



**CITY OF CRESCENT CITY PLANNING COMMISSION  
AND ARCHITECTURAL REVIEW COMMITTEE**

**Commission Members: Brad Kime, Chairperson  
Raymond Altman, Vice-Chairperson • John Williams • Mike Muldoon • Holly Greene**

*Incorporated April 13, 1854*

*web: [www.crescentcity.org](http://www.crescentcity.org)*

**Regular Meeting  
Thursday, January 10, 2019 at 5:30 p.m.**

**CALL TO ORDER**

**ROLL CALL**

**PUBLIC COMMENT:** The public may address the Planning Commission on any item of interest that is within the Commission's subject matter jurisdiction or that appears on the agenda. The Commission is not able to discuss extensively or act on any items that do not appear on the agenda. After receiving recognition by the Chairperson, please state your name and city or county residency for the record. Public comment is limited to three (3) minutes or other reasonable limitations specified by the Chairperson on particular topics or individual speakers (Gov't Code §54954.3(b)).

**CONSENT CALENDAR:** These items are routine in nature, are consistent with the Crescent City General Plan, Municipal Code, and State Government Code, are exempt from the California Environmental Quality Act, and are recommended for approval. Action on all items in the Consent Calendar will be taken without discussion by a single motion, unless a Commissioner, staff or member of the public requests that an item be removed from the Consent Calendar for discussion.

**A. Approval of the minutes of the December 13, 2018 regular meeting of the Crescent City Planning Commission and Architectural Review Committee.**

**ARCHITECTURAL REVIEW:** None

**CONTINUING BUSINESS:** None

**NEW BUSINESS:**

**Agenda Item# B. Application #: AR-18-09. UP 18-04**

**Project:** Use permit and architectural review for tobacco sales in the C-2 (General Commercial) District

**Applicant:** Ratib Norzei

**Site Address:** 450 HWY 101 N Suite B, Crescent City CA

**APNs:** 118-370-18

**Lot Size:** .74 acres

**Project Size:** 1,000 (+/-) sq-ft

**General Plan Land Use:** General Commercial (GC)

**Zoning:** C-2 (General Commercial) District

**Surrounding Zoning/Uses:** West: C-2/commercial; East: C-2/commercial; South: C-2/commercial; north: C2/commercial

**Background & Project Description:** The applicant is requesting a Use Permit and architectural review for a smoke shop located at 450 Highway 101 North. The applicant is proposing to sell a variety of tobacco products and accessories including but not limited to cigarettes, cigars, e-cigarettes, & tobacco. The subject location is developed with an approximately 3,000 square foot commercial building and 20 stall parking lot. Starbucks occupies approximately 2,000 sqft of space (suite A) and the remaining portion of the commercial space is vacant (Suite B). The subject property is located at the southwest corner of the intersection of Cooper and Highway 101 North (refer to attached aerial photo for further details). The applicant is not proposing to make exterior modifications to the building.

Per CCMC Title 17 Zoning, Section 17.91.020 (A), a tobacco retailer may be established in the C-2 District subject to securing a conditional use permit.

**Agenda Item# C.**

**Application #: ER18-01**

**Project:** Environmental Review for City of Crescent City Storm Drain Improvement Project

**Applicant:** City of Crescent City

**Background & Project Description:** Mitigated Negative Declaration for the City of Crescent City Storm Drain Improvement Project.

**Agenda Item # D.**

Selection of Chairman and Vice Chairman.

**REPORTS, CONCERNS, REFERRALS:** In accordance with Gov't Code §54954.2(a)(2),

Planning Commissioners or staff may briefly respond to public comment, make brief announcements or reports, or ask questions for clarification. Planning Commissioners or the Commission may also direct staff to report back on any matter at a subsequent meeting or to place a matter of business on a future agenda.

**ADJOURNMENT:** Adjourn to the regular meeting of the City of Crescent City Planning Commission and Architectural Review Committee scheduled for Thursday, February 14, 2019 at 5:30 p.m. at the Flynn Center, 981 H Street, Crescent City, CA 95531

**POSTED:**

January 7, 2019

By: Heather Welton

Planning Secretary/Office Technician





**CITY OF CRESCENT CITY PLANNING COMMISSION  
AND ARCHITECTURAL REVIEW COMMITTEE**

**Commission Members: Brad Kime, Chairperson**

**Raymond Altman, Vice-Chairperson • John Williams • Mike Muldoon • Holly Greene**

*Incorporated April 13, 1854*

*web: [www.crescentcity.org](http://www.crescentcity.org)*

**Regular Meeting**

**Thursday, December 13, 2018 at 5:30 p.m.**

**Board Chambers, 981 "H" Street, Suite 100, Crescent City, CA**

**MINUTES**

**CALL TO ORDER**

Chairman Kime called the meeting to order at 5:30 pm

**ROLL CALL**

**Commissioners present:** Chairman Brad Kime, Vice-Chair Ray Altman, Commissioner Holly Greene, Commissioner Mike Muldoon, and Commissioner John Williams

**Staff present:** City Manager Eric Wier, Public Works/Planning Office Technician Heather Welton and City Clerk/Administrative Analyst Robin Patch

**PUBLIC COMMENT:** *There were no comments from the public.*

**A. APPROVAL OF MINUTES:**

Approval of the minutes of the November 8, 2018 regular meeting of the Crescent City Planning Commission and Architectural Review Committee.

*On a motion by Commissioner William, seconded by Commissioner Greene, and carried on a 5-0 polled vote, the Crescent City Planning Commission and Architectural Review Committee approved the minutes of the November 8<sup>th</sup>, 2018 regular meeting as presented.*

**CONSENT CALENDAR:** These items are routine in nature, are consistent with the Crescent City General Plan, Municipal Code, and State Government Code, are exempt from the California Environmental Quality Act, and are recommended for approval. Action on all items in the Consent Calendar will be taken without discussion by a single motion, unless a Commissioner, staff or member of the public request that an item be removed from the Consent Calendar for discussion.

*None.*

A

## ARCHITECTURAL REVIEW:

**Agenda Item# B.**

**Application #: AR17-03**

**Project:** Use permit and architectural review for a self-storage facility and managers unit in the C-2 (General Commercial) District  
**Applicant:** Eric & Lori Taylor  
**Site Address:** 1607 Fifth Street **APNs:** 118-100-24  
**Lot Size:** .85 acres **Project Size:** 3,400 (+/-) sq-ft  
**General Plan Land Use:** General Commercial (GC)  
**Zoning:** C-2 (General Commercial) District  
**Surrounding Zoning/Uses:** North: C-2/commercial; East: C-2/commercial/former mill site; South: C-2/commercial; West: C-2/commercial

**Background & Project Description:** The subject property is located behind (east of) the Jed Smith Shopping Center. The parcel is approximately .85 acres and is developed with a 3,400 square foot commercial office building, paved parking lot and an abandoned portion of O Street. The applicant is requesting approval for the conversion of the building into a 1,200 sqft manager's unit/office and 2,200 sqft indoor storage facility. Furthermore, the applicant is proposing to use approximately 12,000 sqft of the paved surface south of the building as a storage area for boats & vehicles. The proposed project also includes fencing the entire property with an eight-foot chain-link fence for security (refer to attached site plan and photos for further details). In December of 2017, the applicant received conditional approval for an onsite managers unit and self-storage facility on the adjacent property. However, due to the acquisition of the subject property the applicant is desirous of utilizing the subject building as the managers unit/office for the entire facility. Future plans include expanding the self-storage with additional units therefore, the applicant is also requesting approval to develop self-storage buildings subject to future architectural review.

*Eric Wier, City Manager, gave a brief description of the background and project description. He added that the adjacent property and the applicant came before the commission with a very similar use permit one year ago. He showed photos of the proposed property and the property presented before the commission one year ago. He stated that the applicant is looking to utilize the proposed building as a management facility and storage unit. He then went over some items about the use permit. For the use permit the staff analysis says that the general plan is consistent with the general plans land use designation of general commercial. And the general plan also lists the visitor and local commercial land use description specifically allows mini storage facilities by use permit. The City has consulted the City Attorney for further interpretation of the land use and the opinion of the city attorney is that the proposed activity of mini storage/ self-storage is consistent with the general commercial land use designation of this property. He said the Crescent City Municipal Code allows for one residential unit per occupancy for a caretaker of a commercial facility by use permit. Use permit does specify glare and Wier stated that the applicant would be required to submit a lighting plan through the City as part of their conditions. Wier also stated that traffic is a specification of the use permit and said there will not be a lot of traffic to and from the facility. Traffic was not deemed to be a large issue. Noise is expected to be minimal, same with odors, the City is not expecting any odors as part of the use permit.*

*Wier then went on to address the Architectural review for the project. Zoning is allowed under 17.22.020 under zoning code consistency. Parking is under the direction of City Staff, which five*



*parking spaces is recommended for this facility. Fencing is required for equipment storage and automobiles, the applicant is requesting an eight-foot fence and the City would require them to put a visual barrier if it isn't a solid fence, such as slats in a chain link or something similar. Wier said for a sign they would have to submit a sign permit that will be approved by City staff. For this portion of the property it does have sidewalk, so they would not be required to put in additional sidewalk. Wier also said the environmental determination is that it is exempt from CEQA.*

*Wier stated the proposed conditions of approval for the self-storage facility with an onsite management unit and office. The office would be 1200 square feet and the indoor storage units would be 2200 square feet. The parking area would be for possible vehicle or boat storage, the applicant is listing it as covered and uncovered. If the applicant decides to do a structured covered storage area it would need to come before the Commission for architectural review. Within 5 days following the expiration of the ten-day appeal period the applicant shall file the CEQA notice of exemption and pay all fees. Applicant to provide a lighting plan for approval and provide a minimum of five off street parking spaces. If they are getting a sign they are to submit a sign plan and get the necessary approvals and permits. They would have to obtain all necessary permits and building permits as required. They cannot store hazardous material on site. The fence requirement would be a fence that had a solid type screen for visual appearance.*

*The environmental review was discussed at a Commission level.*

*Eric Taylor, applicant, spoke about his prior property at 1621 Fifth street that he had approached the commission with last year. He gave a brief description of how the managers unit proposed would look like. There will be an office for the public with a restroom, a fully contained living quarters, indoor storage and outdoor boat or vehicle storage. And he wanted to specify that the only screened in fence part would be the fencing around the outside vehicle/boat storage. What he is proposing is to get the approval he got for the other parcel for the management unit and move it to this facility and make both parcels all one. He updated on his other parcel and mentioned that its under construction, it's been cleared, graded, storm drains have been put in and the concrete slab is underway.*

*There was discussion on a Commission level about the proposed fencing.*

*On a motion by Commissioner Altman, seconded by Commissioner Muldoon and carried on a 5-0 polled vote, the Crescent City Planning Commission and Architectural Review Committee approved the conversion of the building, paved lot and fencing and approved application for AR17-03 and to adopt the CEQA findings.*

**CONTINUING BUSINESS:** *None*

**NEW BUSINESS:** *None*

**REPORTS, CONCERNS, REFERRALS:** In accordance with Gov't Code §54954.2(a)(2), Planning Commissioners or staff may briefly respond to public comment, make brief announcements or reports, or ask questions for clarification. Planning Commissioners or the Commission may also direct staff to report back on any matter at a subsequent meeting or to place a matter of business on a future agenda.

*Chairman Kime made an announcement that he was stepping down and his last meeting will be January 10<sup>th</sup>, 2018.*

*Commissioner Williams made an announcement that he will be stepping down in three months.*

*Eric Wier, City Manager, said the choosing of the new Chairman and Vice Chairman will be on January 10<sup>th</sup>, 2018's planning commission agenda.*

**ADJOURNMENT:**

There being no further business to come before the Crescent City Planning Commission and Architectural Review Committee, Chairman Kime adjourned the meeting at 5:52p.m. to the regular meeting of the City of Crescent City Planning Commission and Architectural Review Committee scheduled for Thursday, January 10, 2018 at 5:30 p.m. at the Flynn Center, 981 H Street, Crescent City, CA 95531

**ATTEST:**

\_\_\_\_\_  
Heather Welton, Public Works/Planning Office Technician



**Crescent City Planning Commission**  
**January 10, 2019**  
**Staff Report**

**Agenda Item#** V.A

**Application #:** UP18-04, AR18-09

**Project:** Use Permit & Architectural review for a smoke shop in the C-2 (General Commercial) District  
**Applicant:** Waleed Fayzi  
**Site Address:** 450 Highway 101 North, Suite B **APN:** 118-370-18  
**Lot Size:** +/- .74 acres **Project Size:** +/- 1,000 sq. ft.  
**General Plan Land Use:** Visitor & Local Commercial (VLC)  
**Zoning:** C-2 (General Commercial) District

**Surrounding Zoning/Uses:** West: C-2/commercial; East: C-2/commercial; South: C-2/commercial; north: C2/commercial

**Background & Project Description:** The applicant is requesting a Use Permit and architectural review for a smoke shop located at 450 Highway 101 North. The applicant is proposing to sell a variety of tobacco products and accessories including but not limited to cigarettes, cigars, e-cigarettes, & tobacco. The subject location is developed with an approximately 3,000 square foot commercial building and 20 stall parking lot. Starbucks occupies approximately 2,000 sqft of space (suite A) and the remaining portion of the commercial space is vacant (Suite B). The subject property is located at the southwest corner of the intersection of Cooper and Highway 101 North (refer to attached aerial photo for further details). The applicant is not proposing to make exterior modifications to the building.

