10' for casing pipe diameters 72" - 108"
 15' for casing pipe diameters > 108"



- NOTES:**
- Survey data is to be collected at the specific points along the casing alignment at the following times:
1. Prior to Start of Work.
 2. Every two (2) hours continuously throughout the project.
 3. Upon completion of the project.
 4. Every two (2) months, during a six month period after the date of completion, and or As Required by the Department.

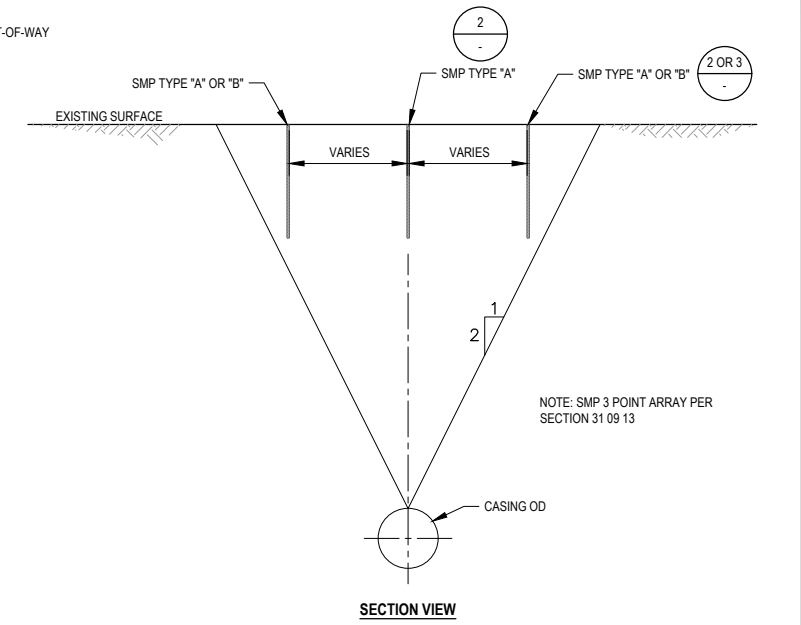
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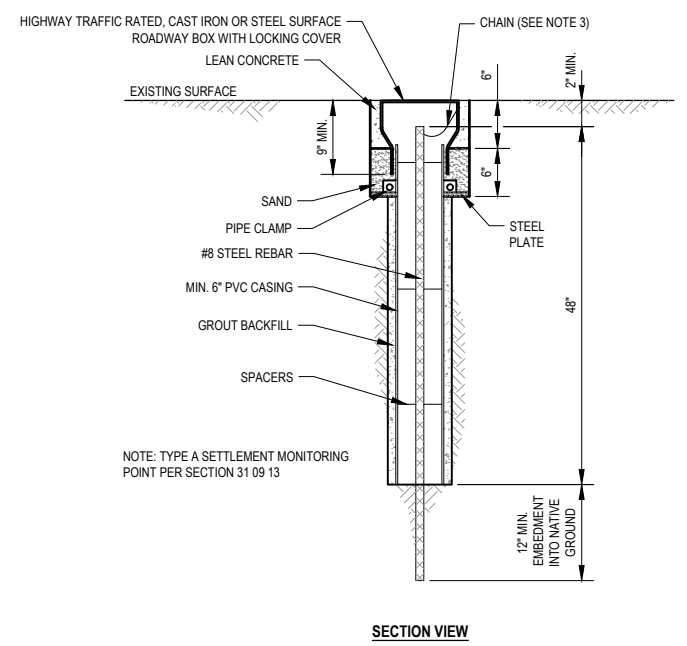


