

COUNTY OF SAN JOAQUIN

DEPARTMENT OF PUBLIC WORKS

P.O. BOX 1810-1810 E. HAZELTON AVENUE STOCKTON, CALIFORNIA 95201 (209) 468-3000 FAX # (209) 468-9324

Permit No: PS-1700184 Date Issued: 04/26/2017 Start Date: 04/27/2017 Exp. Date: 05/05/2017 Project No: PWP791701

Quad:

ENCROACHMENT PERMIT

To: DCT ARBOR

12 CORPORATE PLAZA, STE150 NEWPORT BEACH, CA 92660

Encroachment Type:

Bell Hole Road Widening Trench

Location:

Arbor Ave and MacArthur Dr Tracy

In compliance with your request of 01/26/2017, permission is hereby granted to do work in County right-of-way as shown on attached application and subject to all the terms, conditions and restrictions written below or printed as general or special provisions on any part of this form. See reverse side and attached sheet, if any.

Trench excavations for service connections will not be permitted within ten feet (10') of pavement centerline unless otherwise approved by the Director. Surface of trench patches shall match in kind and be smooth and even with that of abutting surface. Special attention shall be given to depth of utilities through roadside area in anticipation of future drainage facilities, road profile and/or frontage development. All underground utility facilities are to be established and accurately dimensioned on sketches from surveyed centerline of road right of way, or from right of way (border) lines.

Permittee shall call the Department of Public Works, Field Engineering Division (Permit Inspections) at (209)953-7421 at least forty-eight hours prior to beginning any work within the County right of way. All work performed under this permit shall conform to the rules and regulations pertaining to safety established by the California Division of Industrial Safety and Cal-OSHA.

The jobsite shall be kept in a safe condition at all times by the daily removal of any excess dirt or debris which might be a hazard to either pedestrian or automobile traffic. All necessary traffic convenience and warning devices and personnel shall be provided, placed and maintained by and at the sole expense of the Permittee in accordance with the latest edition of the CALTRANS Manual of Traffic Control.

After completion of the work permitted herein, all debris, lumber, barricades, or any excess material shall be removed and the jobsite left in a neat workmanlike manner. Immediately following completion of construction permitted herein, Permittee shall fill out and mail notice of completion (see attached post card) provided by Grantor.

Special Comments:

Traffic Control Per MUTCD

See attached Special Conditions

THIS PERMIT IS CURRENTLY ONLY GOOD FOR THE BORING WORK ON ARBOR WEST OF MACARTHUR. For the additional work, a rider

will be issued after all fees are paid.

SS/WW, R-29 FORMS:

Est. Permit Fee: \$16,100.00

WHITE GOLDENROD -Permittee

-PWD Central File

YELLOW

-Field Inspection

PINK

-Permit Section

KRIS BALAJI, Director Department of Public Works

Permit Section

ENCROACHMENT PERMIT GENERAL PROVISIONS

13-1

1. This permit is issued under and subject to all laws and ordinances of agencies-governing the encroachment herein permitted. See the following references:

STREETS AND HIGHWAYS CODE

- 1. Division 1, Chapter 3
- 2. Division 2, Chapter 2, Section 942
- 3. Division 2, Chapter 4, Section 1126
- 4. Division 2, Chapter 5.5 and Chapter 6

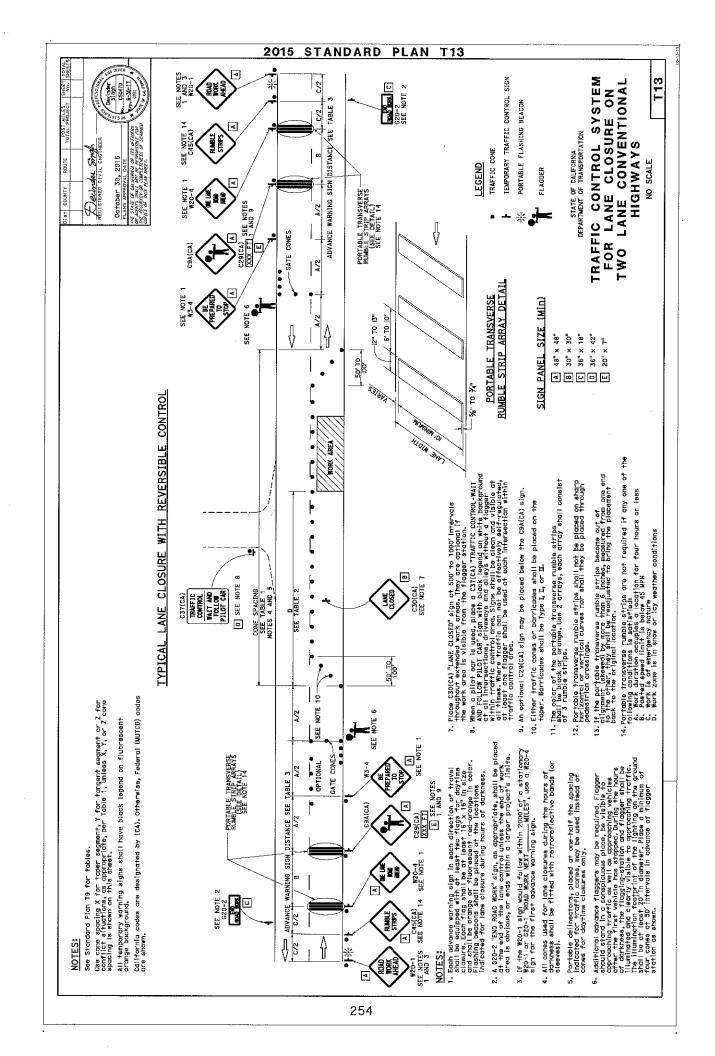
SAN JOAQUIN COUNTY ORDINANCES NUMBERED: 324, 441, 648, 662, 672, 695, 700, 860, 892, 3359, and 3675.

- 2. It is understood and agreed by the Permittee that the performance of any work under this permit shall constitute an acceptance of all the provisions contained herein and failure on the Permittee's part to comply with any provision will be cause for revocation of this permit. Except as otherwise provided for public agencies and franchise holders, this permit is revocable on five days notice.
- 3. All work shall be done subject to the supervision of and the satisfaction of the grantor. The Permittee shall at all times during the progress of the work keep the County Highway in as neat and clean condition as is possible and upon completion of the work authorized herein, shall leave the County Highway in a thoroughly neat, clean and usable condition.
- 4. The Permittee also agrees by the acceptance of this permit to properly maintain any encroachment structure-placed by the Permittee on any part of the County Highway and to immediately repair any damage to any portion of the highway, which occurs as a result of the maintenance of the said encroachment structure, until such time as the Permittee may be relieved of the responsibility for such maintenance by the County of San Joaquin.
- 5. The Permittee also agrees by the acceptance of this permit to make, at its own expense, such repairs as may be deemed necessary by the County Department of Public Works.
- 6. It is further agreed by the Permittee that whenever construction, reconstruction or maintenance work upon the highway is necessary, the installation provided for herein shall, upon request of the County Department of Public Works, be immediately moved or removed by and at the sole expense of the Permittee.
- 7. No material used for fill or backfill in the construction of the encroachment shall be borrowed or taken from within the County right of way.
- 8. All work shall be planned and carried out with as little inconvenience as possible to the traveling public. No material shall be stacked within eight feet (8') of the edge of the pavement or traveled way unless otherwise provided herein. Adequate provision shall be made for the protection of the traveling public. Traffic control standards shall be utilized including barricades; approved signs and lights; and flagmen, as required by the particular work in progress.
- 9. The Permittee, by the acceptance of this permit, shall assume full responsibility for all liability for personal injury or damage to property which may arise out of the work herein permitted or which may arise out of the failure of the part of the Permittee to properly perform the work provided under this permit. In the event any claim of such liability is made against the County of San Joaquin or any department, official or employee thereof, the Permittee shall defend, indemnify, and hold each of them harmless for such claim.
- 10. All backfill material is to be moistened as necessary and thoroughly compacted with mechanical means. If required by the County Director of Public Works, such backfill shall consist of gravel or crushed rock. The Permittee shall maintain the surface over structures placed hereunder as may be necessary to insure the return of the roadway to a completely stable condition and until relieved of such responsibility by the County Department of Public Works. Wherever a gravel, crushed rock or asphalt surface is removed or damaged in the course of work related to the permitted encroachment, such material shall either be separately stored and replaced in the roadway as nearly as possible in its original state or shall be replaced in kind, and the roadway shall be left in at least as good a condition as it was before the commencement of operations of placing the encroachment structure.
- 11. Whenever it becomes necessary to secure permission from abutting property owners for the proposed work, such authority must be secured by the Permittee prior to starting work.
- 12. The current and future safety and convenience of the traveling public shall be given every consideration in the location and methods of construction utilized.
- 13. The Permittee is responsible for the preservation of survey monuments located within the area of work herein permitted. Prior to the start of construction, survey monuments that potentially may be disturbed shall be located and referenced by a Licensed Land Surveyor, and a Corner Record filed with the County Surveyor. Any Survey Monuments disturbed during the course of construction shall be reestablished by a Licensed Land Surveyor and another Corner Record filed with the County Surveyor. (Land Surveyors' Act Section 8771)
- 14. Prior to any excavation, the Permittee shall notify USA North (Underground Service Alert of Northern California and Nevada) at 811 or 800-227-2600 forty-eight (48) hours in advance.

SPECIAL CONDITIONS FOR ENCROACHMENT PERMIT

- 1. Maintain traffic controls for all roads. Traffic control delays shall not exceed 15 minutes. Two-way traffic shall be maintained during non-working hours with excavated areas backfilled or plated. During working hours, two-way traffic control shall be maintained with one lane open and appropriate flaggers. The contractor shall submit traffic control plans for all signing, detours, and any lane closure impacting County right-of-way. Traffic control plans shall be submitted two weeks prior to the closure date.
- 2. Open excavations must meet OSHA safety guidelines. For traffic loading adjacent to the excavation, the excavation must be either shored per the submitted plans, with shoring designed and approved by a registered engineer to meet traffic loading, with minimum setbacks maintained.
- 3. Access to all properties shall be maintained at all times except when work is occurring at the access point. Minimal delays will be allowed to provide access within the work zone area. Driveway access shall be fully restored at the end of each workday. Driveways disturbed by the contractor shall be replaced with in-kind or better materials.
- 4. Residents and businesses shall be notified in writing, as approved by the County, 48 hours in advance of any impacts to their access.
- 5. Any areas where parking is to be restricted shall have signs noting the restrictions in place at least 48 hours in advance.
- 6. Existing fences shall not be removed without written consent of the property owner. Such consent shall be submitted to the County prior to the removal. Fences removed shall be restored with inkind or better materials. Restored fences shall not encroach into County right-of-way.
- 7. All destroyed or obliterated pavement markings must be replaced in kind by the permittee. Typical pavement markings include but not limited to lane lines, centerlines, stop and stop ahead legends, limit lines, raised pavement markers and miscellaneous delineators.
- 8. The Permittee is responsible for the preservation of survey monuments located within the area of work herein permitted. Prior to the start of construction, survey monuments that potentially may be disturbed shall be located and referenced by a Licensed Land Surveyor, and a Corner Record filed with the County Surveyor. Any Survey Monuments disturbed during the course of construction shall be reestablished by a Licensed Land Surveyor and another Corner Record filed with the County Surveyor. (Land Surveyors' Act Section 8771)
- 9. All pipe and pipeline related facilities including, but not limited to, valves, utility boxes and vaults, and frames and covers shall be maintained by the City of Tracy, including any facilities that are abandoned in place. City of Tracy shall be responsible for any and all costs associated with the removal, relocation and/or adjustment of these facilities as determined by the County at the City's expense. (Streets and Highways Code Section 1463)
- 10. All future maintenance of the pipeline and related facilities within the County right-of-way will require a San Joaquin County Encroachment Permit.