Per CCMC Title 17 Zoning, Section 17.91.020 (A), a tobacco retailer may be established in the C-2 District subject to securing a conditional use permit.

**General Plan Consistency:** It is important to note that two general plan land-use designations underlie the C-2 District. The portion of the C-2 containing the subject parcel is within the VLC, as discussed above. The VLC-controlled portion of the C-2 District extends from Front Street to Wilson Avenue. The remainder of the C-2 District, from Wilson Avenue to Washington Boulevard, is controlled by the General Commercial (GC) land-use designation. The VLC land use designation reads as follows:

***Visitor & Local Commercial (VLC)***

*This designation provides for a combination of commercial uses including visitor-serving commercial uses, local-serving commercial uses, and regional-serving commercial uses. Within the coastal zone, however, visitor-serving uses will have priority over all other allowable uses. The focus of this designation is on concentrating uses oriented toward tourism and drawing trade from the entire Del Norte County area. The maximum FAR for buildings in this designation is 0.50, but the FAR does not*

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*include residential uses above the ground floor in a mixed-use development. The principal permitted uses under the VLC designation include, but are not limited to, commercial activities such as regional shopping and service centers including wholesale “club” stores and factory outlets; a full range of retail uses including apparel stores, specialty shops, durable goods, and home furnishings; travel services such as motels/hotels; restaurants; entertainment centers; banks; savings and loans, and recreation facilities. Multiple-unit residential uses as a secondary/mixed use at a density of 6 to 60 units per acre may be considered with a conditional use permit. Other uses requiring a conditional use permit include, but are not limited to, residential-only developments, new timeshare resort hotels, recreational vehicle parks, mini-storage, medical offices, public facilities, and transportation services such as gas stations and light-commercial automobile service uses All heavy commercial uses shall be prohibited in the Visitor and Local Commercial designation.*

The General Plan envisions a wide range of retail commercial uses as principally permitted including specialty shops. However, tobacco sales do require a conditional use permit per the CCMC. Staff believes that the proposed retail commercial use is consistent with the Land Use Plan in that it provides a local serving commercial use (retail sales).

#### **Zoning Code Consistency:**

The CCMC defines the following uses as principal permitted in the C-2 District:

##### **A. The principal permitted general commercial use in the C-2 district includes:**

- 1. Retail and wholesale sales located inside a building, such as: large or small shops, stores, centers, and outlets.**
- 2. Services located inside a building, such as: offices, financial institutions and personal services shops, including laundromats, small item repairs and printing services.**
- 3. Indoor and outdoor recreational or travel activities and services, such as: all eating and drinking places (including drive-thru services), hotels and motels, theaters, entertainment centers, and bus stations.**
- 4. Medical centers and services including convalescent homes.**
- 5. Accessory structures, such as: parking lots and secondary storage buildings.**
- 6. Improvements to existing residential uses which can be demonstrated to have been legally established before the year 2001.**

Staff believes that the proposed project is a principal permitted use defined as retail sales located inside a building. Therefore, the proposed project is consistent with the C-2 General Commercial District. However, as previously discussed the sale of tobacco products does require a use permit (refer to Use Permit Review for further details).

#### **Use Permit Review – Specific Topics**

The purpose of issuing a use permit is to assure that a degree of compatibility shall be maintained with respect to the particular use on a particular site and consideration of other existing and potential uses within the general area in which such use is proposed to be located. Also, to recognize and compensate for variations in degree of technological processes and equipment as related to the factors of noise, smoke, dust, fumes, vibration, odors and hazards to ensure the use



will not become a nuisance to the neighborhood. Specific topics relating to compatibility are discussed below and conditions of the use permit are recommended based on the following.

CCMC Title 17 Zoning, Section 17.91.020 allows tobacco retailers in the C-2 District subject securing a Conditional Use Permit.

17.91.020 Tobacco retail establishments.

*This section establishes permit requirements and standards for the development and operation of a tobacco retailer.*

*A. Permit requirements. Notwithstanding any provision of this title, a tobacco retailer may be established in the following zoning districts subject to securing a conditional use permit: C-1, C-2, CW.*

When considering the siting of a tobacco retailer the Planning Commission should consider the location of the tobacco retailer to sensitive receptors as outlined in Section 17.91.020 (B):

*B. Development standards. The planning commission may take into consideration the proximity of the proposed tobacco retailer with parcels occupied by the following uses:*

- 1. Public or private kindergarten, elementary, middle, junior high or high schools;*
- 2. Licensed child day care facility or preschool other than a small or large family day care home;*
- 3. Public playground or playground area in a public park (e.g., a public park with equipment such as swings and seesaws, baseball diamonds or basketball courts);*
- 4. Youth or teen center;*
- 5. Public community center or recreation center;*
- 6. Arcade;*
- 7. Public park;*
- 8. Public library; or*
- 9. Houses of worship conducting youth programs or youth oriented activities.*

Staff is not aware of any sensitive receptors that are located within close-proximity to the subject location.

### **Architectural Review**

Zoning Code Section 17.46.035 requires that the architectural review include "...consistency with the applicable zoning, parking and landscaping, fencing, signage, street, sidewalk and public services requirements as set forth by this section."

- Zoning: allowed under Section 17.22.020 (A) as noted under Zoning Code Consistency.
- Parking: CCMC Section 17.42.060 (C)(1) requires 1 parking space for every 250 sqft of floor area for retail sales. Therefore, the proposed use requires 4 parking spaces.
- Fencing: Per the CCMC the proposed project is not required to install fencing.
- Signage: The C-2 District allows one and one-half square feet of sign area per linear foot of street frontage. To date the applicant has not proposed any signage for the project therefore. Considering the location of the project along HWY 101 staff recommends that

proposed signage, other than exempt signs, come back to the Architectural Review Committee for approval.

- Street, sidewalk and public services requirements: The subject property is developed with sidewalks and public services are available.

**Environmental Determination:**

The proposed project is exempt from the California Environmental Quality Act (CEQA) under the General Rule that states that CEQA applies only to projects which have the potential for causing a significant effect on the environment (CEQA Guidelines §15061[b][3]).

**Recommended Findings:**

Staff recommends the Planning Commission make the following findings:

1. That the project is consistent with the Crescent City General Plan and Zoning Code.
2. That the project is exempt from the California Environmental Quality Act (CEQA) under the General Rule that CEQA does not apply.

**Recommended Actions:**

Staff recommends the Planning Commission take the following actions:

1. Open the public hearing to receive comments on the project.
2. Adopt the recommended findings.
3. Approve the project, subject to the attached conditions of approval and any other conditions adopted by the Planning Commission at the public hearing.

Attachments: A) Conditions of Approval  
B) Application  
C) Site Plans  
D) Aerial photo-map  
E) Site photos



**Use Permit 18-04 & Architectural Review #AR18-09  
1180 Ninth Street, APN 118-370-18**

**Conditions of Approval**

**On January 10, 2019, the Planning Commission approved the above applications, subject to the following conditions:**

1. The approval is for the sales of retail tobacco products.
2. Prior to issuance of the Certificate of Occupancy, the applicant shall provide four (four) total parking spaces.
3. Prior to installing any new signs, other than exempt signs, the applicant shall submit a sign permit application, subject to the approval of the Architectural Review Committee. Throughout the life of the project, the applicant shall not display or allow to be displayed any non-exempt signs not authorized under the sign permit.
4. The applicant shall display advertising in conformance with the standards set forth in CCMC Title 17 Zoning, Chapter 17.91
5. All tobacco products must be in locked cases and there must be vendor assisted sales. The applicant shall not permit self-service sales of tobacco products.
6. The applicant shall not sell tobacco products to minors.
7. The premises including the building exterior shall be maintained and shall not be allowed to fall into disrepair.
8. The applicant shall provide exterior trash cans and the premises shall be kept free of litter and debris. Trash cans must be emptied daily.
9. The applicant shall submit a lighting plan to the Community Development Department for approval if any exterior lighting is added. All exterior lighting shall be shielded and downcast to prevent excessive glare on adjacent roadways and properties.
10. The applicant shall comply with all applicable State & Federal laws governing the sale of tobacco products.
11. The Conditional Use Permit Shall be renewed in one year form the date of issuance.

# CITY OF CRESCENT CITY Development Permit Application

Return completed application to:  
Planning Department  
377 J Street  
Crescent City, CA 95531  
(707) 464-9506 (707) 465-4405 fax

TYPE OR PRINT CLEARLY

Applicant <b>RATIB NORZEI</b>	Street Address <b>1982 Vinehill Circle</b>	City <b>Fremont</b>	Zip Code <b>94539</b>	Day Phone <b>510-376-4410</b>
Representative (if any)	Street Address	City	Zip Code	Day Phone
Property Owner	Street Address	City	Zip Code	Day Phone
Correspondence to be sent to <input checked="" type="checkbox"/> Applicant <input type="checkbox"/> Representative <input type="checkbox"/> Owner				

Project Address <b>450 HWY 101 N Suite B, Crescent City, 95331</b>	Assessor's Parcel No. <b>118-370-18</b>
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Description of proposed project (attach sheets if necessary)

Existing Land Use	Adjacent Uses	Building Coverage _____ sq.ft. existing
Project Acreage	Project Height	Building Coverage _____ sq.ft. proposed
Parking (number of spaces)	Paved Area	Grading Required? _____ (if yes, attach preliminary grading plan)

Diking, dredging, or filling of open coastal water, wetlands or riparian/drainage areas. (Attach biological report and preliminary grading plans.)

Land Division or Boundary Adjustment. (Include tentative map with existing property lines, proposed lots, lot sizes, dimensions, access, physical features and proposed improvements, utilities, etc.)

Applicant/Representative: I have reviewed this application and the attached material. The provided information is accurate.	Property Owner/Authorized Agent: I have read this application and consent to its filing
Signed _____ Date <b>12/18/18</b>	Signed _____ Date _____

<b>TYPE OF APPLICATION</b>	<input checked="" type="checkbox"/> Architectural Review	<input type="checkbox"/> Lot Line Adjustment	<input type="checkbox"/> Subdivision/Minor
	<input type="checkbox"/> CEQA Review	<input type="checkbox"/> Municipal Code Amendment/Rezone	<input type="checkbox"/> Subdivision/Major
	<input type="checkbox"/> Coastal Development Permit	<input type="checkbox"/> Parcel Merger	<input checked="" type="checkbox"/> Use Permit
	<input type="checkbox"/> General Plan Amendment	<input type="checkbox"/> ROW or Street Abandonment	<input type="checkbox"/> Variance or Waiver
	<input type="checkbox"/> Home Occupation	<input type="checkbox"/> Special Review	<input type="checkbox"/> Other

<b>REQUIRED SUPPLEMENTAL</b>	<input type="checkbox"/> Application Form	Project plans: * <input type="checkbox"/> Project site plans (buildings, parking, etc.) <input type="checkbox"/> Building floor plans and elevations <input type="checkbox"/> Preliminary grading/drainage plans <input type="checkbox"/> Landscaping/irrigation plans/dumpster <input type="checkbox"/> Sign plans/elevations <input type="checkbox"/> Color/materials samples <input type="checkbox"/> Subdivision/lot line adjustment map <input type="checkbox"/> Written Project Description <input type="checkbox"/> Preliminary Title Report <input type="checkbox"/> Special Project Justification/per code
	<input type="checkbox"/> Application Fee	
	<input type="checkbox"/> Supplemental Application Forms (variance home occupation, etc.)	
	<input type="checkbox"/> Project property deed(s)	
	<input type="checkbox"/> Proof of applicant's legal interest in the property (escrow, etc.)	

\*Project Plans: For Subdivision one set of full size plans and/or one set not to exceed 11" by 18" in size are to be provided. Specific information may be required for plans - ask staff for additional information.