1 SETTLEMENT MONITORING POINT (SMP) ARRAY SURVEY GRID
 C-503 NOT TO SCALE

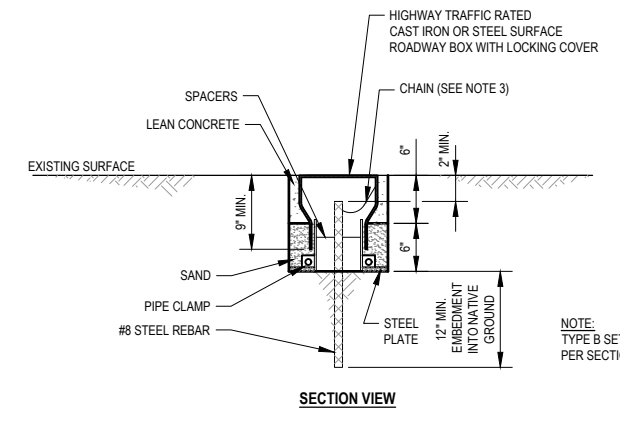
- SHEET GENERAL NOTES**
1. MODIFIED SETTLEMENT ARRAY SURVEY GRID PER CALTRANS STANDARD TO SHOW MONITORING ON NON-PERPENDICULAR INCIDENCE ANGLES BETWEEN ALIGNMENT AND TRAVELLED WAY.
 2. SMP ARRAY SURVEY GRID PER SECTION 31 09 13.
 3. CHAIN TO RESTRAIN REBAR FROM FALLING INTO SETTLEMENT. CHAIN SHALL NOT INTERFERE WITH THE ABILITY TO TAKE MEASUREMENTS.
 4. SPECIFICATION SECTIONS:
 31 09 13 GEOTECHNICAL INSTRUMENTATION FOR SETTLEMENT MONITORING



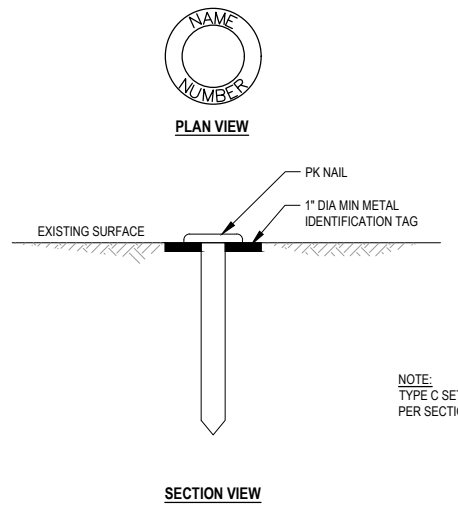
A SMP 3-POINT ARRAY
 C-503 NOT TO SCALE



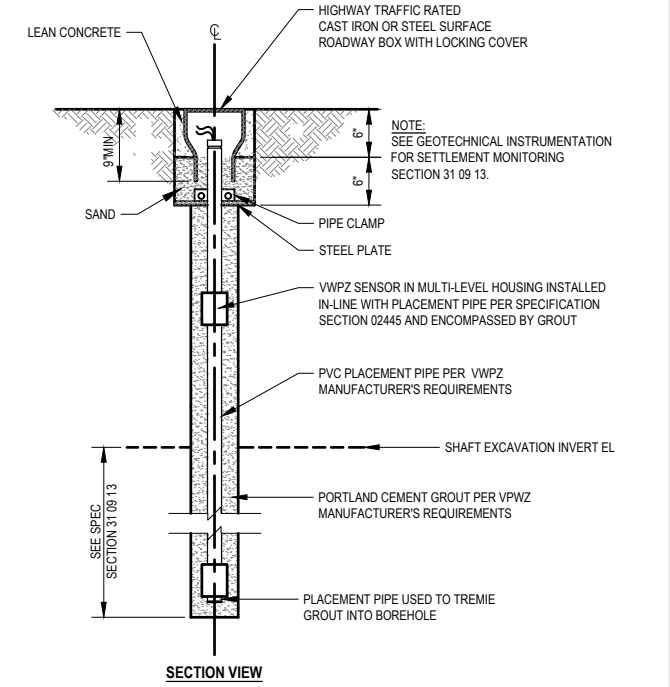
2 TYPE "A" SMP DETAIL
 C-503 NOT TO SCALE



3 TYPE "B" SMP DETAIL
 C-503 NOT TO SCALE



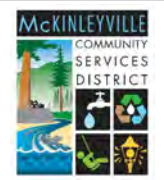
4 TYPE "C" SMP DETAIL
 C-503 NOT TO SCALE