- 11. Trenches shall be maintained in a smooth and even condition to the satisfaction of the County throughout the project limits at all times.
- 12. All trenches shall be completely backfilled or shored and plated at the end of each workday, and the roadway restored to two-way traffic. If plating is to be used, a trench shoring and plating plan suitable for traffic loadings shall be prepared by a registered civil engineer and submitted for prior approval by the County.
- 13. The contractor shall use San Joaquin County Improvement Standard R-29 when backfilling trenches within the County right-of-way. Where the existing road structural section is below standard, a minimum section of 3 inches of asphalt concrete over 8 inches of aggregate base shall be required.
- 14. Final paving for trench repair or road resurfacing shall be per Caltrans' specifications and shall not occur between November 1 and March 31, without prior authorization from the San Joaquin County Department of Public Works Field Engineering Division, contact them at 209-953-7421.
- 15. No paving joints are allowed within paved shoulder; contractor shall pave all the way to outer edge of paved shoulder.
- 16. Class II Aggregate Base shoulder backing is required from the edge of pavement, a minimum of 4-inches thick by 2-feet wide.
- 17. Contractor shall establish existing roadway and drainage grades within the construction area. Any repair to roadways and adjacent areas shall match existing grades. Any proposed grade changes shall receive prior approval from County.
- Above ground vaults, panels and/or other similar facilities will be allowed within the right-of-way if located as far to the outside edge as possible. Utility vaults shall be located a minimum of 4'-0" from edge of pavement.
- 19. County roads shall be kept clean from mud and debris at all times along the access points and work zone areas during entire project. All standard roadway striping and signage shall be clearly visible, maintained and restored throughout the construction zone during and after the project.
- 20. In addition to standard dust control measures, streets shall be maintained in a clean condition, free of dirt, mud and debris during construction activities. The contractor shall provide daily, or as needed, street sweeping using a modern mechanical or vacuum-assisted street sweeper.
- 21. The contractor shall not conduct construction operations in rain or heavy fog conditions.



GENERAL PROVISIONS

GOVERNING INSTALLATION OF SUBSURFACE STRUCTURES AND PIPELINES WITHIN COUNTY ROAD RIGHTS-OF-WAY

PUBLIC CONVENIENCE AND SAFETY:

- Before obstructing any private driveway entrance or County road traveled way with a trench, spoil bank, equipment or other barrier permitted for any prolonged period of time, the Permittee shall notify the known users of the respective thoroughfare(s) involved, and shall provide access for vehicular and pedestrian traffic to and from the road.
 - Unless otherwise permitted, all work shall be conducted in such a manner that no less than one lane of the existing County road traveled way will be maintained open to public traffic during working hours in a smooth and safe riding condition(s). Two lanes shall be open after working hours.
 - In cases where road closure is permitted, the permission to close the road will be granted under the condition that the Permittee notify the following persons and/or agencies of the time, the period of closure, and the detour route at least twenty-four (24) hours prior to said road closure. d.
 - The County of San Joaquin Public Works Department

The local fire district The local school district

The County of San Joaquin Sheriff's Office The local postal service

e, The local residents involved

- Should hazardous conditions relative to the installation operations warrant flagmen, as many capable flagmen as may be necessary shall be provided by the Permittee and stationed in advance of work to warn and direct traffic.
- Lights, signs and barricades shall be furnished, erected and maintained by the Permittee for the adequate warning and convenience of the public, with particular attention to be taken in this regard after dark.
- Any excess dirt and/or debris which might be a hazard to either automobile or pedestrian traffic, uncontrollable by lights, signs and barricades, shall be removed from the jobsite daily.

STRUCTURES:

- Walls of structures shall be such quality and strength that they will resist all pressures and will not crack or be deformed in such a way as to create a hazard or maintenance problem at any time. Therefore, the minimum structural requirements for concrete pipe placed under county road rights-of-way shall conform to the following American Association of State Highway and transportation Officials (AASHTO) designations.
 - 1. For concrete pipe up to and including thirty-three inches (33") inside diameter, extra strength concrete conforming to AASHTO Designation M
 - For concrete pipe thirty-six inches (36") inside diameter and larger, reinforced concrete pipe conforming to AASHTO Designation M 170M Class 2.
 - Plastic pipe conforming to AASHTO Designation M294.
- B. All concrete pipe joints with County road rights-of-way shall be sealed against leakage and/or infiltration with rubber gasket in conformance with Section 65-1:06 of the California Standard Specifications, or with other methods as may be permitted under the Special Provisions.
- Cast-in-place concrete pipe, vitrified clay pipe, spiral welded steel pipe, or corrugated aluminum alloy pipe shall not be installed within the County road rights-of-way unless specifically so stated in the Special Provisions, and only under the conditions as provided.
- All structures to be buried within the County rights-of-way shall be set at such elevations as to allow minimum coverage of thirty inches (30") to the centerline of the roadways and twelve inches (12") at the bottoms of borrow ditches each side of the roadways. The depths of structures shall be established below a flat plane extending across the rights-of-way, no part of which shall extend above the elevations stated above; manholes, lampholes, valves, etc. not included. Future surface elevations shall be anticipated as nearly as possible and structure elevations shall be established for future adjustments accordingly.
- The County hereby reserves the right to specify in the Special Provisions the gage and surface treatment of any galvanized corrugated metal pipe that is to be
- All longitudinal utility facilities are to be established (and dimensioned on sketches) from surveyed centerline of road right-of-way, not from right-of-way (border) lines.

REPAIRS OF THE COUNTY RIGHT-OF-WAY:

- All excavations shall be backfilled and compacted immediately after work therein has been completed.
- Trenched shall not be left open farther than 300 feet in advance of pipe laying operations, or 200 feet to the rear thereof, unless otherwise permitted by the
- Unless otherwise permitted under the Special Provisions, backfill shall be placed and mechanically compacted in such a manner that the relative compaction throughout the entire fill within the County road right-of-way shall conform to the percentages of compaction as shown on the Trench detail.
- Backfill material shall be placed in horizontal uniform layers not to exceed in thickness, before compaction, 0.67 foot in the bedding region, one -foot where 90% compaction is required, and two-feet where 80% compaction is required.
- No portion of the excavation(s) shall be compacted by ponding or jetting unless a maintenance bond is provided.
- Gravel backfill material shall be utilized only where specifically so stated on the face of the permit. It shall be compacted by means of a high-frequency internal vibrator, the compactor to be a size and type approved by the Engineer. Points of compaction shall not be greater than 18" centers and to the full depth of the lift.
- All pavements, curbs, gutters, sidewalks, borrow ditches, pipes, head walls, road signs, trees, shrubbery, and/or other permanent road facilities impaired by or as a result of construction operations at the construction site(s) occupied by materials and/or equipment, shall be restored immediately upon backfilling of the excavation to the original grades and cross sections, and to a condition as good as, or better than existing prior to construction.
- All surfacing materials of roadways and driveway approaches cut or damaged by or as a result of construction operations, shall be replaced within ONE WEEK following the backfilling of excavation, weather permitting, with compacted layers of surfacing materials at least as thick as the existing, and no less than two inches (2") of asphalt concrete over six inches (6") of aggregate base, both as specified below.
 - Asphalt Concrete: Combined mineral aggregate shall conform to the quality and gradation requirements for Type "B" one-half inch(1/2) maximum aggregate, coarse or medium gradation as specified in Section 39 of the California Standard Specifications. The bituminous binder to be mixed with mineral aggregate shall be paving asphalt having (Grade PG 64-10), unless otherwise directed by the Engineer. Placement of asphalt concrete surfacing shall conform to the applicable provisions of Section 39 of the California Standard Specifications.
 - Aggregate Base: Combined mineral aggregates shall conform to the quality and the grading for three-quarter inch (3/4") maximum size aggregate Class 2 Aggregate Base specified in Section 26 of the California Standard Specifications.
- Before acceptance of repairs to the County road rights-of-way, all unsightly and detrimental dirt, dust and/or debris shall be removed and the construction areas left in a neat and presentable condition(s).
 - If necessary, County road traveled way and driveway pavements shall be washed with water to remove dirt and dust.
 - Driveway approaches and field entrance pavements damaged by equipment or spoil banks shall be repaired as directed by the Engineer.
- Upon request by the County, any settlement, sagging of surface, or cracking of pavement shall be repaired immediately by and at the sole expense of the Permittee for a period of one year following acceptance of the work.

SPECIAL PROVISIONS

Winter Weather Utility Work

- 1. <u>SUPERVISION:</u> The utility company (**permittee**) shall furnish full-time supervision of all work to insure compliance with the permit provision.
- 2. <u>START OF WORK:</u> No work within the County right-of-way shall be started until the utility company representative has made an evaluation of weather conditions and has determined the work can be accomplished under the provisions of the permit.
- 3. <u>CLEAN PAVEMENT:</u> Dirt and mud shall not be deposited on the pavement outside the area of work, and if inadvertently tracked onto the road travel way shall be removed immediately.
- 4. **DAILY RESTORATION:** Private driveways and road intersections shall be restored daily.
- 5. <u>WEATHER-TIGHT CONDITIONS:</u> All trenches shall be filled and compacted, ditches and other drainage facilities regarded and opened, and the entire work area restored to weather-tight condition prior to any rain.

GENERAL NOTES:

- 1. GEOTECHNICAL INFORMATION:
 - PER GEOTECHNICAL EXPLORATION PREPARED BY ENGEO INC., PROJECT NO. 11243.000.000 AND PREVIOUS WORK IN THE AREA
- SOIL DESCRIPTION: SILTY SAND, SANDY LEAN CLAY, LEAN CLAY, POORLY GRADED SAND W/ SILT
- 3. WATER TABLE LOCATION:
 - AT OR BELOW BOTTOM OF EXCAVATION
- 4. THIS PLAN IS PROVIDED FOR WORKER PROTECTION ONLY TO ALLOW TEMPORARY ACCESS DURING CONSTRUCTION. CONTRACTOR SHALL VERIFY THAT THE SHORING PROVIDES SUFFICIENT WORK SPACE AND CLEARANCES PRIOR TO ORDERING MATERIALS OR COMMENCING WORK.
- ALL WORK SHALL BE COMPLETED IN CONFORMANCE WITH THE CONTRACT DOCUMENTS.
- 6. THE SHORING IS ASSUMED TO BE IN PLACE THREE MONTHS OR LESS. ALL WORK IS ASSUMED TO BE COMPLETED DURING THE DRY SEASON AND DURING RAIN EVENTS, SLOPES SHALL BE PROTECTED WITH PLASTIC SHEET OR OTHER APPROVED MEANS TO PREVENT EROSION AND SLOUGHING.
- THIS PLAN WAS GENERATED BASED ON GUIDELINES PROVIDED IN THE CALIFORNIA TRENCHING AND SHORING MANUAL.
- 8. EGRESS, WHICH MAY INCLUDE LADDERS, RAMPS, STAIRWAYS, OR OTHER APPROVED MEANS, SHALL BE IN PROVIDED IN ACCORDANCE WITH O.S.H.A. REQUIREMENTS FOR CONSTRUCTION.
- 9. EXCAVATION SHALL BE DUG NEAT AND TIGHT TO THE WALLS OF THE SHORING SYSTEM. FILL VOIDS BETWEEN THE SHORING AND EXCAVATION LINE WITH SOIL OR BEDDING MATERIAL.
- 10. CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES WITHIN THE WORK AREA PRIOR TO EXCAVATION. THE UNDERGROUND SERVICE ALERT SHALL BE CONTACTED BY DIALING 811 AT LEAST TWO WORKDAYS PRIOR TO EXCAVATING. UTILITIES WITHIN THE WORK AREA SHALL BE ADEQUATELY PROTECTED TO PREVENT DAMAGE.
- 11. HANDRAILS, GUARDRAILS, AND/OR BARRIERS SHALL BE PROVIDED IN ACCORDANCE WITH O.S.H.A. REQUIREMENTS FOR CONSTRUCTION.
 - **EQUIPMENT & SPOIL** OFFSET TABLE SPOIL PILE X = 5'-0"**EXCAVATOR** X = 4'-0"X = 4'-0''3 CY LOADER HS 20-44 TRAFFIC X = 5'-0"K - RAIL X = 2'-0"X = 5'-0"DUMP TRUCK CONCRETE TRUCK ** X = 8'-0"5 CY LOADER X = 5'-0"CRANE*** X = 8'-0"
 - * SPOIL PILE OF 8'-0" TALL W/ 1:1 SLOPE ON SIDE FACING EXCAVATION
 - ** THIS APPLIES ONLY WHEN CONCRETE TRUCK IS LOADED AND TAG AXLE IS OFF THE GROUND (LIFTED UP)
 - *** LINK-BELT HSP-8050 OR EQUAL WITH A MAXIMUM LOAD OF 10,000 LBS.