<b>OFFICIAL USE ONLY</b>	Application Number(s) <b>AK 18-09, OP 18-04</b>	Filing Fees <b>115.50</b>	Date Filed <b>12-21-18</b>	Receipt # <b>7704122</b>
	Date Application Completed	Zoning	General Plan (LUP)	
	CEQA: Exempt _____ Negative Declaration _____ Mitigated Negative Declaration _____ Environmental Impact Report _____			
	Review By Planning Commission _____ City Council _____ Architectural Review _____ Planning/Public Works _____			
	Public Hearing _____ Office Hearing _____	Appealable to Coastal Commission? _____		
	Other Notes:	Approved:		

MAKE CHECKS PAYABLE TO CITY OF CRESCENT CITY



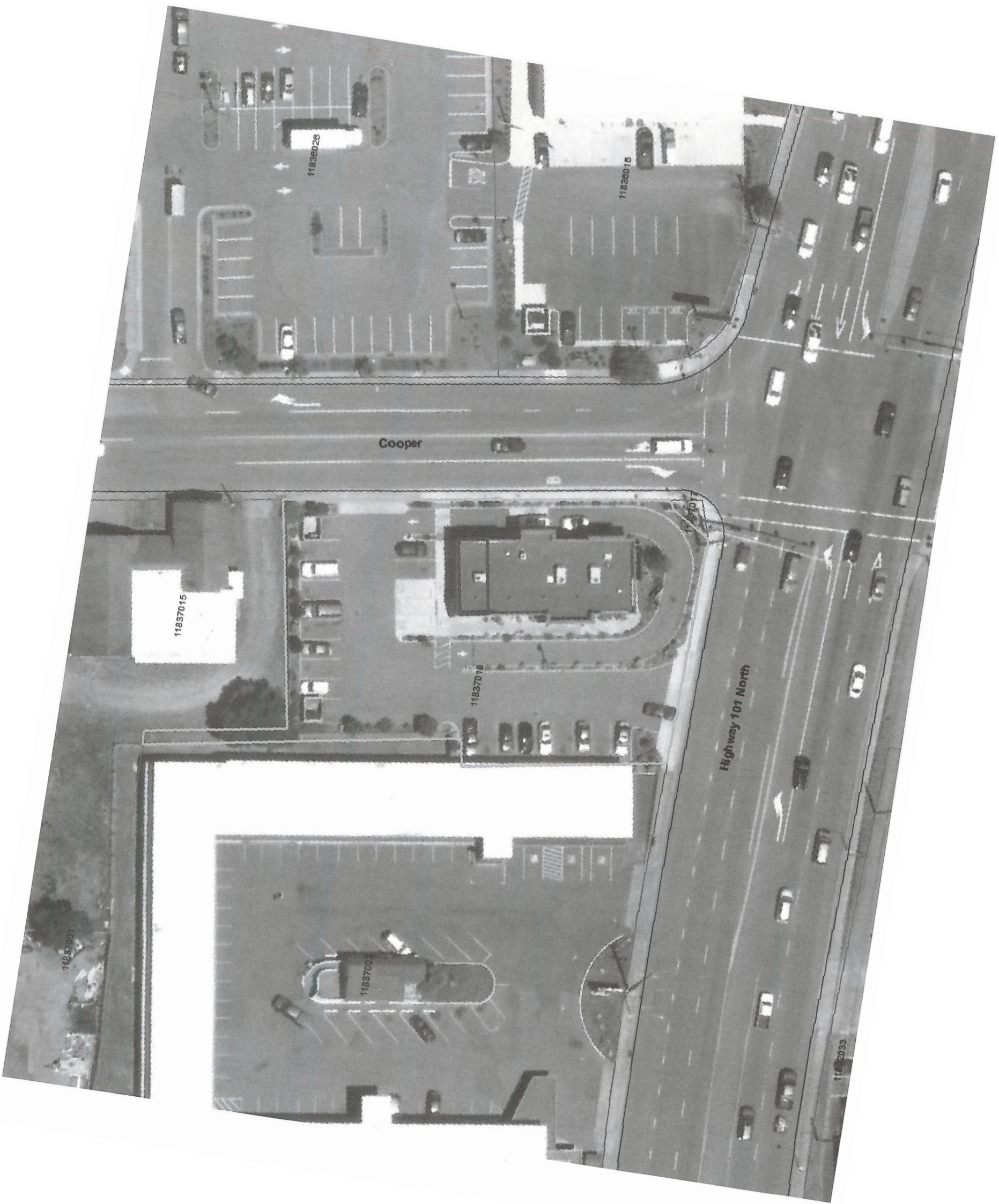


Looking east toward suite B from parking lot.



Looking west toward parking lot





11836026

11836015

Cooper

11837015

11837018

Highway 101 North

11837001

11837003

11802033



**Crescent City Planning Commission**  
**January 10, 2018**  
**Staff Report**

**Agenda Item# IV.A.**

**Application #: ER18-01**

**Project:** Environmental Review for the City of Crescent City Storm Drain Rehabilitation Project.  
**Applicant:** City of Crescent City  
**Site Address:** Beachfront Park **APN:** Various  
**Lot Size:** N/A **Project Size:** N/A  
**General Plan Land Use:** Open Space/Visitor local Commercial/Single Family/Multifamily/Business Professional  
**Zoning:** Coastal Zone Open Space/City Right of Way

**Surrounding Zoning/Uses:** Open space consisting of Beachfront Park and the Crescent City Harbor and a mix of developed residential and commercial neighborhoods.

**Background & Project Description:** In 2018 the City of Crescent City received a Community Development Block Grant to fund the rehabilitation of a portion of the City's storm drain system. Specifically, the proposed project includes a major storm drain capacity improvement project on Front Street, C Street, and F Street. The storm drains in this area of the city have proven inadequate and cause yearly flooding of major collector streets including Front Street and Fifth Street, intersections, and residential properties. Multiple times each year during these events emergency responders from the City Police Department, Fire Department, and Public Works are asked to respond to barricade and post warning signs on flooded streets and intersections, warn residents, and rescue stranded motorists. The flooding has caused thousands of dollars in damage to properties and in some cases forced residents to temporarily evacuate their homes.

The improvements required to resolve the flooding include increasing the storm drain system capacity to meet current acceptable design standards for public life, safety, and property. Design criteria used for the proposed storm drain improvement project has sufficient capacity to convey a once every 10-year storm event on local minor streets, a once every 25-year storm event on major collector streets, and a 100-year storm event for buildings. To accomplish this, the City will install a redundant and/or larger storm drain piping system within the C Street drainage basin between 5<sup>th</sup> Street and Howe Drive, and F Street drainage basin between Front Street and 5<sup>th</sup> Street.

The proposed project has several components including the installation of approximately 800' new 60-inch HDPE main line within the C Street ROW & Beachfront Park between Front Street and Howe Drive. Excavation for the 60" main will reach a maximum depth of 12'. The installation of the new main requires the construction of an additional outfall behind the Waste Water Treatment Plant. The new outfall design includes a box culvert to accommodate the 60" main line and rock armoring to prevent erosion. Excavation for the outfall will reach an approximate depth of 15'. A storm water separator will be installed near the inflow end of the 60' main approximately 700' north of the storm drain system outfall. The purpose of the separator is to remove trash from the storm water before it enters the Crescent City Harbor.

A 48-inch HDPE storm drain pipe will be installed on Front Street between C Street and F Street and a failing CMP storm drain on Front Street between F Street and H Street will be replaced with a new 48" line. Furthermore, a new 36" HDPE pipe will be installed within the C Street ROW between Front and 4<sup>th</sup> Street, a new 24" HDPE pipe will be installed within the 4<sup>th</sup> Street ROW between C & D Street, and a 24"

C

HDPE pipe will be installed within the D Street ROW between 4<sup>th</sup> and 5<sup>th</sup> Street. Lastly, a failing CMP line located within the F Street ROW between Front Street and 5th Street will be replaced. Replacement includes installing a new 42" HDPE pipe and a 36" HDPE pipe within the ROW and abandoning an inadequate Storm Drain currently located under residential properties outside of the City Right of Way. Excavation depths will range from 10 to 15 feet (refer to attached project plans for further details).

The proposed project will require the reconstruction and/or repair of the subject roadways. As such, the proposed project includes the construction of 44 new ADA compliant Access Ramps, 26,000 square feet of sidewalk, and over 2600 LF of curb and gutter. Approximately 2,000 lineal feet of Front Street between B Street and H Street will be reconfigured with medians to divide the one lane road into two lanes. The lanes will narrower than the current configuration for traffic control & safety. Furthermore, that portion of Front Street between E Street and H Street will be divided thereby creating two lanes of travel on the north half of the roadway and the existing south half of the road will be converted to public parking (refer to attached Front Street design plan further details).

## ANALYSIS

The California Environmental Quality Act is clear in that when a lead agency is reviewing a project it needs to consider the facts and substantial evidence:

Pursuant to CEQA Section 21080, substantial evidence includes "facts, reasonable assumptions predicated upon facts, and expert opinion supported by facts." It does not include "argument, speculation, unsubstantiated opinion or narrative, evidence which is clearly inaccurate or erroneous, or evidence of social or economic impacts which do not contribute to, or are not caused by, physical impacts on the environment."

Further, public controversy over the possible environmental effects of a project is not sufficient reason to require an EIR "if there is no substantial evidence in light of the whole record before the lead agency that the project may have a significant effect on the environment" (Section 21082.2).

Upon adopting a Mitigated Negative Declaration, the Lead Agency must make both of the following findings:

Revisions in the project plans or proposals made by, or agreed to by, the applicant before the proposed negative declaration and initial study are released for public review would avoid the effects or mitigate the effects to a point where clearly no significant effect on the environment would occur.

There is no substantial evidence in light of the whole record before the public agency that the project, as revised, may have a significant effect on the environment.  
(Sections 21064.5 and 21080(c)).

After considering the project as a whole it was determined that the project with proposed mitigation measures would not have a significant impact on the environment and a Mitigated Negative Declaration was prepared (refer to attached Mitigated Negative Declaration for further details).



## **Public Comment**

Per CEQA Guidelines 15073, agencies must afford the public the opportunity to comment on a proposed negative declaration. The Notice of Intent to adopt the Mitigated Negative Declaration was published in the Daily Triplicate and filed with the County Clerk for a period of 30 days. To date the City has not received any public comments.

## **Agency Comment**

Per CEQA Guidelines 15073 when a proposed negative declaration or mitigated negative declaration and initial study have been submitted to the State Clearinghouse for review by state agencies, the public review period shall be at least as long as the review period established by the State Clearinghouse which is 30 days. The subject Mitigated Declaration was received, forwarded and posted for agency review by the Clearinghouse on November 19, 2018 (SCH#2018112051). The review period closed on December 18, 2018.

One comment was received from the Native American Heritage Commission. Concerns were raised about government to government consultation, specific discussion of tribal resources in the checklist and mitigation measures for inadvertent discoveries of human remains. However, the archaeological consultant personally met with tribal representatives to discuss the project and potential impacts. Furthermore, the City did send written notification and received written responses from tribal preservation officers. The tribes asked to be notified prior to the start of construction so that they may monitor excavation activities if they so choose. Furthermore, a mitigation measure for response to the inadvertent discovery of human remains has been added.

The City did not receive any other agency comments.

## **Environmental Determination:**

A Mitigated Negative Declaration was prepared pursuant to the California Environmental Quality Act (CEQA Guidelines §15073), which covers projects that meet the following criteria:

- (a) The initial study shows that there is no substantial evidence, in light of the whole record before the agency, that the project may have a significant effect on the environment, or
- (b) The initial study identifies potentially significant effects, but:
  - (1) Revisions in the project plans or proposals made by, agreed to by the applicant before a proposed mitigated negative declaration and initial study are released for public review would avoid the effects or mitigate the effects to a point where clearly no significant effects would occur, and
  - (2) There is no substantial evidence, in light of the whole record before the agency, that the project as revised may have a significant effect on the environment.

The Mitigated Negative Declaration (SCH # 2018112051) was submitted to the State Clearinghouse for agency review. No agency comments have been submitted (refer to attached State Clearinghouse letter for further details).

The Notice of Intent to adopt a Mitigated Negative Declaration was published on December 11, 2018, which began a 30-day public comment period which ended on January 10, 2019. To date the City did not receive any public comments on the proposed project.

The Notice of Intent to adopt a Mitigated Negative Declaration was filed with the County Clerk Recorder on December 5, 2018, which began a 30-day public comment period which ended on January 10, 2019. To date the City did not receive any public comments on the proposed project.

**Recommended Findings:**

Staff recommends that the Planning Commission make the following findings:

1. Revisions in the project plans or proposals made by, or agreed to by, the applicant before the proposed negative declaration and initial study are released for public review would avoid the effects or mitigate the effects to a point where clearly no significant effect on the environment would occur.
2. There is no substantial evidence, in light of the whole record before the agency, that the project as revised may have a significant effect on the environment.