5 VIBRATING WIRE PIEZOMETER (VWP)
 C-503 NOT TO SCALE

30% DESIGN

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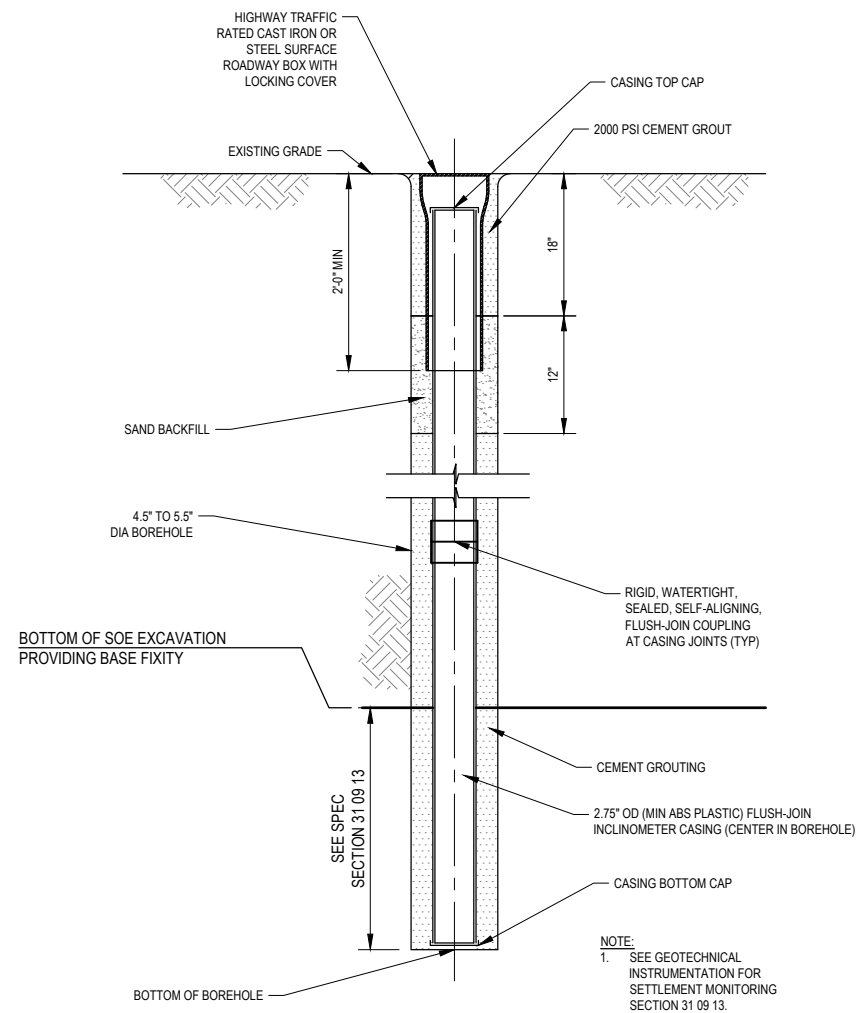
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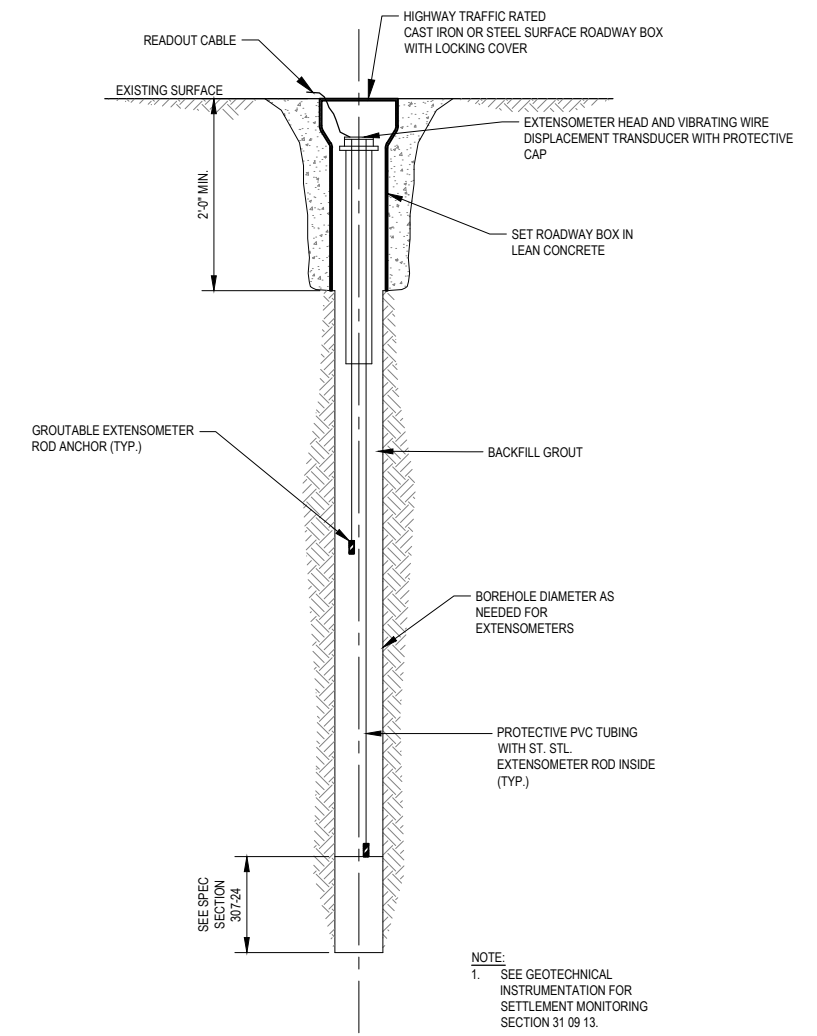
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| Client | MCKINLEYVILLE COMMUNITY SERVICES DISTRICT | |
| Project | HIGHWAY SEWER CROSSING - PHASE I | |
| Title | CIVIL DETAILS 3 OF 4 | |
| Project No. | 11216191 | |
| Original Size | ANSI D | |
| Sheet No. | C-503 | |
| Sheet | 13 of 14 | |