- 12. PROTECTION FROM HAZARDOUS ATMOSPHERES SHALL BE PROVIDED.
- 13. WORKERS SHALL REMAIN WITHIN THE PROTECTED AREA AT ALL TIMES.
- 14. WORKERS AND THE PUBLIC SHALL BE PROTECTED FROM ALL POTENTIAL ONSITE HAZARDS INCLUDING ACCUMULATING WATER, LOOSE OR FALLING DEBRIS, AND UNSTABLE ADJACENT STRUCTURES.
- 15. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL EXCAVATION METHODS AND PROCEDURES AND SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT LIFE AND PROPERTY DURING CONSTRUCTION.
- 16. A COMPETENT PERSON SHALL PROVIDE INSPECTIONS DAILY, AFTER RAIN STORMS, AND AS REQUIRED FOR HAZARDOUS CONDITIONS. INSPECTIONS SHALL BE PROVIDED BEFORE WORKERS ENTER THE PROTECTED AREA AND AS NEEDED THROUGHOUT THE WORK PERIOD. THE COMPETENT PERSON SHALL CHECK FOR POTENTIAL CAVE—INS, INDICATIONS OF FAILURE OF THE PROTECTIVE SYSTEM, AND HAZARDOUS ATMOSPHERES. IF THE COMPETENT PERSON FINDS OR SUSPECTS A HAZARDOUS SITUATION, WORKERS SHALL BE REMOVED FROM THE PROTECTED AREA AND OUR OFFICE SHOULD BE NOTIFIED IMMEDIATELY. NO WORKERS SHALL RETURN TO THE PROTECTED AREA UNTIL REMEDIAL MEASURES THAT HAVE BEEN APPROVED BY B.K. WELLINGTON ENGINEERING (B.K.W.E) OFFICE ARE IN PLACE TO INSURE THEIR SAFETY.
- 17. DESIGN SURCHARGE DOES NOT INCLUDE RAILROAD LOADING. IF RAILROAD IS CLOSER THAN 15' + 2 TIMES THE DEPTH OF EXCAVATION FROM THE RAILROAD ELEVATION PLEASE NOTIFY B.K.W.E. FOR POSSIBLE REDESIGN.
- 18. NOTIFY B.K.W.E. FOR APPROVAL OR POSSIBLE REDESIGN IF UTILITIES OF 30" IN DIAMETER OR LARGER ARE FOUND WITHIN 48" OF THE SHORING WHICH ARE NOT SHOWN ON THE SHORING DRAWINGS.
- 19. NOTIFY B.K.W.E. FOR APPROVAL OR POSSIBLE REDESIGN IF STRUCTURES ARE CLOSER THAN 1.5 TIMES THE DEPTH OF EXCAVATION FROM THE SHORING WHICH ARE NOT SHOWN ON THE SHORING DRAWINGS.
- 20. SPOILS SHALL BE PLACED SO THAT RAINWATER AND OTHER RUN-OFF WATER IS CHANNELED AWAY FROM THE EXCAVATION. SPOILS SHALL BE PLACED SO THAT THEY CANNOT RUN, SLIDE, OR FALL BACK INTO THE EXCAVATION.

21. TO MAINTAIN THE WATER LEVEL AT THE BOTTOM OF THE EXCAVATION DEWATERING WELLS (THE AMOUNT AS NEEDED) MAYBE REQUIRED

SPECIFICATION

- 1. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING:
 --WIDE FLANGE, HP, AND STRUCTURAL TEE SHAPES SHALL CONFORM TO
 ASTM A36, A572, OR A992 (GRADE 50).
- -CHANNELS AND ANGLES SHALL CONFORM TO ASTM A36. -STRUCTURAL PLATE SHALL CONFORM TO ASTM A36, U.N.O.
- -HOLLOW STRUCTURAL SECTIONS (HSS) SHALL CONFORM TO ASTM A500, GRADE B (46 KSI).
- -PIPE SHALL CONFORM TO ASTM A53, GRADE B (42 KSI).
- WELDING SHALL BE IN ACCORDANCE WITH CURRENT AWS WELDING CODE USING E70 SERIES ELECTRODES.

SHORING SHIELD NOTES:

- MANUFACTURER'S TABULATED DATA SHALL BE KEPT ON SITE WITH A COPY ATTACHED TO THESE PLANS.
- 2. MANUFACTURER'S SPECIFICATIONS FOR USE SHALL BE ADHERED TO.
- ALTERNATE SHIELD SIZES WITH EQUIVALENT SOIL PRESSURE CAPACITY (PSF RATING) MAY BE SUBSTITUTED WITH WRITTEN APPROVAL FROM B.K.W.E.
- 4. FOR STACKED SHIELDS, STACKING PINS SHALL BE INSTALLED.
- PICKING AND SETTING SHIELDS SHALL UTILIZE MANUFACTURER SPECIFIED LOCATIONS.
- 6. THE SHIELD SHORING SHOULD EXTEND AT LEAST 18" (0.45 m) ABOVE THE SURROUNDING AREA IF THERE IS SLOPING TOWARD EXCAVATION.
- 7. THE 1" STEEL PLATE SHALL NOT REST ON THE SHELD STRUTS. THE STEEL PLATE MUST BE SUPPORTED WITH WELD, CHAIN, PER DESIGN OR OTHERWISE METHOD IF NOT IN CONTACT WITH SUBGRADE.

DA DI

PROFESSIONAL WELLING OF CALIFORNIA

SIGNATURE DATE:
APR 2 5 2017

REVISIONS NO. DATE

CONSTRUCTION
AN MID HESCHESS COMPANY
W. CLAY STREET

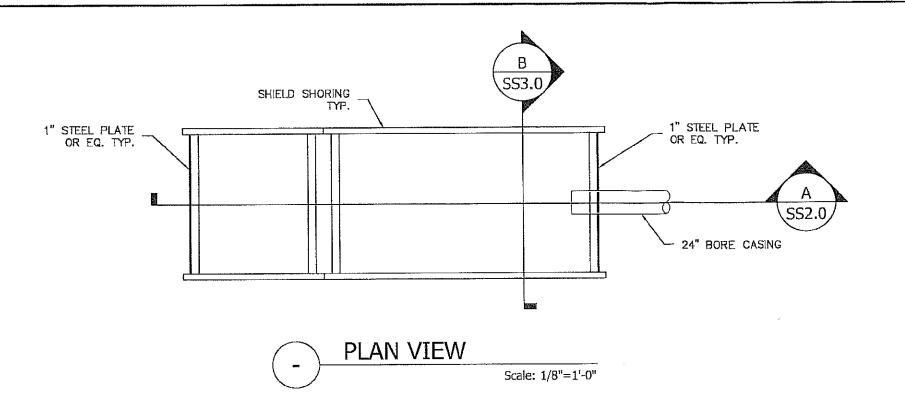
DCT INDUSTRIAL
WEST ARBOR AVENUE
BORE PIT DESIGN, ARBOR & MACARTHUR
CITY OF TRACY, CA
SHIELD SHORING TRENCH DESIGN

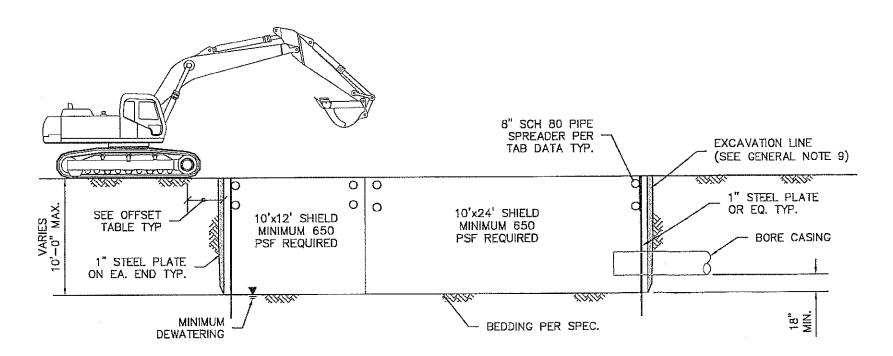
B.K. WELLINGTON
Engineering
7 MONTGOMENY DRIVE, SIE C. - SMIA ROSA, CA 98
PH:(707) 595-5423 - FX:(707) 595-5723

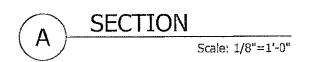
 $\begin{array}{c} 04/25/17 \\ \text{SCALE} \\ \text{AS NOTED} \\ \text{DRAWN} \\ \text{B.K.W.} \\ \text{JOB NO.} \\ 17.103-01 \\ \text{SHEET NO.} \\ \\ \text{S} \\ \text{S} \\ \text{1.0} \\ \end{array}$

SHEET 1 OF 3









REVISIONS NO. DATE

Min. CONSTRUCTION
AN ADDRESSORES COMMIN
655 W. Clay Street
Stockton, CA 95206
Phone: 209,948.0302

BORE PIT DESIGN, ARBOR & MACARTHUR CITY OF TRACY, CA SHIELD SHORING TRENCH DESIGN DCT INDUSTRIAL WEST ARBOR AVENUE

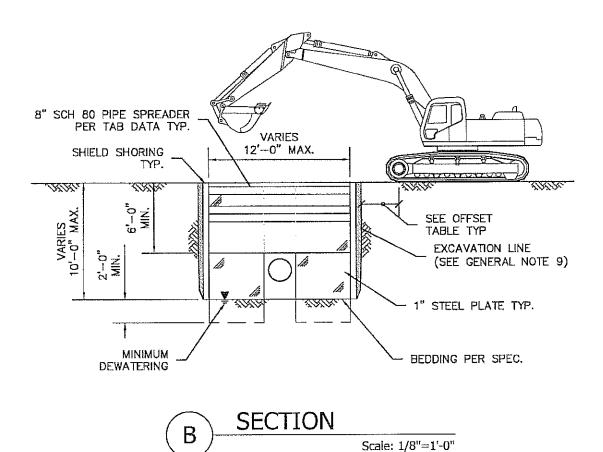
WELLINGTON Engineering B.K.

MONTBOWERY DRIVE, STE C - SANTA ROSA, CA PH:(707) 595—5423 - FX:(707) 595—5723

04/25/17 DRAWN B.K.W. JOB NO.

APR 2 5 2017

No. 63545 Exp. 9/30/18 AS NOTED 17.103-01 SHEET NO. SS2.0 SHEET 2 OF 3





REVISIONS NO. DATE

Illing CONSTRUCTION
MUNDHESOMES COMPANY
655 W. Clay Street
Stockton, CA 95206
Phone: 209,948,0302

Engineering

4527 MONTGOMENY DRIVE, STE C - SANTA ROSA, CA 95409
PH.(707) 595—5423 - FX (707) 595—5723

04/25/17

SCALE AS NOTED DRAWN B.K.W.

JOB NO. 17.103-01 SHEET NO.