**Recommended Actions:**

Staff recommends that the Planning Commission take the following actions:

1. Open the public hearing to receive comments on the project.
2. Adopt the recommended findings.

- Attachments:**
- A) Letter from State Clearing House
  - B) Notice of Intent/proof of publication
  - C) Notice of Completion
  - D) Initial Study/Mitigated Negative Declaration
  - E) Response letter from NAHC





Edmund G. Brown Jr.  
Governor

STATE OF CALIFORNIA  
Governor's Office of Planning and Research  
State Clearinghouse and Planning Unit



Ken Alex  
Director

December 19, 2018

Eric Taylor  
Crescent City  
377 J Street  
Crescent City, CA 95531

Subject: City of Crescent City Storm Drain Improvement Project (CEQA)  
SCH#: 2018112051

Dear Eric Taylor:

The State Clearinghouse submitted the above named Mitigated Negative Declaration to selected state agencies for review. On the enclosed Document Details Report please note that the Clearinghouse has listed the state agencies that reviewed your document. The review period closed on December 18, 2018, and the comments from the responding agency (ies) is (are) enclosed. If this comment package is not in order, please notify the State Clearinghouse immediately. Please refer to the project's ten-digit State Clearinghouse number in future correspondence so that we may respond promptly.

Please note that Section 21104(c) of the California Public Resources Code states that:

"A responsible or other public agency shall only make substantive comments regarding those activities involved in a project which are within an area of expertise of the agency or which are required to be carried out or approved by the agency. Those comments shall be supported by specific documentation."

These comments are forwarded for use in preparing your final environmental document. Should you need more information or clarification of the enclosed comments, we recommend that you contact the commenting agency directly.

This letter acknowledges that you have complied with the State Clearinghouse review requirements for draft environmental documents, pursuant to the California Environmental Quality Act. Please contact the State Clearinghouse at (916) 445-0613 if you have any questions regarding the environmental review process.

Sincerely,

Scott Morgan  
Director, State Clearinghouse

Enclosures  
cc: Resources Agency

Document Details Report  
State Clearinghouse Data Base

**SCH#** 2018112051  
**Project Title** City of Crescent City Storm Drain Improvement Project (CEQA)  
**Lead Agency** Crescent City

**Type** **MND** Mitigated Negative Declaration

**Description** The proposed project includes a major storm drain capacity improvements project on Front Street, C St, and F St in Crescent City, CA. The existing storm drains have proven inadequate and cause yearly flooding of major collector streets including Front St and Fifth St, intersections, and residential properties. A new outfall will be installed adjacent to the existing outfall behind the wastewater treatment plant. The proposed project will require the reconstruction and/or repair of the subject roadways. As such, the proposed project includes the construction of 44 new ADA compliant Access Ramps, 26,000 sf of sidewalk, and over 2600 LF of curb and gutter. Approx 2,000 lf of Front St between B St and H St will be reconfigured with medians to divide the one land road into two lanes and create parking on Front St.

**Lead Agency Contact**

**Name** Eric Taylor  
**Agency** Crescent City  
**Phone** (707) 464-9506 x 236  
**email**  
**Address** 377 J Street  
**City** Crescent City  
**State** CA **Zip** 95531  
**Fax**

**Project Location**

**County** Del Norte  
**City** Crescent City  
**Region**  
**Lat / Long** 41° .750' .584" N / 124° .199' .031" W  
**Cross Streets** Front St, Second St, Howe Dr, C St, F St, H St  
**Parcel No.**  
**Township** 16N **Range** 1W **Section** 29 **Base** HBM

**Proximity to:**

**Highways** 101  
**Airports** Dale Rupert  
**Railways**  
**Waterways** Crescent City Harbor  
**Schools** Crescent Elk  
**Land Use** mix of residential/commercial and OS, GP - VLC, BP, MF, CZHR & CZO

**Project Issues** Aesthetic/Visual; Agricultural Land; Air Quality; Archaeologic-Historic; Biological Resources; Cumulative Effects; Flood Plain/Flooding; Forest Land/Fire Hazard; Geologic/Seismic; Growth Inducing; Landuse; Minerals; Noise; Population/Housing Balance; Public Services; Recreation/Parks; Sewer Capacity; Soil Erosion/Compaction/Grading; Solid Waste; Toxic/Hazardous; Traffic/Circulation; Vegetation; Water Quality; Water Supply; Wetland/Riparian; Coastal Zone

**Reviewing Agencies** Resources Agency; California Coastal Commission; Office of Historic Preservation; Department of Parks and Recreation; Department of Water Resources; Caltrans, Division of Aeronautics; California Highway Patrol; Caltrans, District 1; Department of Fish and Wildlife, Region 1E; Office of Emergency Services, California; Regional Water Quality Control Board, Region 1; State Water Resources Control Board, Division of Financial Assistance; Department of Toxic Substances Control; Native American Heritage Commission; State Lands Commission

**Date Received** 11/19/2018 **Start of Review** 11/19/2018 **End of Review** 12/18/2018





clear  
12/13/18  
E

November 29, 2018

Governor's Office of Planning & Research

Eric Taylor  
City of Crescent City  
377 J Street  
Crescent City, CA 95531

DEC 03 2018

STATE CLEARINGHOUSE

Re: SCH# 2018112051, City of Crescent City Storm Drain Improvement Project, City of Crescent City; Del Norte County, California

Dear Mr. Taylor:

The Native American Heritage Commission (NAHC) has reviewed the Mitigated Negative Declaration (MND) prepared for the project referenced above. The review included the Project Description; the Initial Study Environmental Checklist, section 5, Cultural Resources prepared by Roscoe & Associates for the City of Crescent City. We have the following concerns:

1. There is no Tribal Cultural Resources section or subsection in the Initial Study / Environmental Checklist as per California Natural Resources Agency (2016) "Final Text for tribal cultural resources update to Appendix G: Environmental Checklist Form," <http://resources.ca.gov/ceqa/docs/ab52/Clean-final-AB-52-App-G-text-Submitted.pdf> Questions of significance for Tribal Cultural Resources are not addressed.
2. There is no documentation of **government-to-government consultation by the lead agency** under AB-52 with Native American tribes traditionally and culturally affiliated to the project area as required by statute, or that mitigation measures were developed in consultation with the tribes. The Cultural Resources report refers the City specifically to two culturally affiliated tribes for consultation.
3. Mitigation for inadvertent finds of Archaeological Resources, Cultural Resources, Tribal Cultural Resources, or Human Remains is missing or incomplete. Standard mitigation measures should be included in the document. Please refer to Health and Safety Code § 7050.5 and Public Resources Code § 5097.98 for the process for inadvertent finds of human remains. Sample mitigation measures for Tribal Cultural Resources can be found in the CEQA guidelines at [http://opr.ca.gov/docs/Revised\\_AB\\_52\\_Technical\\_Advisory\\_March\\_2017.pdf](http://opr.ca.gov/docs/Revised_AB_52_Technical_Advisory_March_2017.pdf)

Please contact me at [gayle.totton@nahc.ca.gov](mailto:gayle.totton@nahc.ca.gov) or call (916) 373-3714 if you have any questions.

Sincerely,

Handwritten signature of Gayle Totton in cursive.

Gayle Totton, B.S., M.A., Ph.D.  
Associate Governmental Project Analyst

Attachment

cc: State Clearinghouse

## ADDITIONAL INFORMATION

The California Environmental Quality Act (CEQA)<sup>1</sup>, specifically Public Resources Code section 21084.1, states that a project that may cause a substantial adverse change in the significance of a historical resource is a project that may have a significant effect on the environment.<sup>2</sup> If there is substantial evidence, in light of the whole record before a lead agency, that a project may have a significant effect on the environment, an environmental impact report (EIR) shall be prepared.<sup>3</sup> In order to determine whether a project will cause a substantial adverse change in the significance of a historical resource, a lead agency will need to determine whether there are historical resources with the area of project effect (APE).

CEQA was amended in 2014 by Assembly Bill 52. (AB 52).<sup>4</sup> **AB 52 applies to any project for which a notice of preparation or a notice of negative declaration or mitigated negative declaration is filed on or after July 1, 2015.** AB 52 created a separate category for "tribal cultural resources"<sup>5</sup>, that now includes "a project with an effect that may cause a substantial adverse change in the significance of a tribal cultural resource is a project that may have a significant effect on the environment."<sup>6</sup> Public agencies shall, when feasible, avoid damaging effects to any tribal cultural resource.<sup>7</sup> Your project may also be subject to **Senate Bill 18 (SB 18)** (Burton, Chapter 905, Statutes of 2004), Government Code 65352.3, if it also involves the adoption of or amendment to a general plan or a specific plan, or the designation or proposed designation of open space. **Both SB 18 and AB 52 have tribal consultation requirements.** Additionally, if your project is also subject to the federal National Environmental Policy Act (42 U.S.C. § 4321 et seq.) (NEPA), the tribal consultation requirements of Section 106 of the National Historic Preservation Act of 1966<sup>8</sup> may also apply.

**Consult your legal counsel about compliance with AB 52 and SB 18 as well as compliance with any other applicable laws.**

Agencies should be aware that AB 52 does not preclude agencies from initiating tribal consultation with tribes that are traditionally and culturally affiliated with their jurisdictions before the timeframes provided in AB 52. For that reason, we urge you to continue to request Native American Tribal Consultation Lists and Sacred Lands File searches from the NAHC. The request forms can be found online at: <http://nahc.ca.gov/resources/forms/>. Additional information regarding AB 52 can be found online at [http://nahc.ca.gov/wp-content/uploads/2015/10/AB52TribalConsultation\\_CalEPAPDF.pdf](http://nahc.ca.gov/wp-content/uploads/2015/10/AB52TribalConsultation_CalEPAPDF.pdf), entitled "Tribal Consultation Under AB 52: Requirements and Best Practices".

The NAHC recommends lead agencies consult with all California Native American tribes that are traditionally and culturally affiliated with the geographic area of your proposed project as early as possible in order to avoid inadvertent discoveries of Native American human remains and best protect tribal cultural resources.

A brief summary of portions of AB 52 and SB 18 as well as the NAHC's recommendations for conducting cultural resources assessments is also attached.

## Pertinent Statutory Information:

### **Under AB 52:**

AB 52 has added to CEQA the additional requirements listed below, along with many other requirements:

Within fourteen (14) days of determining that an application for a project is complete or of a decision by a public agency to undertake a project, a **lead agency** shall provide formal notification to a designated contact of, or tribal representative of, traditionally and culturally affiliated California Native American tribes that have requested notice.

A **lead agency** shall begin the consultation process within 30 days of receiving a request for consultation from a California Native American tribe that is traditionally and culturally affiliated with the geographic area of the proposed project.<sup>9</sup> and **prior to the release of a negative declaration, mitigated negative declaration or environmental impact report.** For purposes of AB 52, "consultation shall have the same meaning as provided in Gov. Code § 65352.4 (SB 18).<sup>10</sup>

The following topics of consultation, if a tribe requests to discuss them, are mandatory topics of consultation:

- a. Alternatives to the project.
- b. Recommended mitigation measures.
- c. Significant effects.<sup>11</sup>

1. The following topics are discretionary topics of consultation:

- a. Type of environmental review necessary.
- b. Significance of the tribal cultural resources.

<sup>1</sup> Pub. Resources Code § 21000 et seq.

<sup>2</sup> Pub. Resources Code § 21084.1; Cal. Code Regs., tit. 14, § 15064.5 (b); CEQA Guidelines Section 15064.5 (b)

<sup>3</sup> Pub. Resources Code § 21080 (d); Cal. Code Regs., tit. 14, § 15064 subd.(a)(1); CEQA Guidelines § 15064 (a)(1)

<sup>4</sup> Government Code 65352.3

<sup>5</sup> Pub. Resources Code § 21074

<sup>6</sup> Pub. Resources Code § 21084.2

<sup>7</sup> Pub. Resources Code § 21084.3 (a)

<sup>8</sup> 154 U.S.C. 300101, 36 C.F.R. § 800 et seq.

<sup>9</sup> Pub. Resources Code § 21080.3.1, subds. (d) and (e)

<sup>10</sup> Pub. Resources Code § 21080.3.1 (b)

<sup>11</sup> Pub. Resources Code § 21080.3.2 (a)



c. Significance of the project's impacts on tribal cultural resources.