NOTE:
1. SEE GEOTECHNICAL INSTRUMENTATION FOR SETTLEMENT MONITORING SECTION 31 09 13.

1 **INCLINOMETER (INC)**
C-504 NOT TO SCALE



NOTE:
1. SEE GEOTECHNICAL INSTRUMENTATION FOR SETTLEMENT MONITORING SECTION 31 09 13.

2 **MULTI-POINT BOREHOLE EXTENSOMETER (MPBX)**
C-504 NOT TO SCALE

30% DESIGN

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Attachment D: Basis of Design Report, GHD Inc., February 1, 2021

https://mckinleyvillecsd.ca.gov/files/620d5342d/Att+D+MCSD_Highway_101_Sewer_Crossing_BasisOfDesignReport_Final_02012021+opt.pdf

Attachment E: Wetland Delineation Report, GHD Inc., January 2021

https://mckinleyvillecsd.ca.gov/files/7b6c9864a/Att+E+MCSD_AquaticDelinReport_20210120reduced.pdf

Attachment F: Biological Resources Evaluation, GHD Inc., January 8, 2021

<https://mckinleyvillecsd.ca.gov/files/67c2cf7df/Att+F+Bio+Rpt+Final+opt.pdf>

**McKinleyville Community Services District
PO Box 2037, McKinleyville California 95519
Telephone (707) 839-3251 - FAX (707) 839-8456**

Professional Services Agreement

This Professional Services Agreement (this “Agreement”) is made and entered between the parties listed below as of the date(s) set forth below. For your protection, make sure that you read and understand all provisions before signing. The terms recited as sections a through u on Pages 3 through 7 are incorporated in this document and, along with this page, constitute material terms and conditions of the Agreement between the parties.

TO: _____ DATE: _____

_____ Agreement No. _____

The undersigned Consultant offers to furnish the following services (the “Services”):

As described in the proposal submitted by Consultant dated **DATE HERE**, which is attached hereto as **Exhibit A** and incorporated herein by reference. The Services shall be provided on a time and materials basis not to exceed the amounts described in **Exhibit B**, which is attached hereto and incorporated herein by reference. The scope of work for this project includes the following:

Contract Price: Not To Exceed \$
Payment Intervals Monthly
Completion Date

Instructions: Sign and return original. Upon acceptance by McKinleyville Community Services District, a copy will be signed by its authorized representative and promptly returned to you. Insert below, the names of your authorized representative(s).