SS3.0 SHEET 3 OF 3

No. 63545 Exp. 9/30/18 OF CALIFOR SIGNATURE DATE: APR 2 5 2017

GENERAL NOTES:

- 1. GEOTECHNICAL INFORMATION: PER GEOTECHNICAL INVESTIGATION PREPARED BY BSK ASSOCIATES (G14-191-10L) AND PREVIOUS WORK IN THE AREA
- 2. SOIL DESCRIPTION: SILTY SAND, CLAY, SAND
- 3. WATER TABLE LOCATION: AT OR BELOW BOTTOM OF EXCAVATION
- THIS PLAN IS PROVIDED FOR WORKER PROTECTION ONLY TO ALLOW TEMPORARY ACCESS DURING CONSTRUCTION. CONTRACTOR SHALL VERIFY THAT THE SHORING PROVIDES SUFFICIENT WORK SPACE AND CLEARANCES PRIOR TO ORDERING MATERIALS OR COMMENCING WORK.
- 5. ALL WORK SHALL BE COMPLETED IN CONFORMANCE WITH THE CONTRACT DOCUMENTS.
- THE SHORING IS ASSUMED TO BE IN PLACE THREE MONTHS OR LESS. ALL WORK IS ASSUMED TO BE COMPLETED DURING THE DRY SEASON AND DURING RAIN EVENTS, SLOPES SHALL BE PROTECTED WITH PLASTIC SHEET OR OTHER APPROVED MEANS TO PREVENT EROSION AND SLOUGHING.
- THIS PLAN WAS GENERATED BASED ON GUIDELINES PROVIDED IN THE CALIFORNIA TRENCHING AND SHORING MANUAL.
- EGRESS, WHICH MAY INCLUDE LADDERS, RAMPS, STAIRWAYS, OR OTHER APPROVED MEANS. SHALL BE IN PROVIDED IN ACCORDANCE WITH O.S.H.A. REQUIREMENTS FOR CONSTRUCTION.
- 9. EXCAVATION SHALL BE DUG NEAT AND TIGHT TO THE WALLS OF THE SHORING SYSTEM. FILL VOIDS BETWEEN THE SHORING AND EXCAVATION LINE WITH SOIL OR BEDDING MATERIAL.
- 10. CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES WITHIN THE WORK AREA PRIOR TO EXCAVATION. THE UNDERGROUND SERVICE ALERT SHALL BE CONTACTED BY DIALING 811 AT LEAST TWO WORKDAYS PRIOR TO EXCAVATING. UTILITIES WITHIN THE WORK AREA SHALL BE ADEQUATELY PROTECTED TO PREVENT DAMAGE.
- 11. HANDRAILS, GUARDRAILS, AND/OR BARRIERS SHALL BE PROVIDED IN ACCORDANCE WITH O.S.H.A. RÉQUIREMENTS FOR CONSTRUCTION.

- 12. PROTECTION FROM HAZARDOUS ATMOSPHERES SHALL BE PROVIDED.
- 13. WORKERS SHALL REMAIN WITHIN THE PROTECTED AREA AT ALL TIMES.
- 14. WORKERS AND THE PUBLIC SHALL BE PROTECTED FROM ALL POTENTIAL ONSITE HAZARDS INCLUDING ACCUMULATING WATER, LOOSE OR FALLING DEBRIS, AND UNSTABLE ADJACENT STRUCTURES.
- 15. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL EXCAVATION METHODS AND PROCEDURES AND SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT LIFE AND PROPERTY DURING CONSTRUCTION.
- 16. A COMPETENT PERSON SHALL PROVIDE INSPECTIONS DAILY, AFTER RAIN STORMS, AND AS REQUIRED FOR HAZARDOUS CONDITIONS. INSPECTIONS SHALL BE PROVIDED BEFORE WORKERS ENTER THE PROTECTED AREA AND AS NEEDED THROUGHOUT THE WORK PERIOD. THE COMPETENT PERSON SHALL CHECK FOR POTENTIAL CAVE-INS, INDICATIONS OF FAILURE OF THE PROTECTIVE SYSTEM, AND HAZARDOUS ATMOSPHERES. IF THE COMPETENT PERSON FINDS OR SUSPECTS A HAZARDOUS SITUATION, WORKERS SHALL BE REMOVED FROM THE PROTECTED AREA AND OUR OFFICE SHOULD BE NOTIFIED IMMEDIATELY. NO WORKERS SHALL RETURN TO THE PROTECTED AREA UNTIL REMEDIAL MEASURES THAT HAVE BEEN APPROVED BY B.K. WELLINGTON ENGINEERING (B.K.W.E) OFFICE ARE IN PLACE TO INSURE THEIR SAFETY.
- 17. DESIGN SURCHARGE DOES NOT INCLUDE RAILROAD LOADING. IF RAILROAD IS CLOSER THAN 15' + 2 TIMES THE DEPTH OF EXCAVATION FROM THE RAILROAD ELEVATION PLEASE NOTIFY B.K.W.E. FOR POSSIBLE REDESIGN.
- 18. NOTIFY B.K.W.E. FOR APPROVAL OR POSSIBLE REDESIGN IF UTILITIES OF 30" IN DIAMETER OR LARGER ARE FOUND WITHIN 48" OF THE SHORING WHICH ARE NOT SHOWN ON THE SHORING DRAWINGS.
- 19. NOTIFY B.K.W.E. FOR APPROVAL OR POSSIBLE REDESIGN IF STRUCTURES ARE CLOSER THAN 1.5 TIMES THE DEPTH OF EXCAVATION FROM THE SHORING WHICH ARE NOT SHOWN ON THE SHORING DRAWINGS.
- 20. SPOILS SHALL BE PLACED SO THAT RAINWATER AND OTHER RUN-OFF WATER IS CHANNELED AWAY FROM THE EXCAVATION. SPOILS SHALL BE PLACED SO THAT THEY CANNOT RUN, SLIDE, OR FALL BACK INTO THE EXCAVATION.

21. TO MAINTAIN THE WATER LEVEL AT THE BOTTOM OF THE EXCAVATION DEWATERING WELLS (THE AMOUNT AS NEEDED) MAYBE REQUIRED

SPECIFICATIONS:

- 1. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING: -WIDE FLANGE, HP, AND STRUCTURAL TEE SHAPES SHALL CONFORM TO ASTM A36, A572, OR A992 (GRADE 50). -CHANNELS AND ANGLES SHALL CONFORM TO ASTM A36. -STRUCTURAL PLATE SHALL CONFORM TO ASTM A36, U.N.O. -HOLLOW STRUCTURAL SECTIONS (HSS) SHALL CONFORM TO ASTM A500, GRADE B (46 KSI). -PIPE SHALL CONFORM TO ASTM A53, GRADE B (42 KSI).
- 2. WELDING SHALL BE IN ACCORDANCE WITH CURRENT AWS WELDING CODE USING E70 SERIES ELECTRODES.

TRAFFIC COVER NOTES:

- 1. TRAFFIC COVER DESIGNED FOR HS20-44 TRAFFIC LOADING PER CALTRANS BRIDGE DESIGN SPECIFICATION.
- 2. MANUFACTURER'S SPECIFICATIONS FOR USE SHALL BE ADHERED TO.
- 3. PICKING AND SETTING TRAFFIC PLATES SHALL UTILIZE MANUFACTURER SPECIFIED LOCATIONS.

REVISIONS NO. DATE

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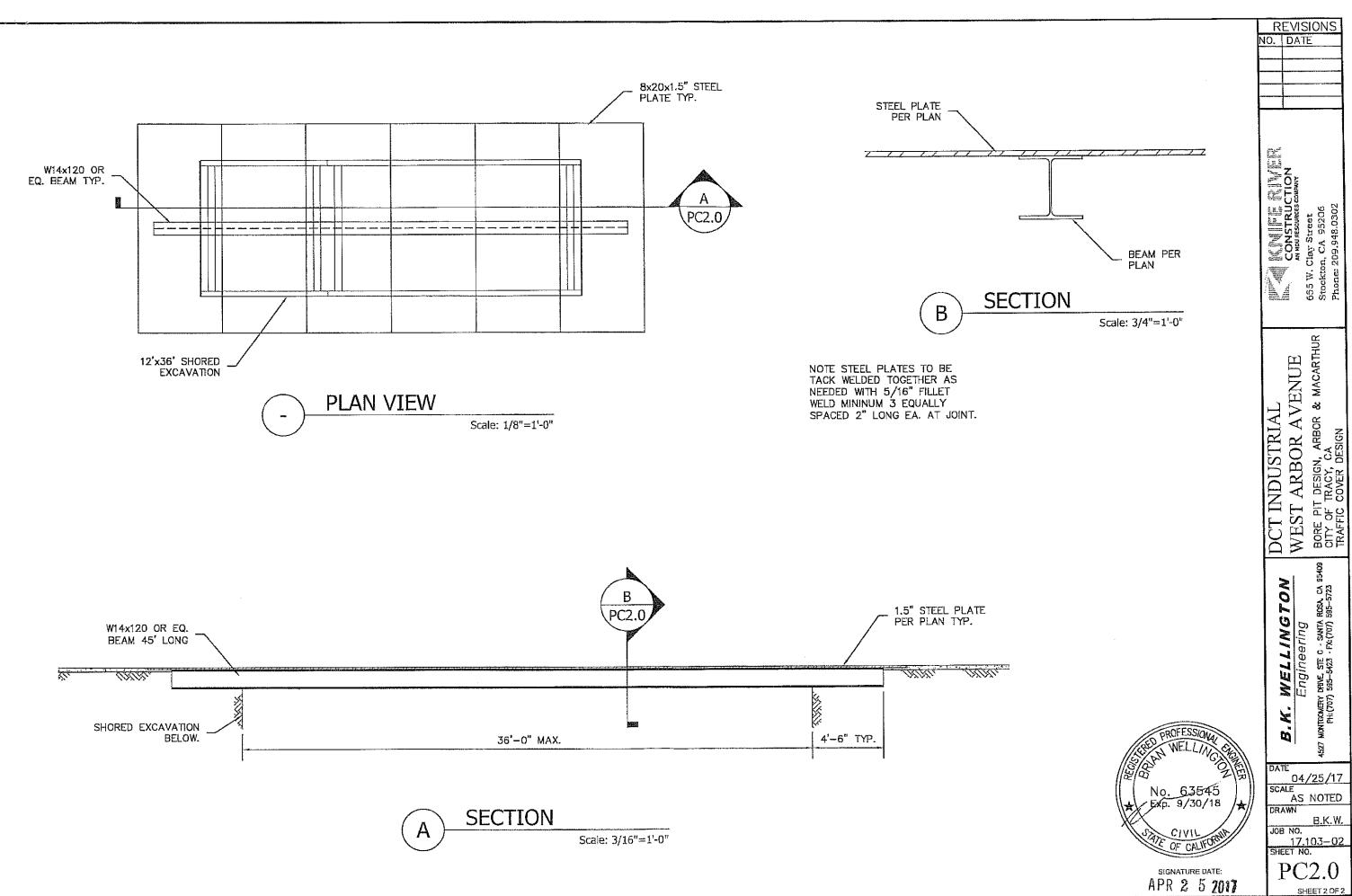
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04/25/17 SCALE AS NOTED 17,103-02 SHEET NO.