If necessary, project alternatives or appropriate measures for preservation or mitigation that the tribe may recommend to the lead agency.<sup>12</sup>

With some exceptions, any information, including but not limited to, the location, description, and use of tribal cultural resources submitted by a California Native American tribe during the environmental review process **shall not be included in the environmental document or otherwise disclosed by the lead agency or any other public agency to the public, consistent with Government Code sections 6254 (r) and 6254.10.** Any information submitted by a California Native American tribe during the consultation or environmental review process shall be published in a confidential appendix to the environmental document unless the tribe that provided the information consents, in writing, to the disclosure of some or all of the information to the public.<sup>13</sup>

If a project may have a significant impact on a tribal cultural resource, **the lead agency's environmental document shall discuss** both of the following:

- a. Whether the proposed project has a significant impact on an identified tribal cultural resource.
- b. Whether feasible alternatives or mitigation measures, including those measures that may be agreed to pursuant to Public Resources Code section 21082.3, subdivision (a), avoid or substantially lessen the impact on the identified tribal cultural resource.<sup>14</sup>

Consultation with a tribe shall be considered concluded when either of the following occurs:

- a. The parties agree to measures to mitigate or avoid a significant effect, if a significant effect exists, on a tribal cultural resource; or
- b. A party, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached.<sup>15</sup>

Any mitigation measures agreed upon in the consultation conducted pursuant to Public Resources Code section 21080.3.2 **shall be recommended for inclusion in the environmental document and in an adopted mitigation monitoring and reporting program**, if determined to avoid or lessen the impact pursuant to Public Resources Code section 21082.3, subdivision (b), paragraph 2, and shall be fully enforceable.<sup>16</sup>

If mitigation measures recommended by the staff of the lead agency as a result of the consultation process are not included in the environmental document or if there are no agreed upon mitigation measures at the conclusion of consultation, or if consultation does not occur, and if substantial evidence demonstrates that a project will cause a significant effect to a tribal cultural resource, **the lead agency shall consider feasible mitigation** pursuant to Public Resources Code section 21084.3 (b).<sup>17</sup>

An environmental impact report **may not be certified**, nor may a mitigated negative declaration or a negative declaration be adopted unless one of the following occurs:

- a. The consultation process between the tribes and the lead agency has occurred as provided in Public Resources Code sections 21080.3.1 and 21080.3.2 and concluded pursuant to Public Resources Code section 21080.3.2.
- b. The tribe that requested consultation failed to provide comments to the lead agency or otherwise failed to engage in the consultation process.
- c. The lead agency provided notice of the project to the tribe in compliance with Public Resources Code section 21080.3.1 (d) and the tribe failed to request consultation within 30 days.<sup>18</sup>

***This process should be documented in the Tribal Cultural Resources section of your environmental document.***

#### Under SB 18:

Government Code § 65352.3 (a) (1) requires consultation with Native Americans on general plan proposals for the purposes of "preserving or mitigating impacts to places, features, and objects described § 5097.9 and § 5091.993 of the Public Resources Code that are located within the city or county's jurisdiction. Government Code § 65560 (a), (b), and (c) provides for consultation with Native American tribes on the open-space element of a county or city general plan for the purposes of protecting places, features, and objects described in Sections 5097.9 and 5097.993 of the Public Resources Code.

- SB 18 applies to **local governments** and requires them to contact, provide notice to, refer plans to, and consult with tribes prior to the adoption or amendment of a general plan or a specific plan, or the designation of open space. Local governments should consult the Governor's Office of Planning and Research's "Tribal Consultation Guidelines," which can be found online at: [https://www.opr.ca.gov/docs/09\\_14\\_05\\_Updated\\_Guidelines\\_922.pdf](https://www.opr.ca.gov/docs/09_14_05_Updated_Guidelines_922.pdf)
- **Tribal Consultation:** If a local government considers a proposal to adopt or amend a general plan or a specific plan, or to designate open space it is required to contact the appropriate tribes identified by the NAHC by requesting a "Tribal Consultation List." If a tribe, once contacted, requests consultation the local government must consult with the tribe on the plan proposal. **A tribe has 90 days from the date of receipt of notification to request consultation unless a shorter timeframe has been agreed to by the tribe.**<sup>19</sup>
- There is no Statutory Time Limit on Tribal Consultation under the law.

<sup>12</sup> Pub. Resources Code § 21080.3.2 (a)

<sup>13</sup> Pub. Resources Code § 21082.3 (c)(1)

<sup>14</sup> Pub. Resources Code § 21082.3 (b)

<sup>15</sup> Pub. Resources Code § 21080.3.2 (b)

<sup>16</sup> Pub. Resources Code § 21082.3 (a)

<sup>17</sup> Pub. Resources Code § 21082.3 (e)

<sup>18</sup> Pub. Resources Code § 21082.3 (d)

<sup>19</sup> (Gov. Code § 65352.3 (a)(2)).



- **Confidentiality:** Consistent with the guidelines developed and adopted by the Office of Planning and Research,<sup>20</sup> the city or county shall protect the confidentiality of the information concerning the specific identity, location, character, and use of places, features and objects described in Public Resources Code sections 5097.9 and 5097.993 that are within the city's or county's jurisdiction.<sup>21</sup>
- **Conclusion Tribal Consultation:** Consultation should be concluded at the point in which:
  - The parties to the consultation come to a mutual agreement concerning the appropriate measures for preservation or mitigation; or
  - Either the local government or the tribe, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached concerning the appropriate measures of preservation or mitigation.<sup>22</sup>

#### **NAHC Recommendations for Cultural Resources Assessments:**

- Contact the NAHC for:
  - A Sacred Lands File search. Remember that tribes do not always record their sacred sites in the Sacred Lands File, nor are they required to do so. A Sacred Lands File search is not a substitute for consultation with tribes that are traditionally and culturally affiliated with the geographic area of the project's APE.
  - A Native American Tribal Contact List of appropriate tribes for consultation concerning the project site and to assist in planning for avoidance, preservation in place, or, failing both, mitigation measures.
    - The request form can be found at <http://nahc.ca.gov/resources/forms/>.
- Contact the appropriate regional California Historical Research Information System (CHRIS) Center ([http://ohp.parks.ca.gov/?page\\_id=1068](http://ohp.parks.ca.gov/?page_id=1068)) for an archaeological records search. The records search will determine:
  - If part or the entire APE has been previously surveyed for cultural resources.
  - If any known cultural resources have been already been recorded on or adjacent to the APE.
  - If the probability is low, moderate, or high that cultural resources are located in the APE.
  - If a survey is required to determine whether previously unrecorded cultural resources are present.
- If an archaeological inventory survey is required, the final stage is the preparation of a professional report detailing the findings and recommendations of the records search and field survey.
  - The final report containing site forms, site significance, and mitigation measures should be submitted immediately to the planning department. All information regarding site locations, Native American human remains, and associated funerary objects should be in a separate confidential addendum and not be made available for public disclosure.
  - The final written report should be submitted within 3 months after work has been completed to the appropriate regional CHRIS center.

#### **Examples of Mitigation Measures That May Be Considered to Avoid or Minimize Significant Adverse Impacts to Tribal Cultural Resources:**

- Avoidance and preservation of the resources in place, including, but not limited to:
  - Planning and construction to avoid the resources and protect the cultural and natural context.
  - Planning greenspace, parks, or other open space, to incorporate the resources with culturally appropriate protection and management criteria.
- Treating the resource with culturally appropriate dignity, taking into account the tribal cultural values and meaning of the resource, including, but not limited to, the following:
  - Protecting the cultural character and integrity of the resource.
  - Protecting the traditional use of the resource.
  - Protecting the confidentiality of the resource.
- Permanent conservation easements or other interests in real property, with culturally appropriate management criteria for the purposes of preserving or utilizing the resources or places.
- Please note that a federally recognized California Native American tribe or a non-federally recognized California Native American tribe that is on the contact list maintained by the NAHC to protect a California prehistoric, archaeological, cultural, spiritual, or ceremonial place may acquire and hold conservation easements if the conservation easement is voluntarily conveyed.<sup>23</sup>
- Please note that it is the policy of the state that Native American remains and associated grave artifacts shall be repatriated.<sup>24</sup>

The lack of surface evidence of archaeological resources (including tribal cultural resources) does not preclude their subsurface existence.

- Lead agencies should include in their mitigation and monitoring reporting program plan provisions for the identification and evaluation of inadvertently discovered archaeological resources.<sup>25</sup> In areas of identified

<sup>20</sup> pursuant to Gov. Code section 65040.2,

<sup>21</sup> (Gov. Code § 65352.3 (b)).

<sup>22</sup> (Tribal Consultation Guidelines, Governor's Office of Planning and Research (2005) at p. 18).

<sup>23</sup> (Civ. Code § 815.3 (c)).

<sup>24</sup> (Pub. Resources Code § 5097.991).

<sup>25</sup> per Cal. Code Regs., tit. 14, section 15064.5(f) (CEQA Guidelines section 15064.5(f)).



archaeological sensitivity, a certified archaeologist and a culturally affiliated Native American with knowledge of cultural resources should monitor all ground-disturbing activities.

- Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the disposition of recovered cultural items that are not burial associated in consultation with culturally affiliated Native Americans.
- Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the treatment and disposition of inadvertently discovered Native American human remains. Health and Safety Code section 7050.5, Public Resources Code section 5097.98, and Cal. Code Regs., tit. 14, section 15064.5, subdivisions (d) and (e) (CEQA Guidelines section 15064.5, subds. (d) and (e)) address the processes to be followed in the event of an inadvertent discovery of any Native American human remains and associated grave goods in a location other than a dedicated cemetery.

**CITY OF CRESCENT CITY  
PLANNING COMMISSION**

**DEC 05 2018**

**NOTICE OF INTENT TO ADOPT A  
MITIGATED NEGATIVE DECLARATION**

ALISSIA D. NORTHRUP  
CLERK/RECORDER  
DEL NORTE COUNTY

**NOTICE** is hereby given that the Crescent City Planning Commission will hold a public hearing on January 10, 2019 at 5:30 p.m. at the Flynn Center, County Board of Supervisors Chambers, 981 H Street, Crescent City, California to consider adopting a Mitigated Negative Declaration for the following projects:

**Application #:** ER18-01

**Project:** Storm Drain Improvement Project

**Applicant:** City of Crescent City Public Works Department

**Location:** The proposed project is in the Incorporated City of Crescent City between Fifth Street & Howe Drive and C Street & H Street.

**Description:** The proposed project includes a major storm drain capacity improvement project on Front Street, C Street, and F Street in Crescent City, California. The existing storm drains have proven inadequate and cause yearly flooding of major collector streets including Front Street and Fifth Street, intersections, and residential properties. Multiple times each year during these events emergency responders from the City Police Department, Fire Department, and Public Works are asked to respond to barricade and post warning signs on flooded streets and intersections, warn residents, and rescue stranded motorists. The flooding has caused thousands of dollars in damage to properties and in some cases forced residents to temporarily evacuate their homes.

The improvements required to resolve the flooding include increasing the storm drain system capacity to meet current acceptable design standards for public life, safety, and property. Design criteria used for the proposed storm drain improvement project has sufficient capacity to convey a once every 10-year storm event on local minor streets, a once every 25-year storm event on major collector streets, and a 100-year storm event for buildings. To accomplish this, the City will install a redundant and/or larger storm drain piping system within the C Street drainage basin between 5<sup>th</sup> Street and Howe Drive, and F Street drainage basin between Front Street and 5<sup>th</sup> Street.

The proposed project has several components including the installation of approximately 800' new 60-inch HDPE main line within the C Street ROW & Beachfront Park between Front Street and Howe Drive. Excavation for the 60" main will reach a maximum depth of 12'. The installation of the new main requires the construction of an additional outfall behind the Waste Water Treatment Plant. The new outfall design includes a box culvert to accommodate the 60" main line and rock armoring to prevent erosion. Excavation for the outfall will reach an approximate depth of 15'. A storm water separator will be installed near the inflow end of the 60' main approximately 700' north of the storm drain system outfall. The purpose of the separator is to remove trash from the storm water before it enters the Crescent City Harbor.

A 48-inch HDPE storm drain pipe will be installed on Front Street between C Street and F Street and a failing CMP storm drain on Front Street between F Street and H Street will be replaced with a new 48" line. Furthermore, a new 36" HDPE pipe will be installed within the C Street ROW between Front and 4<sup>th</sup> Street, a new 24" HDPE pipe will be installed within the 4<sup>th</sup> Street ROW between C & D Street, and a 24" HDPE pipe will be installed within the D Street ROW



between 4<sup>th</sup> and 5<sup>th</sup> Street. Lastly, a failing CMP line located within the F Street ROW between Front Street and 5th Street will be replaced. Replacement includes installing a new 42” HDPE pipe and a 36” HDPE pipe within the ROW and abandoning an inadequate Storm Drain currently located under residential properties outside of the City Right of Way. Excavation depths will range from 10 to 15 feet (refer to attached project plans for further details).