Accepted: McKinleyville CSD

Consultant:

(Business Name)

By Patrick Kaspari

By _____

Title General Manager

Title _____

Other authorized representative(s):

Other authorized representative(s):

Consultant agrees with McKinleyville Community Services District that:

- a. **Indemnification.** To the fullest extent permitted by law and consistent with California Civil Code §2782.8(a), Consultant will, indemnify, defend, and hold harmless McKinleyville Community Services District, its directors, officers, employees, and authorized volunteers (collectively "District") from and against all claims, demands and damages of all persons and entities that arise out of the Consultant's negligent acts or omissions, recklessness, or willful misconduct in the performance (or non-performance) of the Services under this Agreement. Consultant shall not be obligated to defend or indemnify the District from and against all claims, demands and damages that arise out of, pertain to, or relate to the District's own negligent acts or omissions, recklessness, or willful misconduct or the negligent acts or omissions, recklessness, or willful misconduct of others.
- b. **Standard of Care.** In providing the Services under this Agreement, Consultant shall exercise that degree of skill and care ordinarily used by other reputable members of Consultant's profession, practicing in the same or similar locality and under similar circumstances.
- c. **Workers Compensation Insurance.** By his/her signature hereunder, Consultant certifies that he/she is aware of the provisions of Section 3700 of the California Labor Code which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that Code, and that Consultant will comply with such provisions before commencing the performance of the professional services and work under this Agreement. Consultant and sub-consultants will keep workers' compensation insurance for their employees in effect during all Services covered by this Agreement.
- d. **Professional Liability Insurance.** Consultant will file with McKinleyville Community Services District, before beginning professional services, a certificate of insurance satisfactory to the McKinleyville Community Services District evidencing professional liability coverage of not less than \$1,000,000 per claim and annual aggregate, requiring 30 days notice of cancellation (10 days for non-payment of premium) to McKinleyville Community Services District. Coverage is to be placed with a carrier with an A.M. Best rating of no less than A-:VII, or equivalent, or as otherwise approved by McKinleyville Community Services District. The retroactive date (if any) is to be no later than the effective date of this Agreement. Consultant shall maintain such coverage continuously for a period of at least three years after the completion of the contract Services. Consultant shall purchase a one-year extended reporting period i) if the retroactive date is advanced past the effective date of this Agreement; ii) if the policy is canceled or not renewed; or iii) if the policy is replaced by another claims-made policy with a retroactive date subsequent to the effective date of this Agreement. In the event that the Consultant employs other consultants (sub-consultants) as part of the Services covered by this Agreement, it shall be the Consultant's responsibility to require and confirm that each sub-consultant provides insurance coverage deemed appropriate by Consultant for the role of the subconsultant under this contract.
- e. **Insurance Certificates.** Consultant will file with McKinleyville Community Services District, before beginning professional services, certificates of insurance satisfactory to McKinleyville Community Services District evidencing general liability coverage of not less than \$1,000,000 per occurrence (\$2,000,000 general and products-completed

operations aggregate (if used)) for bodily injury, personal injury and property damage; auto liability of at least \$1,000,000 for bodily injury and property damage each accident limit; workers' compensation (statutory limits) and employer's liability requiring 30 days (10 days for non-payment of premium) notice of cancellation to McKinleyville Community Services District. The general liability coverage is to state or be endorsed to state "such insurance shall be primary and any insurance, self-insurance or other coverage maintained by McKinleyville Community Services District, its directors, officers, employees, or authorized volunteers shall not contribute to it". The general liability coverage shall give McKinleyville Community Services District, its directors, officers, employees, and authorized volunteers insured status using ISO endorsement CG2010, CG2033, or equivalent. Coverage is to be placed with a carrier with an A.M. Best rating of no less than A- :VII, or equivalent, or as otherwise approved by McKinleyville Community Services District. In the event that the Consultant employs other consultants (sub-consultants) as part of the Services covered by this Agreement, it shall be the Consultant's responsibility to require and confirm that each sub-consultant has in place levels of insurance deemed appropriate by the Consultant for the risk associated with the role of each subconsultant under this contract.