- ALL WORK SHALL CONFORM TO THE CITY OF TRACY SPECIFICATIONS AND STANDARD PLANS, THE WORK IS SUBJECT TO THE INSPECTION AND APPROVAL OF THE CITY ENGINEER, AND THE ENGINEERING DIVISION INSPECTORS. CONTACT REGINEERING DIVISION CONTRICT WAS PURIOR. TO SECOND AND APPROVAL OF THE CITY DIVISION, CONTRICT PROVATION OF THE WORKING DAYS (48 HOURS) PRIOR TO THE START OF ANY WORK TO ARRANGE FOR INSPECTION.
- . THESE PLANS HAVE BEEN CHECKED BY THE CITY OF TRACY FOR CONFORMANCE WITH THE CITY'S MINIMUM STANDARDS, BUT SUCH CHECKING BY THE CITY DOES NOT RELEVE THE DEVELOPER REOM ITS RESPONSIBILITY TO FIND AND CORRECT RERORS, OMISSIONS OR MAKE CHANGES REQUIRED BY CONDITIONS DISCOVERED IN THE FIELD DURING THE COURSE OF CONSTRUCTION. ANY REQUEST BY THE DEVELOPER TO CHANGE THESE PLANS SHALL BE SUBMITTED IN WAITING TO THE CITY ENGINEER.
- EFER TO THE FINAL MAP OF THIS TRACT FOR PROPERTY LINE DATA.
- L CONSTRUCTION STAKING FOR CURB, GUTTER, SIDEWALK, SANITARY SEWERS, STORM DRAINS, WATER LINES, FIRE DRANTS, AND ELECTROLIERS, ETC., SHALL BE DONE BY A REGISTERED CIVIL ENGINEER OR LICENSED LAND SURVEYOR.
- THE EXISTING LITELTIES ARE PLOTTED FROM AVAILABLE RECORDS. THE DEVLOPER SHALL TAKE PRECAUTIONARY MEASURES TO PROTECT THESE UTILITIES. THE DEVELOPER SHALL PERFORM NO EXCAVATION UNTIL ALL UTILITY AGENCIES AND THE CITY OF TRACY HAVE REEN NOTHERD AND HAVE BEEN GIVEN THE OPPORTUNITY TO MARK THEIR RACIUTIES IN THE FIELD. NOTIFY UNDERGROUND SEVERE ALBET AT 1800 2022 2000 TO LEAST AND THE PRECIDENCY OF THE PROPERTY OF RGROUND SERVICE ALERT AT (800) 227-2600 AT LEAST TWO (2) WORKING DAYS PRIOR TO ANY
- HOUSE SERVICES, FIRE HYDRANT LATERALS, CAS AND TELEPHONE LINES, AND ALL OTHER UNDERGROUND UTILITIES SHALL BE INSTALLED PRIOR TO CURB, GUTTER, AND SIDEWALK CONSTRUCTION AND STREET PAVING.
- SUBJECT MODIFIED STRAIT REFURNISHED AND INSTALLED BY THE DEVELOPER AT LOCATIONS SHOWN, SUBMIT A LETTER SURVEY MONUMENTS SHALL BE FUNDIFIED AND INSTALLED BY THE DEVELOPMENT COATIONS SHOWN SUBMIT ALL THE OF CERTIFICATION FROM THE LICENSED LAND SURVEYOR CERTIFYING THAT ALL MONUMENTS ARE CHECKLING MONUMENTS AND ARE INSTALLED AND TAGGED IN ACCORDANCE WITH'T THE APROVED HINAL MAP PRIOR TO TRACT ACCEPTANCE.
- ALL LINES ABANDONED DURING CONSTRUCTION SHALL BE REMOVED.
- 10. ALL SANITARY SEWER MAINS SHALL BE TELEVISION INSPECTED (TAPES SHALL BE GIVEN TO THE CITY OF TRACY), FLUSHED WITH AN APPROVED SEWER BALL AND PASS A LEAKAGE TEST IN CONFORMANCE WITH CITY OF TRACY STANDARD SPECIFICATIONS PRIOR TO ACCEPTANCE BY THE CITY, ALL TESTING SHALL BE PERFORMED AFTER THE COMPACTION OF STREET BASE ROCK AND PRIOR TO PAYING.
- 11. ALL WATER LINES SHALL BE PRESSURE-TESTED, DISINFECTED, FLUSHED, AND TESTED FOR SACTERIA IN CONFORMANCE WITH THE CITY OF TRACY DESIGN STANDARDS AND STANDARD SPECIFICATIONS PRIOR TO FINAL ACCEPTANCE BY THE CITY.

- (A) ALL INDEPENDENT LABORATORY INSPECTION CALLED FOR BY THE CITY ENGINEER WILL BE PAID FOR BY THE
- (B) ROADWAY SUB-BASE, BASE AND TRENCH BACKFILL COMPACTION TESTING SHALL BE PERFORMED BY A SOILS LAB CONTRACTING WITH THE CITY OF TRACY. (C) TESTS FOR R-VALUES ARE REQUIRED PRIOR TO THE INSTALLATION OF BASE ROCK.
- (D) A MINIMUM OF 48 HOURS NOTICE IS REQUIRED TO SCHEDULE ALL SOILS TESTING SERVICES.
- 3. STREET SIGNS SHALL BE INSTALLED AT ALL INTERSECTIONS PER CITY DESIGN STANDARDS AND STANDARD
- 14. TRAFFIC SIGNS SHALL RE INSTALLED IN CONFORMANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MITTCD). AND MUTCD CALIFORNIA SUPPLEMENTAL AT LOCATIONS SPECIFIED BY CITY DESIGN STANDARDS AND STANDARD SPECIFICATIONS
- 15. STREET STRIPING SHALL INCLUDE STOP BARS, CENTERLINE STRIPING OR MARKERS, CROSSWALKS AND ALL OTHER MARKINGS REQUIRED BY THE CITY DESIGN STANDARDS AND STRANDARD SPECIFICATIONS, STRIPING SHALL BE DONE WITH THERMOPLASTIC AND REFLECTIVE MARKERS, STRIPING ON MAJOR ROADS SHALL BE CAT-TRACKED AND APPROVED PRIOR
- 16. ALL TRENCHES SHALL BE BACK-FILLED IN ACCORDANCE WITH CITY DESIGN STANDARDS AND STANDARD SPECIFICATIONS COMPACTION SHALL BE ACHIEVED BY MECHANICAL MEANS. NO FLOODING, PONDING OR JETTING SHALL BE PER
- 17. WHEN WIDENING THE PAYEMENT ON AN EXISTING ROAD, THE EXISTING PAYEMENT SHALL BE CUT TO A NEAT LINE AND REMOVED BACK TO AN EXISTING ADEQUATE STRUCTURAL SECTION, OR TO THE ORIGINAL ROAD SECTION. AN EXPLORATION TRENCH, OR FOR HOLLING, MAY BE REQUIRED TO DETERMINE THE LIMITS OF PAYEMENT REMOVED.
- 18. EXISTING CURB AND SIDEWALK WITHIN THE PROJECT LIMITS THAT ARE DAMAGED OR DISPLACED, EVEN THOUGH THEY WERE NOT TO BE REMOVED, SHALL BE REPAIRED OR REPAIRED PER CITY STANDARD PLANS EVEN IF DAMAGE OR DISPLACEMENT OCCURRED PRIOR TO ANY WORK PERFORMED BY THE DEVELOPER.
- 19. AT THE INTERSECTION OF TWO STREETS, THE FULL STRUCTURAL SECTION OF THE MOST PROMINENT STREET SHALL BE CONTINUED THROUGH THE INTERSECTION.
- 20. THE THICKNESS OF SUB-BASE, BASE AND SURFACING SHALL BE DETERMINED BY THE CITY ENGINEER BASED ON TRAFFIC INDEX AND SOIL TEST FOR "R" VALUE TAKEN AFTER ROUGH GRADING AT THE LEVEL OF THE STREET SUB-GRADE.
- 21. ASBESTOS CEMENT PIPE (ACP) OR FITTINGS SHALL NOT BE USED WITHIN THE CITY OF TRACY.
- 22. ALL STREET MONUMENTS, LOT CORNER, AND OTHER PERMANENT PIPE OR MONUMENTS DISTURBED DURING THE PROCESS OF CONSTRUCTION SHALL BE REPLACED BEFORE ACCEPTANCE OF IMPROVEMENTS BY THE CITY OF TRACE
- 23. THE DEVELOPER SHALL CONTROL DUST AT ALL TIMES DURING CONSTRUCTION AS REQUIRED BY THE CITY OF TRACY.
- . PRIOR TO TRENCHING FOR ANY SEVER, WATER, OR STORM DRAIN PIPE, THE DEVELOPER SHALL VERIPY, IN THE FIELD, THE SIZE AND LOCATION OF THE EXISTING PIPE AT THE POINT OF CONNECTION. ANY DEVIATION FROM THE PLANS SHALL BE RESOLVED BY THE DESIGN ENGINEER PRIOR TO TRENCHING.
- S. MANHOLES, VALVES, CLEANOUTS, ETC., SHALL BE BROUGHT TO FINISH GRADE BY THE DEVELOPER AFTER THE FINAL COURSE IS PLACED.
- 26. THE INSTALLATION OF EROSION CONTROL FACILITIES SHALL BE COMPLETED PRIOR TO OCTOBER 15 AND SHALL BE MAINTAINED DAILY UNTIL APRIL 13. THESE FACILITIES SHALL CONTROL AND CONTAIN EROSION-CAUSED SILT DEPOSION AND PROVIDE FOR SAFE DISCHARCE OF SILT-FREE STORM WATER INTO EXISTING STORM DRAIN FACILITIES. DESIGN OF THESE FACILITIES MUST BE UPDATED EACH YEAR PRIOR TO SEPTEMBER 30 AND SHALL BE APPROVED BY THE CITY
- 7. IF, DURING CONSTRUCTION, ARCHAEOLOGICAL REMAINS ARE ENCOUNTERED, CONSTRUCTION IN THE VICINITY SHALL RE THATED, AN ARCHAEOLOGIST CONSULTED, AND THE CITY COMMUNITY DEVELOPMENT DEPARTMENT NOTIFIED. IF DIVINION OF THE ARCHAEOLOGIST, THE REMANS ARE SIGNIFICANT, MEASURES AS MY BE REQUIRED BY THE COM-DEVLOPMENT DIRECTORS, SHALL BETAKEN TO PROTECT THEM.
- work shall be restricted to weekdays between 7:30am and 7:00pm and weekends between 9:00am and 5:00pm, work which requires any traffic lane closures or restriction of the traveled way shall be limited To 9:00am to 3:30pm in the commute ordection and 8:00 am to 4:30 pm in the non-commute direction.
- OVERTIME COST FOR INSPECTING WORK REQUIRING CITY INSPECTION, PERFORMED BEFORE 8:00AM AND 5:00PM. L BE PAID BY THE DEVELOPER REFORE THE WORK IS AUTHORIZED.
- CONSTRUCTIONS EQUIPMENT WHICH OPERATES AT A NOISE LEVEL IN EXCESS OF 85 DECIBELS (MEASURED ON THE A-WEIGHTED SCALE DEFINED IN ANSI S-1.4) AT A DISTANCE OF 100 FEET FROM THE EQUIPMENT IS PROHIBITED.
- . THE DEVELOPER SHALL KEEP EXCAVATIONS FREE FROM WATER DURING CONSTRUCTION, THE STATIC WATER LEVEL SHALL BE DRAWN DOWN A MINIMUM OF 2 FEET BELOW BOTTOM OF EXCAVATIONS TO MAINTAIN UNDISTURBED STATE OF MATURAL SOILS AND ALLOW PRACEMENT OF ANY FILL TO SPECIFIED DENSITY, DISPOSAL OF WATER SHALL NOT DAMAGE PROPERTY OF CREATE A PUBLIC MUSANCE.
- L OF WATER INTO THE CITY SANITARY SEWER SYSYEM IS STRICTLY PROHIBITED, DISPOSAL OF WATER IN TO STORM DRAIN SYSTEM MUST BE APPROVED IN WRITING BY THE CITY ENGINEER.
- 33. DEVELOPER SHALL MAINTAIN ALL STREETS, SIDEWALKS, AND ALL OTHER PUBLIC RIGHT-OF-WAY IN A CLEAN, SAFE AND USABLE CONDITION THROUGHOUT THE COURSE OF CONSTRUCTION. ALL SPILLS OF SOIL, ROCK, CONSTRUCTION DEBRIS. ETC., SHALL BE REMOVED IMMEDIATELY FROM PUBLICLY OWNED PROPERTY, ALL ADJACENT PROPERTY, PRIVATE OF PUBLIC, SHALL BE MAINTAINED IN A CLEAN, SAFE AND USABLE CONDITION. THE DEVELOPER SHALL PROVIDE FOR SAFE, UNDBSTRUCTED ACCESS TO PRIVATE PROPERTY ADJACENT TO WORK THROUGHOUT THE PERIOD OF CONSTRUCTION.