The proposed project will require the reconstruction and/or repair of the subject roadways. As such, the proposed project includes the construction of 44 new ADA compliant Access Ramps, 26,000 square feet of sidewalk, and over 2600 LF of curb and gutter. Approximately 2,000 lineal feet of Front Street between B Street and H Street will be reconfigured with medians to divide the one lane road into two lanes. The lanes will be narrower than the current configuration for traffic control & safety. Furthermore, that portion of Front Street between E Street and H Street will be divided thereby creating two lanes of travel on the north half of the roadway and the existing south half of the road will be converted to public parking (refer to Front Street design plans further details).

The public comment period will begin on December 11, 2018 and will end at the end of the public hearing on January 10, 2019. The proposed Mitigated Negative Declaration and associated project documents are available for review at City Hall, 377 J Street, Crescent City, California 95531.

Interested persons are invited to appear at the hearing and inform the City, orally or in writing, of any concerns they have regarding this project. At the public hearing, staff will describe the project and provide a recommendation, followed by a public comment period and discussion and possible action by the Planning Commission.

If you have any questions regarding this matter, please contact Eric Taylor, Director of Community Development, at City Hall, 377 J Street, 464-9506, ext. 236.

Date: December 5, 2018

Publish: December 11, 2018

NOTICE OF INTENT TO ADOPT A  
MITIGATED NEGATIVE DECLARATION

NOTICE is hereby given that the Crescent City Planning Commission will hold a public hearing on January 10, 2019 at 5:30 p.m. at the Flynn Center County Board of Supervisors Chambers, 981 H Street, Crescent City, California to consider adopting a Mitigated Negative Declaration for the following projects:

**Application #:** ER18-01  
**Project:** Storm Drain Improvement Project  
**Applicant:** City of Crescent City Public Works Department  
**Location:** The proposed project is in the Incorporated City of Crescent City between Fifth Street & Howe Drive and C Street & H Street.

**Description:** The proposed project includes a major storm drain capacity improvement project on Front Street, C Street, and F Street in Crescent City California. The existing storm drains have proven inadequate and cause yearly flooding of major collector streets including Front Street and Fifth Street, intersections, and residential properties. Multiple times each year during these events emergency responders from the City Police Department, Fire Department, and Public Works are asked to respond to barricade and post warning signs on flooded streets and intersections, warn residents and rescue stranded motorists. The flooding has caused thousands of dollars in damage to properties and in some cases forced residents to temporarily evacuate their homes.

The improvements required to resolve the flooding include increasing the storm drain system capacity to meet current acceptable design standards for public life, safety, and property. Design criteria used for the proposed storm drain improvement project has sufficient capacity to convey a once every 10-year storm event on local minor streets, a once every 25-year storm event on major collector streets, and a 100-year storm event for buildings. To accomplish this, the City will install a redundant and/or larger storm drain piping system within the C Street drainage basin between 5th Street and Howe Drive, and F Street drainage basin between Front Street and 5th Street.

The proposed project has several components including the installation of approximately 800' new 60-inch HDPE main line within the C Street ROW & Beachfront Park between Front Street and Howe Drive. Excavation for the 60" main will reach a maximum depth of 12'. The installation of the new main requires the construction of an additional outfall behind the Waste Water Treatment Plant. The new outfall design includes a box culvert to accommodate the 60" main line and rock armoring to prevent erosion. Excavation for the outfall will reach an approximate depth of 15'. A storm water separator will be installed near the inflow end of the 60" main approximately 700' north of the storm drain system outfall. The purpose of the separator is to remove trash from the storm water before it enters the Crescent City Harbor.

A 48-inch HDPE storm drain pipe will be installed on Front Street between C Street and F Street and a failing CMP storm drain on Front Street between F Street and H Street will be replaced with a new 48" line. Furthermore, a new 36" HDPE pipe will be installed within the C Street ROW between Front and 4th Street, a new 24" HDPE pipe will be installed within the 4th Street ROW between C & D Street, and a 24" HDPE pipe will be installed within the C Street ROW between 4th and 5th Street. Lastly, a failing CMP line located within the F Street ROW between Front Street and 5th Street will be replaced. Replacement includes installing a new 42" HDPE pipe and a 36" HDPE pipe within the ROW and abandoning an inadequate Storm Drain currently located under residential properties outside of the City Right of Way. Excavation depths will range from 10 to 15 feet (refer to attached project plans for further details).

The proposed project will require the reconstruction and/or repair of the subject roadways. As such, the proposed project includes the construction of 44 new ADA compliant Access Ramps, 26,000 square feet of sidewalk, and over 2600 LF of curb and gutter. Approximately 2,000 lineal feet of Front Street between B Street and H Street will be reconfigured with medians to divide the one lane road into two lanes. The lanes will be narrower than the current configuration for traffic control & safety. Furthermore, that portion of Front Street between E Street and H Street will be divided thereby creating two lanes of travel on the north half of the roadway and the existing south half of the road will be converted to public parking (refer to Front Street design plans further details).

The public comment period will begin on December 11, 2018 and will end at the end of the public hearing on January 10, 2019. The proposed Mitigated Negative Declaration and associated project documents are available for review at City Hall, 377 J Street, Crescent City, California 95531.

Interested persons are invited to appear at the hearing and inform the City orally or in writing, of any concerns they have regarding this project. At the public hearing, staff will describe the project and provide a recommendation followed by a public comment period and discussion and possible action by the Planning Commission.

If you have any questions regarding this matter, please contact Eric Taylor, Director of Community Development, at City Hall, 377 J Street, 464-9506 ext. 236.

Date: December 5, 2018  
Publish: December 11, 2018 Ad # 71198222



# Notice of Completion & Environmental Document Transmittal

Mail to: State Clearinghouse, P.O. Box 3044, Sacramento, CA 95812-3044 (916) 445-0613

For Hand Delivery/Street Address: 1400 Tenth Street, Sacramento, CA 95814

SCH #

**Project Title:** City of Crescent City Storm Drain Improvement Project (CEQA)

Lead Agency: City of Crescent City

Contact Person: Eric Taylor

Mailing Address: 377 J Street

Phone: 707-464-9506 ext 236

City: Crescent City

Zip: 95531

County: Del Norte

**Project Location:** County: Del Norte

City/Nearest Community: Crescent City

Cross Streets: Front Street, Second Street, Howe Drive, C Street, F Street, H Street.

Zip Code: 95531

Longitude/Latitude (degrees, minutes and seconds): 41 ° 750 ' 584 " N / -124 ° 199 ' 031 " W Total Acres: \_\_\_\_\_

Assessor's Parcel No.: N/A

Section: 29

Twp.: T16N

Range: R1W

Base: Humboldt

Within 2 Miles: State Hwy #: 101

Waterways: Crescent City Harbor

Airports: Dale Rupert

Railways: N/A

Schools: Crescent Elk

## Document Type:

- |       |   |  |       |                                    |        |   |
|-------|---|--|-------|------------------------------------|--------|---|
| CEQA: | <input type="checkbox"/> NOP                    | <input type="checkbox"/> Draft EIR                 | NEPA: | <input type="checkbox"/> NOI       | Other: | <input type="checkbox"/> Joint Document |
|       | <input type="checkbox"/> Early Cons             | <input type="checkbox"/> Supplement/Subsequent EIR |       | <input type="checkbox"/> EA        |        | <input type="checkbox"/> Final Document |
|       | <input type="checkbox"/> Neg Dec                | (Prior SCH No.) _____                              |       | <input type="checkbox"/> Draft EIS |        | <input type="checkbox"/> Other: _____   |
|       | <input checked="" type="checkbox"/> Mit Neg Dec | Other: _____                                       |       | <input type="checkbox"/> FONSI     |        |   |

## Local Action Type:

- |   |   |  |   |
|---|---|--|---|
| <input type="checkbox"/> General Plan Update    | <input type="checkbox"/> Specific Plan            | <input type="checkbox"/> Rezone                            | <input type="checkbox"/> Annexation     |
| <input type="checkbox"/> General Plan Amendment | <input type="checkbox"/> Master Plan              | <input type="checkbox"/> Prezone                           | <input type="checkbox"/> Redevelopment  |
| <input type="checkbox"/> General Plan Element   | <input type="checkbox"/> Planned Unit Development | <input type="checkbox"/> Use Permit                        | <input type="checkbox"/> Coastal Permit |
| <input type="checkbox"/> Community Plan         | <input type="checkbox"/> Site Plan                | <input type="checkbox"/> Land Division (Subdivision, etc.) | <input type="checkbox"/> Other: _____   |

## Development Type:

- |   |  |
|---|--|
| <input type="checkbox"/> Residential: Units _____ Acres _____                           | <input type="checkbox"/> Transportation: Type _____            |
| <input type="checkbox"/> Office: Sq.ft. _____ Acres _____ Employees _____               | <input type="checkbox"/> Mining: Mineral _____                 |
| <input type="checkbox"/> Commercial: Sq.ft. _____ Acres _____ Employees _____           | <input type="checkbox"/> Power: Type _____ MW _____            |
| <input type="checkbox"/> Industrial: Sq.ft. _____ Acres _____ Employees _____           | <input type="checkbox"/> Waste Treatment: Type _____ MGD _____ |
| <input type="checkbox"/> Educational: _____   | <input type="checkbox"/> Hazardous Waste: Type _____           |
| <input type="checkbox"/> Recreational: _____  | <input type="checkbox"/> Other: _____                          |
| <input checked="" type="checkbox"/> Water Facilities: Type <u>storm drain</u> MGD _____ |  |

## Project Issues Discussed in Document:

- |  |  |   |  |
|--|--|---|--|
| <input checked="" type="checkbox"/> Aesthetic/Visual         | <input type="checkbox"/> Fiscal                                | <input checked="" type="checkbox"/> Recreation/Parks                | <input checked="" type="checkbox"/> Vegetation               |
| <input checked="" type="checkbox"/> Agricultural Land        | <input checked="" type="checkbox"/> Flood Plain/Flooding       | <input type="checkbox"/> Schools/Universities                       | <input checked="" type="checkbox"/> Water Quality            |
| <input checked="" type="checkbox"/> Air Quality              | <input checked="" type="checkbox"/> Forest Land/Fire Hazard    | <input type="checkbox"/> Septic Systems                             | <input checked="" type="checkbox"/> Water Supply/Groundwater |
| <input checked="" type="checkbox"/> Archeological/Historical | <input checked="" type="checkbox"/> Geologic/Seismic           | <input checked="" type="checkbox"/> Sewer Capacity                  | <input checked="" type="checkbox"/> Wetland/Riparian         |
| <input checked="" type="checkbox"/> Biological Resources     | <input checked="" type="checkbox"/> Minerals                   | <input checked="" type="checkbox"/> Soil Erosion/Compaction/Grading | <input checked="" type="checkbox"/> Growth Inducement        |
| <input checked="" type="checkbox"/> Coastal Zone             | <input checked="" type="checkbox"/> Noise                      | <input checked="" type="checkbox"/> Solid Waste                     | <input checked="" type="checkbox"/> Land Use                 |
| <input type="checkbox"/> Drainage/Absorption                 | <input checked="" type="checkbox"/> Population/Housing Balance | <input checked="" type="checkbox"/> Toxic/Hazardous                 | <input checked="" type="checkbox"/> Cumulative Effects       |
| <input type="checkbox"/> Economic/Jobs                       | <input checked="" type="checkbox"/> Public Services/Facilities | <input checked="" type="checkbox"/> Traffic/Circulation             | <input type="checkbox"/> Other: _____                        |

## Present Land Use/Zoning/General Plan Designation:

Mix of Residential/Commercial and Open Space (CZHR, CZO, R2, RP), General Plan- VLC, BP, MF, CZHR & CZO.

## Project Description: (please use a separate page if necessary)

The proposed project includes a major storm drain capacity improvement project on Front Street, C Street, and F Street in Crescent City, California. The existing storm drains have proven inadequate and cause yearly flooding of major collector streets including Front Street and Fifth Street, intersections, and residential properties. A new outfall will be installed adjacent to the existing outfall behind the wastewater treatment plant. The proposed project will require the reconstruction and/or repair of the subject roadways. As such, the proposed project includes the construction of 44 new ADA compliant Access Ramps, 26,000 square feet of sidewalk, and over 2600 LF of curb and gutter. Approximately 2,000 lineal feet of Front Street between B Street and H Street will be reconfigured with medians to divide the one lane road into two lanes and create parking on Front Street.

Note: The State Clearinghouse will assign identification numbers for all new projects. If a SCH number already exists for a project (e.g. Notice of Preparation or previous draft document) please fill in.

**Reviewing Agencies Checklist**

Lead Agencies may recommend State Clearinghouse distribution by marking agencies below with an "X". If you have already sent your document to the agency please denote that with an "S".