- f. **Renewal Certificates.** If any of the required coverages expire during the term of this Agreement, the Consultant shall deliver the renewal certificate(s) including the general liability additional insured endorsement to McKinleyville Community Services District at least ten (10) days prior to the expiration date.
- g. **General Manager Authority.** Consultant shall not accept direction or orders from any person other than the General Manager or the person(s) whose name(s) is (are) inserted on Page 1 as "other authorized representative(s)" on behalf of McKinleyville Community Services District.
- h. **Payment Intervals.** Payment, unless otherwise specified on Page 1, is to be 30 days after acceptance of a written invoice by McKinleyville Community Services District.
- i. **Permits and Licenses.** Permits and licenses required by governmental authorities in connection with Consultant's services will be obtained at Consultant's sole cost and expense, and Consultant will comply with applicable local, state, and federal regulations and statutes including Cal/OSHA requirements.
- j. **Amendments and Modifications.** Any change in the scope of the professional Services to be done, method of performance, nature of materials, work provided or price thereof, or to any other matter materially affecting the performance or nature of the Services will not be paid for or accepted unless such change, addition or deletion is approved in advance, in writing by a supplemental Agreement executed by McKinleyville Community Services District. Consultant's "authorized representative(s)" has (have) the authority to execute such written change for Consultant.
- k. **Representations.** Consultant represents that it is now, and will remain for the duration of its Services, properly licensed, qualified, experienced, and equipped to perform the Services. Consultant also represents that the Services shall be completed in accordance with this Agreement. Consultant further represents that the Services and the sale or use of the Services shall not infringe, directly or indirectly, on any valid patent, copyright or trademark, and Consultant shall, at Consultant's sole cost and expense, indemnify, and hold harmless McKinleyville Community Services District from and against any and all

claims and causes of action based on infringements thereof. These representations shall survive the expiration or termination of this Agreement, and are in addition to any warranties provided by law. No payment to Consultant for any Services performed hereunder (including, without limitation, final payment) shall constitute a waiver of any Claims by McKinleyville Community Services District against Consultant relating to the Services.

- l. **Ownership of Drawings and Samples.** Consultant shall submit promptly for all drawings, details, samples and other data required or specifically requested by McKinleyville Community Services District in connection with provision of the Services, and such drawings, details, samples and other data created in connection with performance of the Services and provision of the work shall constitute the property of the McKinleyville Community Services District.
- m. **Compliance with Law/Safety.** In performance of the Services, Consultant shall, at its expense, exercise due professional care, comply strictly with, and cause all sub-consultants to comply strictly with, all laws, orders, rules and regulations of governmental authorities, including those relating to the storage, use or disposal of hazardous wastes, substances or materials, and including the procurement and payment for all necessary permits, certificates and licenses required in connection with the Services. If either Consultant or McKinleyville Community Services District receives notice of any violation by Consultant of any laws relating to Consultant or McKinleyville Community Services District receives notice of any violation by Consultant of any laws relating to Consultant's (or sub-consultants) services or work provided hereunder, such party shall promptly inform the other party in writing of the existence thereof. Consultant shall comply with all applicable laws relating to safety, including without limitation the Occupational Safety and Health Act of 1970 as it may be amended from time to time, and all regulations and standards issued pursuant thereto. Consultant shall conform to the current prevailing standards of safety practice.
- n. **Equal Opportunity.** In the performance of the Services there shall be no discrimination on account of race, religion, sex, sexual orientation, age or national origin and Consultant shall comply with applicable federal, state and local laws and regulations pertaining to fair employment practices, including without limitation the provisions of Executive Order 11246 as amended by the President of the United States and the rules and regulations issued pursuant thereto, unless exempted.
- o. **Termination.** McKinleyville Community Services District may, at its option, terminate this Agreement without cause at any time. If at the time of any such termination, any Services have already been provided by Consultant but are unpaid for, McKinleyville Community Services District's only obligation, if Consultant is not in default, shall be to pay for such Services actually provided by Consultant prior to the date of termination. Upon receipt of notice of termination, Consultant shall immediately stop all performance hereunder except as otherwise directed by McKinleyville Community Services District, and if Consultant is not in default, McKinleyville Community Services District shall pay to Consultant (a) the prorata portion of the agreed price based on the percentage completion of the Services which was satisfactorily completed at the time of termination, and (b) the actual net costs incurred by Consultant directly connected with the Services that was not completed prior to the date of termination; provided, however, that under no circumstances shall the total under (a) and (b) exceed the contract price stated on page one (1) of this Agreement, above. Upon such payment, title to any such items or uncompleted Services shall, at McKinleyville Community Services District's option, pass to McKinleyville Community Services District.