GENERAL NOTES:

- ALL GRADING SHALL BE DONE IN ACCORDANCE WITH RECOMMENDATIONS IN THE GEOTECHNICAL AND FOUNDATION INVESTIGATION PREPARED FOR THIS SITE BY ENGED, DATED JULY 8, 2014, FILE NO. 11243-000.000 AND PER THE PAYMENT RECOMMENDATION EMBORADIUM PROVIDED BY ENGED, DATED FERRILARY 16, 2016.
- CITY OF TRACY BENCHMARK NUMBER 2015 PER RECORD OF SURVEY OF THE GEODETIC CONTROL NETWORK, RECORDED JUNE 26, 2007 IN BOOK 36 OF SURVEYS AT PAGE 118. FOUND 2° CITY OF TRACY BENCHMARK DISK STAMBED '2015' 0.9 MILES EAST OF MACARTHUR DRIVE ON THE NORTHERLY CURS OF PESCADERO AVENUE. BLEVATION 258.83'. TRACY NAVD 1988 DATUM)
- PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL CONTACT THE CITY'S PUBLIC WORKS DEPARTMENT AT (209) 831–6460 AND REQUEST A PRE CONSTRUCTION CONFERENCE.
- ALL REVISIONS TO THIS PLAN MUST BE REVIEWED BY THE DEVELOPMENT AND ENGINEERING SERVICE DEFT. PRIOR TO CONSTRUCTION AND SHALL BE ACCURATELY SHOWN ON REVISED PLANS SIGNED BY THE CITY ENGINEER.
- ALL STREET IMPROVEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PROVISIONS OF THE CURRENT CITY ORDINANCE CODE, STATE STANDARD SPECIFICATIONS, AND CITY OR COUNTY STANDARD PLANS. THE INFROVEMENTS ARE SUBJECT TO INSPECTION AND APPROVAL OF THE DEVELOPMENT AND ENGINEERING SERVICE DEPARTMENT. ARE DUBLET TO INDICATION AND AFFICIAL OF THE DEVELOPMENT AND ENGINEERING DEVICE OF SAME TO CONTACT PUBLIC WORLD CONTRUCTION INSPECTION AT 209-831-4600 AT LEAST TWO WORKING DAYS PRIOR TO THE START OF ANY WORK TO ARRANGE FOR INSPECTION.
- NOTIFY UNDERGROUND SERVICE ALERT 800-227-2500 AT LEAST TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION. THE USA AUTHORIZATION NUMBER SHALL BE KEPT AT THE JOB SITE.
- : Contractor is required by state law to actively research work area prior to construction. Viractor shall reference monuments and replace those damaged or removed during construction.
- SHOULD IT APPEAR THAT THE WORK TO BE DONE, OR ANY MATTER RELATIVE THERETO IS NOT SUFFICIENTLY DETAILED OR EXPLAINED ON THESE PLANS, THE CONTRACTOR SHALL CONTACT ENGINEER FOR SUCH FURTHER EXPLAINATIONS AS MAY BE NECESSARY.
- NO TREES SHALL BE REMOVED UNLESS THEY ARE SHOWN AND NOTED TO BE REMOVED ON THE IMPROVEMENT PLANS, ALL TREES CONFLICTING WITH GRADING, UTILITIES, OR OTHER IMPROVEMENTS, OR OVERHANGING THE SIDEWALK OR PAYMENET SO AS TO FORM, A NUSANCE OR HAZARO, SHALL BE TRIMMED AND PROPERTY GRADED AND SEALED. THE DRIP LINE OF TREES TO BE SAVED WILL BE FENCED, AND NO GRADING SHALL TAKE PLACE WITHIN THIS FENCED AREA.
- 10. THE THICKNESS OF SUBBASE, BASE, AND SURFACING SHALL BE BASED ON TRAFFIC INDEX AND SOIL TEST FOR "R" VALUE
- ALL LINES ABANDONED DURING CONSTRUCTION SHALL BE REMOVED (UNLESS OTHERWISE NOTED AND APPROVED BY CITY OF TRACY INSPECTOR).
- CONTRACTOR SHALL CONTROL DUST AT ALL TIMES DURING CONSTRUCTION AS REQUIRED BY CITY OF TRACY.
- IOLES, VALVES, CLEANOUTS ETC. SHALL BE BROUGHT TO FINISH GRADE PER TRACY STD. 114 AFTER THE FINAL G COURSE IS PLACED. PER TRACY STD. 301, MANHOLES SHALL HAYE GRADE RINGS OF 18" MIN TO 24" MAXIMUM.
- RECORDING EXISTING CONDITIONS EXISTING CONDITIONS THROUGHOUT THE PROJECT SITE THAT ARE LOCATED WITHIN THE PUBLIC RIGHT-OF-WAY DR CITY MAINTAINED EASEMENTS SHALL BE PHOTOGRAPHED AND VIDEOTAFED BY THE CONTRACTOR BEFORE STARTING CONSTRUCTION. RECORDING SHALL INCLUDE AND SHOW EVERY DETAIL OF EXISTING IMPROVEMENTS, INCLUDING THE CURRENT CONDITION OF THE CURRENT, SIGHT, AND CARRING STEEFILIGHTS, STRUCTURES NAB THE PROGECT INCLUDING THE FACE OF BUILDINGS, CANOPIES, SHADES, FENCES, AND ANY OTHER FEATURES WITHIN THE LIMITS OF WORK, PHOTOS AND VIDEOTAPE SHALL BE DELICIPED TO DUE PROJECTED.
- PRIOR TO CONSTRUCTION ACTIVITY AND WITHIN 30 DAYS OF PROJECT AWARD, ALL SURVEY MONUMENTS THAT MAY POTENTIALLY BE DISTURBED DURING CONSTRUCTION, MUST BE LOCATED AND REFERENCED BY A LICENSED LAND SURVEYOR AND A CORNER RECORD OR RECORD OF SURVEY WITH THE COUNTY SURVEYOR. ANY SURVEY MONUMENTS DISTURBED DURING THE COURSE OF CONSTRUCTION MUST BE REESTRAILSHED BY A LICENSED LAND SURVEYOR AS A NEW MONUMENT SET, AND ANOTHER CORNER ECCORD OR RECORD OF SURVEY PLEED WITH THE COUNTY SURVEYOR CAND SURVEYORS. ACT SECTION 8771), CONTRACTOR IS RESPONSIBLE FOR REFLACEMENT AND RECORDING OF SURVEY MONUMENTS DISTURBED DURING CONSTRUCTION IN ACCORDINGE WITH CITY OF TRACY OR SAN JUAQUIN COUNTY STANDARD PLANS AND SPECIFICATIONS, WHICHEVER IS APPLICABLE.

EROSION & SEDIMENT CONTROL MÉASURES

- EROSION AND SEDIMENT CONTROL MEASURES SHALL BE EFFECTIVE FOR THE DURATION OF CONSTRUCTION.
- AFTER THE UNDERGROUND STORM DRAIN SYSTEM IS INSTALLED, THE CATCH BASINS WILL BE INSTALLED (AS SOON AS PRACTICAL) AND ROCK BARRIER BAGS WILL BE PLACED AROUND THOSE CATCH BASINS AS SHOWN ON THIS FLAN UNTIL THIS STEE IS PAYED.
- SHOULD THE ON-SITE STORM DRAINS NOT BE INSTALLED CONFLETELY BY OCYOBER 15, THE CONTRACTOR SHALL CONSTRUCT TEMPORARY SEDIMENT BASINS AT THE EXISTING STORM PIPES STUBBED TO THE SITE.
- DEDICAN RESPONSIBLE FOR IMPLEMENTATION OF PROSION AND SEDIMENTATION PLAN.

JEREMY KEARNS
UNITED CONSTRUCTION COMPANY
5012 LUCE AVENUE, SUITE 102

- THE CONTRACTOR SHALL PLACE 3"-6" COARSE AGGREGATE AS A GRAVEL ROADWAY (12" MIN. THICK FOR THE FULL WIDTH AND 50 FEET LONG) AT EACH DIW ENTRANCE TO SITE. ANY MUD THAT IS TRACKED ONTO PUBLIC STREETS SHALL BE REMOVED THAT SAME DAY AND AS REQUIRED BY THE CITY OF TRACY.
- ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE STABILIZED AND CHANGES TO THIS EROSION AND SEDIMENT CONTROL PLAN SHALL BE MADE TO MEET RIELD CONDITIONS ONLY WITH THE APPROVAL OF OR AT THE DIRECTION OF THE QSP.
- ALL PAYED AREAS SHALL BE KEPT CLEAR OF EARTH MATERIAL AND DEBRIS. THE SITE SHALL BE MAINTAINED SO AS TO NINIMZE SEDIMENT-LADEN RUN-OFF TO ANY STORM DRAINAGE SYSTEM.
- THIS FIAN COVERS ONLY THE FIRST WINTER FOLLOWING GRADING, PLANS ARE TO BE RESUBMITTED FOR CITY APPROVAL PRIOR TO THE SEPTEMBER FIRST OF EACH SUBSEQUENT YEAR UNTIL THE SITE IMPROVEMENTS ARE ACCEPTED BY THE CITY.
- ALL EROSION CONTROL FACILITIES MUST BE INSPECTED AND REPAIRED AT THE END OF EACH WORKING DAY DURING 10. SEDIMENT BASINS SHALL BE CLEANED OUT WHENEVER SEDIMENT REACHES THE SEDIMENT CLEANOUT LEVEL INDICATED
- 11. BORROW AREAS AND TEMPORARY STOCKPILES SHALL BE PROTECTED WITH APPROPRIATE EROSION CONTROL MEASURES TO THE SATISFACTION OF THE CITY ENGINEER.
- 12. ALL OUT AND FILL SLOPES ARE TO BE PROTECTED TO PREVENT OVERBANK FLOW.
- INLETS WHICH ARE NOT USED IN CONJUNCTION WITH ROCK BARRIER BAGS OR SEDIMENT BASINS SHOULD BE COVERED, OR OTHERWISE ADJUSTED TO PREVENT INFLOW, UNLESS THE AREA DRAINED IS UNDISTURBED OR STABILIZED.
- 14. THIS PLAN MAY NOT COVER ALL THE SITUATIONS THAT ARISE DURING CONSTRUCTION DUE TO ANTICIPATED FIELD CONDITIONS, VARIATIONS MAY BE MADE TO THE PLAN IN THE FIELD SUBJECT TO THE APPROVAL OF THE ENGINEER.
- 15. DETAILS FOR THE CONSTRUCTION OF FACILITIES ARE SHOWN ON THESE PLANS.
- 16. MASS GRADED AREAS SHALL HAVE A SOIL BINDER APPLIED UPON COMPLETION OF GRADING AS SPECIFIED IN THE
- PPP HAS BEEN PREPARED SPECIFICALLY FOR THIS PROJECT. CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING INCLUDING QSP SERVICES.
- CONTRACTOR SHALL HYDROSEED ALL DISTURBED AREAS NOT RECEIVING FINAL LANDSCAPING WITH A NATIVE NON-IRRIGATED MIX. USE VALLEY HABITAT TRACY MIX BY PACIFIC COAST SEED.