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Air Resources Board              | <input type="checkbox"/> Office of Historic Preservation                     |
| <input type="checkbox"/> Boating & Waterways, Department of          | <input type="checkbox"/> Office of Public School Construction                |
| <input type="checkbox"/> California Emergency Management Agency      | <input type="checkbox"/> Parks & Recreation, Department of                   |
| <input type="checkbox"/> California Highway Patrol                   | <input type="checkbox"/> Pesticide Regulation, Department of                 |
| <input checked="" type="checkbox"/> Caltrans District # 1            | <input type="checkbox"/> Public Utilities Commission                         |
| <input type="checkbox"/> Caltrans Division of Aeronautics            | <input checked="" type="checkbox"/> Regional WQCB #NC 1                      |
| <input type="checkbox"/> Caltrans Planning                           | <input type="checkbox"/> Resources Agency                                    |
| <input type="checkbox"/> Central Valley Flood Protection Board       | <input type="checkbox"/> Resources Recycling and Recovery, Department of     |
| <input type="checkbox"/> Coachella Valley Mtns. Conservancy          | <input type="checkbox"/> S.F. Bay Conservation & Development Comm.           |
| <input checked="" type="checkbox"/> Coastal Commission               | <input type="checkbox"/> San Gabriel & Lower L.A. Rivers & Mtns. Conservancy |
| <input type="checkbox"/> Colorado River Board                        | <input type="checkbox"/> San Joaquin River Conservancy                       |
| <input type="checkbox"/> Conservation, Department of                 | <input type="checkbox"/> Santa Monica Mtns. Conservancy                      |
| <input type="checkbox"/> Corrections, Department of                  | <input checked="" type="checkbox"/> State Lands Commission                   |
| <input type="checkbox"/> Delta Protection Commission                 | <input type="checkbox"/> SWRCB: Clean Water Grants                           |
| <input type="checkbox"/> Education, Department of                    | <input type="checkbox"/> SWRCB: Water Quality                                |
| <input type="checkbox"/> Energy Commission                           | <input type="checkbox"/> SWRCB: Water Rights                                 |
| <input checked="" type="checkbox"/> Fish & Game Region # 1           | <input type="checkbox"/> Tahoe Regional Planning Agency                      |
| <input type="checkbox"/> Food & Agriculture, Department of           | <input type="checkbox"/> Toxic Substances Control, Department of             |
| <input type="checkbox"/> Forestry and Fire Protection, Department of | <input type="checkbox"/> Water Resources, Department of                      |
| <input type="checkbox"/> General Services, Department of             |  |
| <input type="checkbox"/> Health Services, Department of              | Other: _____   |
| <input checked="" type="checkbox"/> Housing & Community Development  | Other: _____   |
| <input type="checkbox"/> Native American Heritage Commission         |  |

**Local Public Review Period (to be filled in by lead agency)**

Starting Date November 13, 2018 Ending Date December 13, 2018

**Lead Agency (Complete if applicable):**

Consulting Firm: _____	Applicant: <u>City of Crescent City</u>
Address: _____	Address: <u>377 J Street</u>
City/State/Zip: _____	City/State/Zip: <u>Crescent City, CA 95531</u>
Contact: _____	Phone: <u>707-464-9506</u>
Phone: _____	

**Signature of Lead Agency Representative:** \_\_\_\_\_ **Date:** 11/9/2018

Authority cited: Section 21083, Public Resources Code. Reference: Section 21161, Public Resources Code.





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377 J STREET CRESCENT CITY, CALIFORNIA 95531-4025

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Administration/Finance: 707-464-7483  
Utilities: 707-464-6517

Public Works/Planning: 707-464-9506  
FAX: 707-465-4405

**CEQA Initial Study / Mitigated Negative Declaration**

**Project Title:** City of Crescent City 2018 Storm Drain Improvement Project

**Lead Agency Name and Address:** City of Crescent City  
377 J Street  
Crescent City, CA 95531

**Project Location:** The proposed project is in the City of Crescent City between Fifth Street & Howe Drive and C Street & H Street (Refer to attached location map for further details).

**Project Sponsor's Name and Address:** City of Crescent City  
377 J Street  
Crescent City, CA 95531

**General Plan Designation:** Visitor & Local Commercial, Business Professional, Multifamily, Coastal Zone Harbor Related & Coastal Zone Open Space

**Zoning:** Commercial Waterfront, R2 (Moderate Density Residential), RP (Residential Professional), CZHR (Coastal Zone Harbor Related) & CZO (Coastal Zone Open Space)

**Contact Person:** Eric Taylor, Director of Community Development

**Phone Number:** 707-464-9506

**Date Prepared:** November 8, 2018

**Public Review Period:** November 13, 2018 to December 13, 2018

# DRAFT INITIAL STUDY/NEGATIVE DECLARATION

**Project Description:** The proposed project includes a major storm drain capacity improvement project on Front Street, C Street, and F Street in Crescent City, California. The existing storm drains have proven inadequate and cause yearly flooding of major collector streets including Front Street and Fifth Street, intersections, and residential properties. Multiple times each year during these events emergency responders from the City Police Department, Fire Department, and Public Works are asked to respond to barricade and post warning signs on flooded streets and intersections, warn residents, and rescue stranded motorists. The flooding has caused thousands of dollars in damage to properties and in some cases forced residents to temporarily evacuate their homes.

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The proposed project has several components including the installation of approximately 800' new 60-inch HDPE main line within the C Street ROW & Beachfront Park between Front Street and Howe Drive. Excavation for the 60" main will reach a maximum depth of 12'. The installation of the new main requires the construction of an additional outfall behind the Waste Water Treatment Plant. The new outfall design includes a box culvert to accommodate the 60" main line and rock armoring to prevent erosion. Excavation for the outfall will reach an approximate depth of 15'. A storm water separator will be installed near the inflow end of the 60' main approximately 700' north of the storm drain system outfall. The purpose of the separator is to remove trash from the storm water before it enters the Crescent City Harbor.

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**Environmental Setting and Surrounding Land Uses:** The proposed project area is entirely within the incorporated City of Crescent City. Most of the project area encompasses approximately fifteen city blocks developed with roads, public utilities, and a mix of commercial and residential structures. The southern portion of the proposed project is located within the 40 acres of Beachfront Park. The park is directly adjacent to the Crescent City Harbor and Front Beach.

**The surrounding land uses include:**

- North: Commercial/residential
- South: Open Space (Beachfront Park)
- East: Commercial



# DRAFT INITIAL STUDY/NEGATIVE

- West: Commercial/residential

Other public agencies whose approval/review is required (e.g., permits, financing approval, or participation agreement):

- City of Crescent City Building Department
- City of Crescent City Public Works Department
- U. S. Department of Housing and Urban Development
- California Coastal Commission
- Regional Water Quality Control Board
- Army Corps of Engineers
- California Department of Fish & Wildlife

# DRAFT INITIAL STUDY/NEGATIVE DECLARATION

## Environmental Factors Potentially Affected:

The environmental factors checked below would be potentially affected by this project, as indicated by the checklist and corresponding discussion on the following pages.

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> Aesthetics                        | <input type="checkbox"/> Agriculture and Forestry Resources | <input type="checkbox"/> Air Quality                        |
| <input checked="" type="checkbox"/> Biological Resources   | <input type="checkbox"/> Cultural Resources                 | <input type="checkbox"/> Geology and Soils                  |
| <input type="checkbox"/> Greenhouse Gas Emissions          | <input type="checkbox"/> Hazards/Hazardous Materials        | <input checked="" type="checkbox"/> Hydrology/Water Quality |
| <input type="checkbox"/> Land Use/Planning                 | <input type="checkbox"/> Mineral Resources                  | <input checked="" type="checkbox"/> Noise                   |
| <input type="checkbox"/> Population/Housing                | <input type="checkbox"/> Public Services                    | <input type="checkbox"/> Recreation                         |
| <input checked="" type="checkbox"/> Transportation/Traffic | <input type="checkbox"/> Utilities/Service Systems          | <input type="checkbox"/> Mandatory Findings of Significance |



# DRAFT INITIAL STUDY/NEGATIVE

## DETERMINATION: (To be completed by the Lead Agency)

On the basis of this initial evaluation:

- I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
- I find that although the proposed project could have a significant effect on the environment there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.
- I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.
- I find that the proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.
- I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Prepares Signature:



Date

11/9/2018

Preparers Name & Title: Eric Taylor, Director of Community Development

# DRAFT INITIAL STUDY/NEGATIVE DECLARATION

## EVALUATION OF ENVIRONMENTAL IMPACTS:

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>1. AESTHETICS. Would the project:</b>				
a) Have a substantial adverse effect on a scenic vista?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Substantially degrade the existing visual character or quality of the site and its surroundings?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Create a new source of substantial light or glare that would adversely affect day or nighttime views in the area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

(a-d). The proposed project includes the replacement of and installation of underground storm drain lines, most of which is in existing City right of way. The storm drain lines will not be visible, no buildings or natural features will be damaged, and the project does not include the installation of any lighting. Therefore, there is no impact.



# DRAFT INITIAL STUDY/NEGATIVE

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
--	--------------------------------	--	------------------------------	-----------

2. **AGRICULTURE AND FOREST RESOURCES.** In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997), prepared by the California Department of Conservation as an optional model to use in assessing impacts on agriculture and farmland.

In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board.

Would the project:

a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code Section 12220(g)), timberland (as defined by Public Resources Code Section 4526), or timberland zoned Timberland Production (as defined by Government Code Section 51104(g))?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Result in the loss of forest land or conversion of forest land to non-forest use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland to non-agricultural use or conversion of forest land to non-forest use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

(a-e) According to the City of Crescent City General Plan Policy Document dated May 21, 2001, no lands within the City of Crescent City are designated as farmlands or agricultural lands. Furthermore, the project is generally within paved public ROW. Therefore, there is no impact.



# DRAFT INITIAL STUDY/NEGATIVE DECLARATION

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
<p>3. <b>AIR QUALITY.</b> Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations. Would the project:</p>				
a) Conflict with or obstruct implementation of the applicable air quality plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is in non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions that exceed quantitative thresholds for ozone precursors)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Expose sensitive receptors to substantial pollutant concentrations?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Create objectionable odors affecting a substantial number of people?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

(a-e) According to the most recent Ambient Air Quality Monitoring Status Report prepared by the North Coast Unified Air Quality Management District, Crescent City is in attainment for Federal and State ambient air quality standards (refer to attachment 3 for further details). ([http://www.ncuaqmd.org/index.php?page=air\\_quality](http://www.ncuaqmd.org/index.php?page=air_quality)). The project will generate fine particulate matter from excavation work and the use of heavy equipment, but this will be temporary and not on a large enough scale to violate Federal or State air quality standards. The project will not generate a short or long term in traffic volume. Therefore, the proposed project will not violate any Federal air quality standards or cause Crescent City to reach non-attainment status



# DRAFT INITIAL STUDY/NEGATIVE

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>4. BIOLOGICAL RESOURCES. Would the project:</b>				
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Have a substantial adverse effect on federally protected wetlands, as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal wetlands, etc.), through direct removal, filling, hydrological interruption or other means?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional or state habitat conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

(a-f) Zack Larson & Associates conducted a biological assessment of the project area in April & August of 2018. The survey identified two separate wetland areas. The first area is located on a vacant parcel of land between Front Street and Second Street. This area has vegetation that is associated with wetlands. However, the site is surrounded by development and the vegetation is growing on an area of fill material placed onsite when the original storm drain system was installed. The area is outside of the coastal zone and does not have soils or wildlife that are indicative of an ESHA. No mitigation measures are proposed for this area.

The area around the outfall is in the Coastal Zone and does contain wetland soils and vegetation. Disturbance within this area requires a 4 to 1 ration for wetland mitigation. Therefore, the project proposes to set the new outfall approximately 30 feet back from the existing outfall channel thereby creating new wetland. A wildlife biologist will prepare a replanting and wetland mitigation plan. Disturbed areas will be replanted with native wetland vegetation and monitored for success. Subsequent replanting will be made if the initial planting does not survive. Wetlands will be surveyed every day prior to construction activities to

# DRAFT INITIAL STUDY/NEGATIVE DECLARATION

ensure that special status plants and invertebrates are not inadvertently impacted. With the proposed mitigation measures the project will not result in adverse effects to ESHA (refer to attachment 5 for further details).