- p. **Default.** Upon any default by Consultant hereunder, or in the event of proceedings by or against Consultant in bankruptcy or for the appointment of a receiver or trustee or an assignment for the benefit of creditors, McKinleyville Community Services District may, at its option, terminate this Agreement without penalty or liability (except for payment for any Services completed and accepted by McKinleyville Community Services District). Consultant shall be liable to McKinleyville Community Services District for all expenses incurred by McKinleyville Community Services District in finishing the Services and any damage incurred through any default, which at the option of McKinleyville Community Services District, may be charged against any amounts due from McKinleyville Community Services District to Consultant hereunder, but Consultant's liability hereunder shall not be limited thereby and such liability shall survive the expiration or termination of this Agreement. Any remedies provided for in this Agreement are cumulative and shall be in addition to, and not in limitation of, any other rights and remedies that may be available at law or in equity. Neither party shall be in default of this Agreement until such party has received three (3) days written notification (except in the instance of a health or safety concern, in which case failure to immediately remediate the health or safety violation shall be grounds to declare a default of this Agreement), and an opportunity to cure, or in the case of an alleged default which requires more than three (3) days to cure, a reasonable time so long as the alleged defaulting party commences the remediation of the default immediately, and thereafter diligently prosecutes the same to completion.
- q. **Notices.** Notices, requests, demands, and other communications hereunder shall be in writing and delivered personally, sent by reputable overnight courier or mailed by first class, United States mail, with postage prepaid, to McKinleyville Community Services District, **PO Box 2037, McKinleyville California 95519, Attention: Patrick Kaspari**, and to Consultant at the address set forth below its signature, or at any other address that may be given by either party to the other in the manner provided above. Notices delivered personally or sent by overnight courier shall be deemed delivered upon receipt. Notices delivered by mail shall be deemed delivered upon the earlier of (i) receipt or (ii) the date five (5) U.S. mail delivery days after the notice was placed in the United States mail as provided above.
- r. **Headings.** All section headings are provided for convenience only, and shall not be deemed to constitute material terms and conditions of this Agreement.
- s. **Interpretation.** Both Consultant and McKinleyville Community Services District are deemed to have jointly participated in the negotiation and preparation of this Agreement. Consequently, both Consultant and McKinleyville Community Services District are considered to have drafted this Agreement in equal parts and, if any ambiguity is found to exist, all rules of law and evidence requiring ambiguities to be interpreted to the detriment of the drafting party shall not apply.
- t. **Attorneys Fees and Venue for Disputes.** If litigation becomes necessary to enforce the terms and provisions of this Agreement or as a result of any breach by Consultant or District of this Agreement, the prevailing party in any such litigation shall be entitled to recover reasonable attorney's fees and costs. The Humboldt County Superior Court for the State of California shall have exclusive jurisdiction over any dispute arising out of this Agreement or Consultant's provision of Services hereunder, and shall serve as the venue for any such dispute. All parties expressly consent to this designation of jurisdiction and venue.

- u. **MUTUAL UNDERSTANDING OF SERVICES.** McKinleyville Community Services District and Consultant agree that the purpose of value engineering is the identification and presentation of recommendations for improvement of project or process value, for consideration by the McKinleyville Community Services District and their other professional advisors. Both parties understand that as a part of these services, Consultant does no design work and makes no project decisions. McKinleyville Community Services District and Consultant agree that Consultant will be liable to the McKinleyville Community Services District only for damages arising from Consultant's negligence in the performance of the Value Analysis or Value Engineering work itself, and only to the extent that such negligence directly damages the McKinleyville Community Services District.

PHYSICAL ADDRESS:

1656 SUTTER ROAD
McKINLEYVILLE, CA 95519

MAILING ADDRESS:

P.O. BOX 2037
McKINLEYVILLE, CA 95519



MAIN OFFICE:

PHONE: (707) 839-3251
FAX: (707) 839-8456

PARKS & RECREATION OFFICE:

PHONE: (707) 839-9003
FAX: (707) 839-5964

**AMENDMENT to
MCKINLEYVILLE COMMUNITY SERVICES DISTRICT CONTRACT
WITH _____ (FEDERAL CONTRACT PROVISIONS)**

Amendment to Agreement Number _____ dated _____ between McKinleyville Community Services District (Client or District) and _____ (Consultant) (the "Contract"), regarding the following identified project:

Project: _____ (the "Project")

The Project is funded in part with Federal financial assistance and therefore requires inclusion of certain contract provisions pursuant to Title 2 Code of Federal Regulations ("C.F.R."), Part 200. These include: a) Debarment and Suspension provisions, b) Byrd Anti-Lobbying and Certification Act provisions and compliance, and c) Clean Air Act and Federal Water Pollution Control Act compliance acknowledgement provisions.