CITY OF TRACY UTILITY NOTES:

- ALL WATER VALVES 1.2" AND LARGER SHALL BE BUTTERFLY VALVES PER STD PLAN NO. 402
- DOUBLE POLY WRAF ALL DUCTILE IRON PIPE FITTINGS AND VALVES PER CITY STANDARDS. PER CITY STANDARD SPECIFICATION 207.04, POLYWRAP SHALL BE 8 MIL. THICK AND SHALL BE SECURED WITH 10 MIL CHRISTYTAPE.
- 3. MANHOLES OUTSIDE PAVED AREAS SHALL HAVE BOLT DOWN LIDS AND CONCRETE COLLARS.
- HYDROSTATIC WATER PRESSURE AND BACTERIA TESTS ON CONSTRUCTED WATER MAINS MUST BE PERFORMED, PER THE CITY OF TRACY STANDARD SPECIFICATION 306.15, IN THE PRESENCE OF THE CITY ENGINEERING INSPECTOR, AND MUST PASS THE TEST PRIOR TO CONNECTING TO THE CITY'S EXISTING WATER DISTRIBUTION SYSTEM.
- ALL PIPE SHALL CONFORM TO THE PROVISIONS IN SECTION 207 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSWC) AS MODIFIED BY THE CITY OF TRACY STANDARD SPECIFICATIONS. WHENEVER A CONFUCT DROST SETWEEN THE SSWC AND THE CITY STANDARD SPECIFICATIONS, THE CITY STANDARD SPECIFICATIONS, THE CITY STANDARD SPECIFICATIONS.
- SANITARY SEWER PIPE: SANITARY SEWER PIPE SHALL BE EITHER VITRIFIED CLAN PIPE (VCP), OR DUCTILE IRON PIPE (DIP) AND SHALL CONFORM TO SECTION 207-8 "VITRIFIED CLAY PIPE" AND SECTION 207-9.2 "DUCTALE IRON PIPE FOR WATER AND OTHER LIQUIDS" OF SSPWC RESPECTIVELY OR SDR 2.6 PVC WITH APPROVAL OF THE CITY ENGINEER.
- SANITARY SEWER PIPE SHALL BE TESTED PER THE CITY OF TRACY STANDARD SPECIFICATION 306.15.
- STORM DRAIN PIPE: STORM DRAIN PIPE SHALL BE REINFORCED CONCRETE PIPE (RCP) CONFORMING TO SECTION 207-2 "REINFORCED CONCRETE PIPE" OF SSPINC.
- WATER RIPE, ALL WATER MAINS SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE AND SHALL CONFORM TO SECTION 207-9.2 "DUCTILE IRON PIPE FOR WATER AND OTHER LIQUIDS" AS MODIFIED BELOW:

ALL PIPE FOR WATER MAINS SHALL BE DUCTILE IRON PIPE, THICKNESS CLASS 51 FOR 4" AND CLASS 50 FOR ALL OTHER SIZES, CIMENT MORTAR LINED, AND SHALL CONFORM TO THE PROVISIONS OF AWWA C151 AND C104 AN SHALL HAVE "TYTON" TYPE JOINTS. STANDARD BITUMINOXIS COATING SHALL BE APPLIED TO OUTSIDE OF PIPE BY MARIFACTURED.

- UNLESS OTHERWISE SPECIFIED, FITTINGS FOR DUCTILE IRON PIPE SHALL BE CLASS 250 FOR 3-INCH SIZE AND LARGER, MECHANICAL JOINTS CONFORMING TO THE REQUIREMENTS OF AWAY CT 10. FITTINGS SHALL BE GEMENT MORTAR LINED IN ACCORDANCE WITH AWAY CTOA. THE OUTSIDE OF THE FITTINGS SHALL BE INTUINIOUS COATED, NUTS AND BOLTS SHALL CONFORM TO THE PROVISIONS OF ANS ISPECIFICATIONS BT 8.2. FITTINGS FOR TER AND SMALLER SHALL BE OF BRASS CONSTRUCTION
- ALL BURIED FERROUS METAL SHALL BE PROTECTED FROM CORROSION, INCLUDING BUT NOT UMIFED TO VALVES, FITTINKS, PPE, FEXIBLE COUPLINGS AND HYDRANT PIPING WITH POLYWRAP IN ACCORDANCE WITH AWMA CIDS. POLYETHYLENE PROTECTIVE WRAPPING POLYWRAP SHALL BE 8 MIL. THICK SHEETS CULT FROM TUBES SUPPORT OF SHALL BE 8 MIL. THICK SHEETS CULT FROM TUBES SUPPORT OF SHALL PROFESSION BE SECURED WITH 8 MIL. THICK I—NC WIDE SCOTCHWRAP AS MANUFACTURED BY MINNESOTA MINING AND MANUFACTURING CO., OR APPROVED EQUAL THE
- 10. EXISTING MANHOLE RIMS ARE TO BE ADJUSTED, PER STANDARD PLAN 114, LIMITS THE USE OF GRADE RINGS TO 18
- SANITARY SEWER MANHOLES SHALL BE T-LOCK LINED OR EPOXY LINED.

GENERAL WATER NOTES:

- NATER LINES SHALL BE PRESSURE-TESTED, FLUSHED, AND TESTED FOR BACTERIA IN CONFORMANCE WITH THE OF TRACY SPECIFICATIONS PRIOR TO FINAL ACCEPTANCE BY THE CITY.
- ALL VALVES, THES AND CROSSES TO BE FLANGED TO THE RESPECTIVE FITTINGS. WATER VALVES TO BE RESILIENT SEAT ONLY.
- MECHANICALLY RESTRAINED JOINTS OR THRUST BLOCKS ARE REQUIRED AT ALL BENDS AND FITTINGS. LIMITS OF MECHANICALLY RESTRAINED JOINTS SHALL BE AS SPECIFIED IN DETAIL BON SHEET CLIS. THRUST BLOCKS FOR WATER MAIN SIZES SEED TO 12" SHALL BE PER CITY OF TRACY STANDARD PLAN 423. FOR WATER MAIN SIZES SEED FLAN 12", CONTRACTOR SHALL SUBMIT THRUST BLOCK DESIGN DETAILS FOR THE VARIOUS CONDITIONS, PREPARED AND CERTIFIED BY A REGISTERED CIVIL OR STRUCTURAL ENGINEER, FOR REVIEW BY THE ENGINEER.
- 4. WATER VALVES ON EXISTING SYSTEM SHALL BE OPERATED BY CITY PERSONNEL ONLY.
- CONTRACTOR SHALL PROVIDE MINIMUM 12-INCH VERTICAL SEPARATION BETWEEN NEW WATER LINE AND OTHER UNDERGROUND UTILITIES. CONTRACTOR SHALL MARITAIN HORIZONTAL AND VERTICAL CLEARANCES PER STATE HEALTH DEPARTMENT REQULATIONS, AND CITY STANDARDS 506, 580, 582, AND 569.
- SECTION #'S ARE CITY OF TRACY STANDARD SPECIFICATION SECTIONS:
- PROTECTION AND PRESERVATION OF PROPERTIES 102.10
 RESTORATION OF ADJACENT AND EXSTING IMPROVEMENTS 102.10
 ACCESS TO ADJACENT PROPERTIES 102.13
 ACCESS TO ADJACENT PROPERTIES 102.13
 TRENCH SAFETY 102.15

- ALL VALVES SHALL BE THE SAME SIZE AS THE ATTACHED PIPING.
- ALL TIE-INS AND SERVICE CONNECTIONS TO EXISTING CITY WATER MAIN SHALL BE MADE BY THE CONTRAC AFFER RACTERIA TESTS HAVE POSTED. A REPRESENTATIVE FROM THE CITY WATER DEPARTMENT SHALL BE PRES TO INSPECT ALL WORK.

PESCADERO IRRIGATION NOTES:

- ALL WORK RELATED TO IRRIGATION INFRASTRUCTURE SHALL BE PER THE PESCADERO IRRIGATION DISTRICT
- FINAL APPROVAL OF ALL IRRIGATION INFRASTRUCTURE SHALL BE GRANTED BY THE PESCADERO IRRIGATION
- ALL IRRIGATION LINES SHALL BE RGRCP: ASTM C-361 RUBBER GASKETED REINFORCED CONCRETE PIPE.

BORE & JACK NOTES:

- CASING TO BE SMOOTH STEEL PER SCHEDULE SHOWN IN DETAIL 3 SHEET C3.7. CONTRACTOR SHALL VERIFY THE INNER DIAMETER OF THE CASING IS 4" GREATER THAN OUTER DIAMETER OF CARRIER PIPE ASSEMBLY.
- . CARRIER PIPE SHALL BE SUPPORTED BY POLYETHYLENE CASING INSULATORS SPACED AT MANUFACTURES
- ALL PIPE WITHIN THE CASING SHALL HAVE RESTRAINED JOINTS.
- SEAL EACH END OF CASING WITH CASING END SEAL.
- SPECIFICATIONS
- CONTRACTOR SHALL CONTACT THE CITY OF TRACY AT LEAST TEN (10) DAYS IN ADVANCE OF THE BORE AND JACK

AN ENCROACHMENT PERMIT FROM SAN JOAQUIN COUNTY IS REQUIRED FOR ALL WORK WITHIN THE COUNTY'S

SAN JOAQUIN COUNTY GENERAL NOTES:

- WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE SAN JOAQUIN COUNTY IMPROVEMENT STANDARDS AND THE CALTRANS STANDARD SPECIFICATIONS. ANY PROPOSED MODIFICATIONS TO THE PLANS SHALL BE APPROVED BY THE COUNTY PRIOR TO PERFORMING THE WORK.
- THE CONTRACTOR SHALL SUBMIT TRAFFIC CONTROL PLANS FOR ALL SIGNING, DETOURS, AND ANY LANE CLOSURE IMPACTING COUNTY BIGHT-OF-WAY. TRAFFIC CONTROL PLANS SHALL BE SUBMITTED FOR APPROVAL TWO WEEKS PRIOR
- TRAFFIC CONTROLS FOR ALL ROADS SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. DURING WORKING HOURS, THO-WAY TRAFFIC CONTROL SHALL BE MAINTAINED WITH ONE LANE OPEN AND APPROPRIATE FLACGERS. TRAFFIC CONTROL DELAYS TALL NOT EXCEED 15 MINUTES. TWO WAY TRAFFIC SHALL BE MAINTAINED DURING NON-WORKING HOURS WITH DECAYARTED AREAS BACKFILLED OR PLATED.
- ACCESS TO ALL PROPERTIES SHALL RE MAINTAINED AT ALL TIMES EXCEPT WHEN WORK IS OCCURRING AT THE ACCESS POINT. MINIMAL DELAYS WILL BE ALLOWED TO PROVIDE ACCESS WITHIN THE WORK ZONE AEEA. DRIVEWAY ACCESS SHALL BE FULLY BEFORDED AT THE HOOF EACH WORKDAY. DRIVEWAYS DISTURBED BY THE CONTRACTOR SHALL BE REPLACED WITH IN-KIND OR BETTER MATERIALS.
- RESIDENTS AND BUSINESSES SHALL BE NOTIFIED IN WRITING, AS APPROVED BY THE COUNTY, 48 HOURS IN ADVANCE OF ANY IMPACTS TO THEIR ACCESS.
- ANY AREAS WHERE PARKING IS TO BE RESTRICTED SHALL HAVE SIGNS NOTING THE RESTRICTIONS IN PLACE AT LEAST 48 HOURS IN ADVANCE.
- ALL DESTROYED OR OBLITERATED PAVEMENT MARKINGS MUST BE REPLACED IN KIND BY THE PERMITTEE. TYPICAL PAVEMENT MARKINGS INCLUDE BUT NOT LIMITED TO LANE LINES, CENTERLINES, STOP AND STOP AHEAD LEGENDS, LIMIT LINES, RAISED PAVEMENT MARKERS AND MISCRELANEOUS DELINEATORS.
- STANDARD ROADWAY STRIPING AND SIGNAGE SHALL BE CLEARLY VISIBLE, MAINTAINED AND RESTORED
- IN ADDITION TO STANDARD DUST CONTROL MEASURES, STREETS SHALL BE MAINTAINED IN A CLEAN CONDITION, FREE OF DIRT, MUD AND DEBRIS DURING CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL PROVIDE DAILY, OR AS NEEDED, STREET SWEEPING USING A MODERN MECHANICAL OR VACUUM-ASSISTED STREET SWEEPER.
- 11. THE CONTRACTOR SHALL NOT CONDUCT CONSTRUCTION OPERATIONS IN RAIN OR HEAVY FOG CONDITIONS.
- ie contractor will be responsible for scheduling inspection and testing of all faglities constructed 10er this contract with a minkum 24 hour notice to the county. All testing must conform to the STANDARD SPECIFICATIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR THE PRESENATION OF SURVEY MONUMENTS LOCATED WITHIN THE WORK AREA. PRIOR TO THE START OF CONSTRUCTION, SURVEY MONUMENTS THAT POTENTIALLY MAY BE DISTURBED SHALL BE LOCATED AND SURVEYOR, AND A CORNER SECORD FILED WITH THE COUNTY SURVEYOR, AND AND SURVEYOR, AND A CORNER SECORD FILED WITH THE COUNTY SURVEYOR, AND AND SURVEYOR AND AND SURVEYOR SURVEYOR SURVEYOR SURVEYOR SURVEYOR SURVEYOR SURVEYOR SURVEYOR SURVEYOR AND AND SURVEYOR SURVEYOR
- 14. ALL PAVING WORK MUST CONFORM TO THE CALTRANS STANDARD SPECIFICATIONS SECTION 39. HOT MIX ASPHALT HMAN SHALL BE TYPE A. ASPHALT BINDER USED IN MMA MUST BE PG 64-10 AND AGGREGATE MUST COMPLY WITH THE XI-INCH HMA TYPE A GRADATION TABLE. ASPHALT PLACEMENT SHALL CONFORM TO THE FOLLOWING SCHEDULE:

Total Thickness Shown on Plans	No. of	Top Leyer Thickness (foot)		Next Lower Layer Thickness (foot)		All Other Lowe Layer Thicknes (fool)	
		Min.	Max.	Min.	Max	Min,	Max.
0.20 - foot or less	1	-	-	-	-		
0.25 foot	2	0.12	0.13	0.12	0.13		
0.30 - 0.45 foot	2	0,15	0.20	0.15	0.25		-
D.46 - foot or more	ь	0.15	0.20	9,15	0.26	0.15	0,4

- 0,00 = 700.00 (minute)

 When Georgystileke Pavenierd Interlayer (Paving Pabric), met or girld is shown to be placed bett ayers of HAA, the thickness of HIAA above the Geosynthetic Pavennent Interlayer (Paving Pasidor) are considered to be the Total Thickness Shown on Flans's for the purpose of apreading and compare HAA above the Geosynthetic Pavennent Interlayer (Paving Pabric). The entire of a greatering and compare HAA above the Geosynthetic Pavennent Interlayer (Paving Pabric), mail or good meet be 0.12 feet.

 HAA over Geosyntheic Pavennent Interlayer (Paving Pabric), mail or good meet be 0.12 feet. At least 2 layers must be placed if solal thickness is 0.45 - foot. At least 3 layers must be placed if solal thickness in more than 0.45 - foot and less than 0.90 - foot. At least 4 layers must be placed if tool placiness in 0.90 - foot on more. For friese-chineous Areas or Pavement Repair, at least 2 layers must be succed friend themes in 0.90 foot.
- ACCREGATE BASE AND SHOULDERS MUST BE CLASS 2 MEETING THE N° MAXIMUM AGGREGATE GRADING. COMPACT BACH LAYER TO AT LEAST 95 PERCENT RELATIVE COMPACTION.

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DESIGNED D.G.R. DRAWN E 5-5,K.

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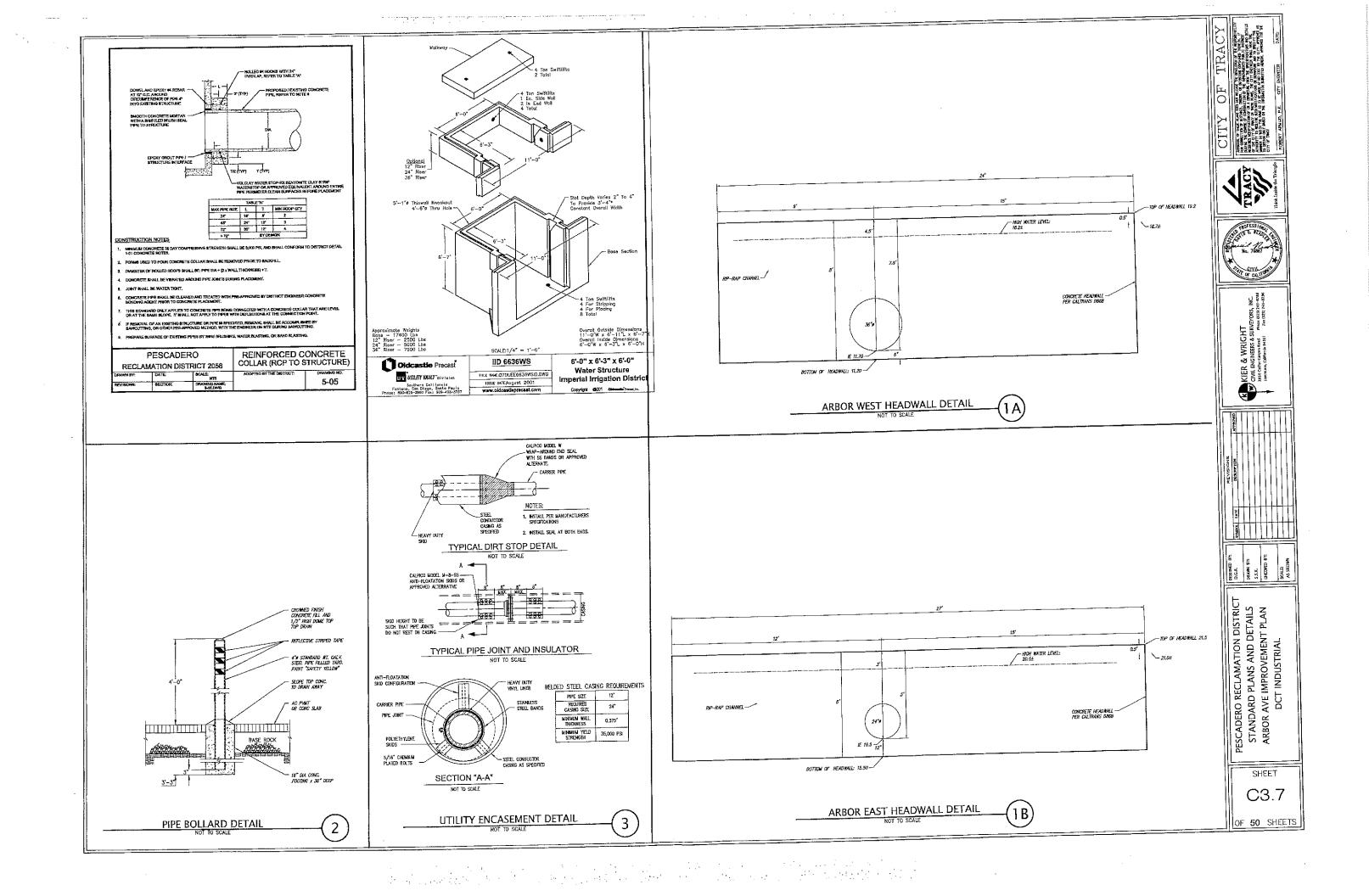
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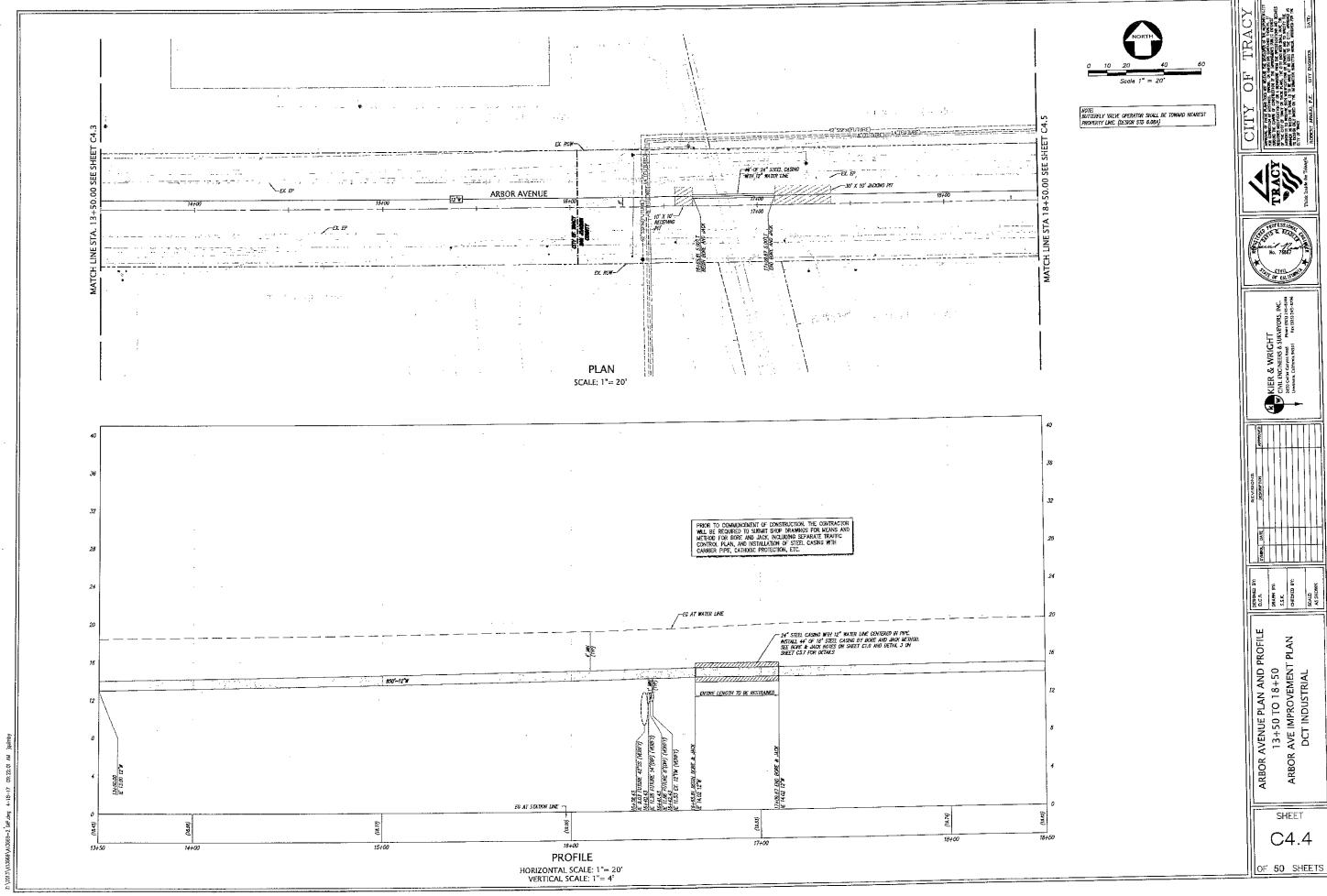
OF 50 SHEETS

ANY VOIDS CREATED BY BORING, JACK OR TUNNELING SHALL BE FILLED BY PRESSURE CEMENT GROUTING. WATER CARRIER PIPE SHALL BE DUCTILE IRON PIPE PER CITY OF TRACY STANDARD SPECIFICATIONS.

CARRIER PIPE SHALL BE HYDROSTATIC WATER PRESSURE TESTED PRIOR TO SEALING OF CASING. ALL WORK IN THE CITY OF TRACY RIGHT OF WAY SHALL COMPLY WITH CITY OF TRACY STANDARDS AND

10. SEPARATE TRAFFIC CONTROL PLAN REQUIRED FOR BORE AND JACK OPERATION.





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