Consequently, the Contract is amended to include the following terms and conditions as material terms thereof:

1. Debarment and Suspension: This Contract is a covered transaction for purposes of Title 2 C.F.R. Part 180 and 2 C.F.R. Part 3000. As such, the Consultant is required to verify that none of the Consultant's principals (defined at 2 C.F.R. § 180.995) or its affiliates (defined at 2 C.F.R. § 180.905) are excluded (defined at 2 C.F.R. § 180.940) or disqualified (defined at 2 C.F.R. § 180.935) to perform work under this Contract in accord with said provisions.

When performing this Contract the Consultant must comply with 2 C.F.R. Part 180, subpart C and 2 C.F.R. Part 3000, subpart C, and must include a requirement to comply with these regulations in any lower tier covered subcontract or related transaction it enters into.

This certification is a material representation of fact relied upon by the McKinleyville Community Services District. If it is later determined that the Consultant did not comply with 2 C.F.R. Part 180, subpart C and 2 C.F.R. Part 3000, subpart C, in addition to remedies available to Client, the federal government may pursue available remedies, including but not limited to suspension and/or debarment.

The Consultant agrees to comply with the requirements of 2 C.F.R. Part 180, subpart C and 2 C.F.R. Part 3000, subpart C throughout the term of the contract. The Consultant further agrees to include a provision requiring such compliance in its lower tier covered subcontracts and transactions.

2. Byrd Anti-Lobbying Amendment, 31 U.S.C. § 1352 (as amended): The Consultant and their subcontractors with subcontracts in excess of \$100,000 shall file the anti-lobbying certification required by 31 U.S.C. § 1352 (as amended). Consultant and each tier subcontractor

shall certify to the tier above that it will not and has not used federally appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, officer or employee of Congress, or an employee of a Member of Congress in connection with obtaining any federal contract, grant, or any other award covered by 31 U.S.C. § 1352. Each tier shall also disclose any lobbying with non-federal funds that takes place in connection with obtaining any federal award. Such disclosures shall be forwarded from tier to tier up to the Consultant who in turn will forward the certification(s) to the District to forward to the federal awarding agency. Consultant will complete and return a certification in the following form:

Certification for Contracts, Grants, Loans, and Cooperative Agreements

The undersigned certifies, to the best of his or her knowledge and belief, that:

No federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any federal contract, the making of any federal grant, the making of any federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any federal contract, grant, loan, or cooperative agreement.

If any funds other than federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, Title 31, U.S.C. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

The Contractor, _____, certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. Chap. 38,

Administrative Remedies for False Claims and Statements, apply to this certification and disclosure, if any.

Signature of Contractor's Authorized Official

Name and Title of Contractor's Authorized Official

3. Clean Air Act: The Consultant agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act, as amended, 42 U.S.C. § 7401 *et seq.*

The Consultant agrees to report each violation to the Client and understands and agrees that the Client will, in turn, report each violation as required to assure notification to the Federal Emergency Management Agency (FEMA), and the appropriate Environmental Protection Agency Regional Office.

The Consultant agrees to include these requirements in each subcontract exceeding \$150,000 financed in whole or in part with federal assistance provided by FEMA.

4. Federal Water Pollution Control Act: The Consultant agrees to comply with all applicable standards, orders, or regulations issued pursuant to the federal Water Pollution Control Act, as amended, 33 U.S.C. § 1251 *et seq.*

The Consultant agrees to report each violation to the Client and understands and agrees that the Client will, in turn, report each violation as required to assure notification to the California Office of Emergency Services, Federal Emergency Management Agency (FEMA), and the appropriate Environmental Protection Agency Regional Office.

The Consultant agrees to include these requirements in each subcontract exceeding \$150,000 financed in whole or in part with federal assistance provided by FEMA.

All other provisions specified in the original Contract including previous amendments are in effect and the Contract shall hereinafter be read and interpreted as if the terms and conditions recited in this Amendment are included therein.

IN WITNESS WHEREOF, the parties hereby execute this Amendment upon the terms and conditions stated above as of the date(s) set forth below.

McKinleyville Community Services District

Consultant: _____

By: _____

Print Name: Patrick Kaspari

Title: General Manager

Date: _____

By: _____

Print Name: _____

Title: _____

Date: _____