# DRAFT INITIAL STUDY/NEGATIVE

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>5. CULTURAL RESOURCES.</b> Would the project:				
a) Cause a substantial adverse change in the significance of a historical resource as defined in ? 15064.5?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to ? 15064.5?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Directly or indirectly destroy a unique paleontological resource or site or unique geological feature?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Disturb any human remains, including those interred outside of formal cemeteries?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

(a-d) An intensive archaeological investigation was conducted by Roscoe & Associates in the fall of 2018. The investigation did not uncover any documented archaeological resources within the project area. A site survey of the project area did not uncover any archaeological resources (refer to attachment 7 for further details). Furthermore, Roscoe consulted with local Native American representatives about the proposed project. No concerns were raised. However, they did request that the City notify them when the project commences. If inadvertent archaeological discoveries are made all work within 20 meters will immediately cease and a professional archaeologist will be brought in to inspect the cultural resource and make recommendations for mitigation measures. Recommended mitigation measures will be implemented.

If human remains are discovered during project construction, work will stop at the discovery location, within 20 meters, and any nearby area reasonably suspected to overlie adjacent to human remains. The Del Norte County Coroner shall be contacted immediately to examine the remains. The City and contractors shall comply with all relevant laws regarding the treatment and disposition of human remains and associated cultural materials.

# DRAFT INITIAL STUDY/NEGATIVE DECLARATION

		Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
6.	<b>GEOLOGY AND SOILS.</b> Would the project:				
a)	Expose people or structures to potential substantial adverse effects, including the risk of loss, injury or death, involving:				
i)	Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ii)	Strong seismic ground shaking?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
iii)	Seismic-related ground failure, including liquefaction?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
iv)	Landslides?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b)	Result in substantial soil erosion or the loss of topsoil?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c)	Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d)	Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e)	Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

(a-e) The project does not include the construction of new housing or buildings therefore the project does not put people or structures at risk of loss, injury or death from a seismic event. There is always the possibility of seismic shaking in Crescent City; however, the project is not on a known fault line.

In 2011 a geotechnical study was conducted by SHN for the Front Street redesign project which is one block away from the project site. The Geotechnical study concluded that the subbase material is sand which has an R value of 70. When properly compacted and confined the material is expected to provide proper pavement support (Geotechnical and Geophysical Evaluation, Front Street, Crescent City, California, September 29, 2011, pg 4) (refer to attachment 8 for further details).

The soils in the project area are adequate to support the project; If pockets of unstable soils are encountered then an aggregate base will be added to properly support the infrastructure.



# DRAFT INITIAL STUDY/NEGATIVE

	Potential y Significan t Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>7. GREENHOUSE GAS EMISSIONS.</b> Would the project:				
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(a-b) Greenhouse gas emissions will be created from the use of heavy equipment such as a backhoe and dump truck. However, the amount of emissions will not be substantial, and they will be limited to the construction period. Therefore, the project will not conflict with any plans, regulations, or policies for reducing greenhouse gases or create a significant impact on the environment.

# DRAFT INITIAL STUDY/NEGATIVE DECLARATION

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>8. HAZARDS AND HAZARDOUS MATERIALS. Would the project:</b>				
a) Create a significant hazard to the public or the environment through the routine transport, use or disposal of hazardous materials?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances or waste within one-quarter mile of an existing or proposed school?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code §65962.5 and, as a result, would it create a significant hazard to the public or the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) For a project located within an airport land use plan area or, where such a plan has not been adopted, within two miles of a public airport or a public use airport, would the project result in a safety hazard for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g) Impair implementation of, or physically interfere with, an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
h) Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

(a-h) The proposed project includes the installation of underground storm drain lines for the transportation of storm water runoff from City streets to the receiving waters of the Crescent City Harbor. A trash separator will be installed on the main line approximately 700 feet north of the outfall. The separator will remove solids before they enter receiving waters. The project does not include the transportation of or storage of toxic substances.

Neither the project site nor the adjacent property is listed as an EPA Superfund site. According to RWQCB Geotracker website there are no land disposal sites, or military sites within the project area or adjacent to the



project area. However, Geotracker did identify one cleanup program site (former Otten Distribution Bulk Plant) near the project area. The most recent monitoring report prepared by Blue Rock Environmental states that contamination from the site has not migrated to Front Street which is the closest portion of the project site. Therefore, the storm drain project site is not impacted by the cleanup program site (refer to attachment 4 for further details). The project site is not located within a wildland fire zone nor does the project include the development of housing or structures that would expose persons to risks associated with public or private airstrips.

# DRAFT INITIAL STUDY/NEGATIVE DECLARATION

	Potential y Significa nt Impact	Less Than Significant With Mitigation Incorporated	Less Than Significan t Impact	No Impact
<b>9. HYDROLOGY AND WATER QUALITY. Would the project:</b>				
a) Violate any water quality standards or waste discharge requirements?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on- or off-site?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner that would result in flooding on- or off-site?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Otherwise substantially degrade water quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g) Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
h) Place within a 100-year flood hazard area structures that would impede or redirect flood flows?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
i) Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of a failure of a levee or dam?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
j) Inundation by seiche, tsunami or mudflow?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(a-j). The project proposes to correct deficiencies in the storm drain system to alleviate periodic flooding. The project area is not located within a special flood hazard area as indicated on FIRM panels 0214 and 0327 (refer to attachment 2 for further details). Furthermore, the project does not propose the construction of or addition to structures.



		Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>10. LAND USE AND PLANNING.</b>	Would the project:				
a)	Physically divide an established community?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b)	Conflict with any applicable land use plan, policy or regulation of an agency with jurisdiction over the project (including, but not limited to, the general plan, specific plan, local coastal program or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c)	Conflict with any applicable habitat conservation plan or natural community conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

(a-c) The City of Crescent City General Plan Policy Document Dated May 21, 2001, contains Section 4 titled Public Facilities. One of the goals of Section 4 is to collect and convey storm water in a manner that least inconveniences the public, reduces or prevents potential water-related damage, and protects the environment (pg 4-4). The project proposes to eliminate flooding and damage to personal property related to water damage. The project also proposes to create new wetland and habitat area at the outfall. Therefore, the proposed project is in conformance with the Crescent City General Plan Policy Document.

# DRAFT INITIAL STUDY/NEGATIVE DECLARATION

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>11. MINERAL RESOURCES. Would the project:</b>				
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

(a-b) According to the City of Crescent City General Plan Background Report, 2001, there are no known mineral resources within the City of Crescent City. The City of Crescent City General Plan Policy Document does not contain any maps depicting mineral resource recovery sites. Therefore, there is no impact.



# DRAFT INITIAL STUDY/NEGATIVE

	Potential y Significa nt Impact	Less Than Significant With Mitigation Incorporate d	Less Than Significant Impact	No Impact
<b>12. NOISE.</b> Would the project result in:				
a) Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance or of applicable standards of other agencies?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) For a project located within an airport land use plan area or, where such a plan has not been adopted, within two miles of a public airport or a public use airport, would the project expose people residing or working in the project area to excessive noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

(a-f) Although the project will create limited and temporary noise generated by construction the project will not result in a permanent increase of ambient noise levels. Construction will be conducted between the hours of 7a.m. and 6 p.m. Monday through Saturday to reduce the impact of noise on the community. The project will not increase the capacity for development in the project area.

# DRAFT INITIAL STUDY/NEGATIVE DECLARATION

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>13. POPULATION AND HOUSING. Would the project:</b>				
a) Induce substantial population growth in an area, either directly (e.g., by proposing new homes and businesses) or indirectly (e.g., through extension of roads or other infrastructure)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

(a-c) The project does not propose to construct any new housing or the relocation of any existing housing or businesses. The project does include improvements to storm drain lines and pedestrian safety. However, the project will not create a significant increase in development creating a shift in demographics or significantly increasing new development. Due to Crescent City's remote location and tourism-based economy growth will remain slow for the foreseeable future. The City of Crescent City General Plan Background report indicates that annual growth in the County is about 2% (pg 2.16-2.19).



	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
<p><b>14. PUBLIC SERVICES.</b> Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the following public services:</p>				
a) Fire protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Police protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Schools?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Parks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Other public facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

(a-e) The proposed project only includes improvements to an existing storm drain system and improvements to roads and sidewalks. The project will decrease flooding and improve pedestrian safety thereby reducing the need for emergency services. The project will not increase the capacity for development which would create a burden on schools and parks. There is no impact.

		Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
15.	<b>RECREATION.</b>				
	a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	b) Does the project include recreational facilities, or require the construction or expansion of recreational facilities, which might have an adverse physical effect on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

(a-b) The storm drain main line will pass thru the western most portion of Beachfront Park adjacent to the Wastewater Treatment Plant. However, the line will be buried approximately 15 feet underground which will not create permanent impacts to the park. This portion of the park will be temporarily closed during construction and access on the West end of Howe Drive will be limited during construction. However, there are several access points into the park which will ensure that the majority of the 40-acre park will remain open and accessible. Therefore, there is no impact.



# DRAFT INITIAL STUDY/NEGATIVE

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>16. TRANSPORTATION/TRAFFIC.</b> Would the project:				
a) Conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Conflict with an applicable congestion management program, including, but not limited to level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that result in substantial safety risks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Result in inadequate emergency access?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(a-f) The project does not include the construction or decommission of any roads. Furthermore, the proposed project will not lead to a significant increase in new construction thereby increasing trips per day and placing heavier demand on existing roadways. The project does include improvements to Front Street which will improve traffic and pedestrian safety (refer to plans for further details).



# DRAFT INITIAL STUDY/NEGATIVE DECLARATION

		Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>17.</b>	<b>UTILITIES AND SERVICE SYSTEMS. Would the project:</b>				
a)	Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b)	Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c)	Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d)	Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e)	Result in a determination by the wastewater treatment provider that serves or may serve the project that it has adequate capacity to serve the project's projected demand, in addition to the provider's existing commitments?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f)	Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g)	Comply with federal, state and local statutes and regulations related to solid waste?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

(a-g) The project proposes to replace substandard portion of the existing City of Crescent City storm drain system within the project area. Furthermore, the project only proposes to repair existing roads which will be impacted by excavation for the storm drain system. The project will not increase the volume of storm water runoff. The project only serves to alleviate flooding from existing runoff. Most of the project area is developed with a mix of residential and commercial structures and public facilities such as streets and sidewalks. A trash separator will be installed before the outfall to remove litter from runoff before it enters receiving waters. The project will not result in significant environmental effects.

The proposed project will not disrupt any solid waste services. Solid waste in the form of asphalt, concrete and clay pipe will be generated. Concrete will be trucked to Hambros for recycling and the City will grind the asphalt and reuse it as an aggregate base for resurfacing. Approximately 200 tons of clay pipe will be removed and trucked to the Del Norte County Transfer Station for disposal. The transfer station can easily handle the disposal of the clay pipe according to Tedd Ward, Program Manager for the Solid Waste Authority.



# DRAFT INITIAL STUDY/NEGATIVE

		Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>18. MANDATORY FINDINGS OF SIGNIFICANCE</b>					
a)	Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wild-life population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of rare or endangered plants or animals, or eliminate important examples of the major periods of California history or prehistory?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b)	Does the project have impacts that are individually limited, but cumulatively considerable? "Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c)	Does the project have environmental effects that will cause substantial adverse effects on human beings, either directly or indirectly?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

## MITIGATION MEASURES

Coastal Zone Management	The City will continue to consult with California Coastal Commission staff on work within the coastal zone. Prior to construction the City will obtain a Coastal Development Permit from the California Coastal Commission and implement all condition of the permit.
Noise Abatement & Control	Construction will be conducted between the hours of 7a.m. and 6 p.m. Monday through Saturday to reduce the impact of noise on the community.
Historic Preservation	<p>Local Native American contacts will be notified prior to the commencement of the project. If inadvertent archaeological discoveries are made all work will immediately cease and a professional archaeologist will be brought in to inspect the cultural resource and make recommendations for mitigation measures. Recommended mitigation measures will be implemented.</p> <p>If human remains are discovered during project construction, work will stop at the discovery location, within 20 meters, and any nearby area reasonably suspected to overlie adjacent to human remains. The Del Norte County Coroner shall be contacted immediately to examine the remains. The City and contractors shall comply with all relevant laws regarding the treatment and disposition of human remains and associated cultural materials.</p>

# DRAFT INITIAL STUDY/NEGATIVE DECLARATION

Hazards and Nuisances including Site Safety and Noise	wildlife are not inadvertently impacted. Contractor will be required to prepare and implement a traffic control plan and best standard practices for construction safety to comply with Cal Trans and OSHA standards and specifications. Contractors will be required to follow mandatory safety policies and procedures as outlined in the California Department of Transportation Safety Manual and Federal Highways Administration requirements and the standard specifications establish compliance with safety regulations as a condition of the contract (Caltrans Construction Manual, pg. 2-1.1).
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## REPORT PREPARATION AND REFERENCE DOCUMENTS

This section identifies those involved in the preparation of this document as well as the sources used.

### PREPARERS OF THE REPORT

Lead Agency:

City of Crescent City

Community Development Department; Contact Eric Taylor

377 J Street

Crescent City, CA 95531

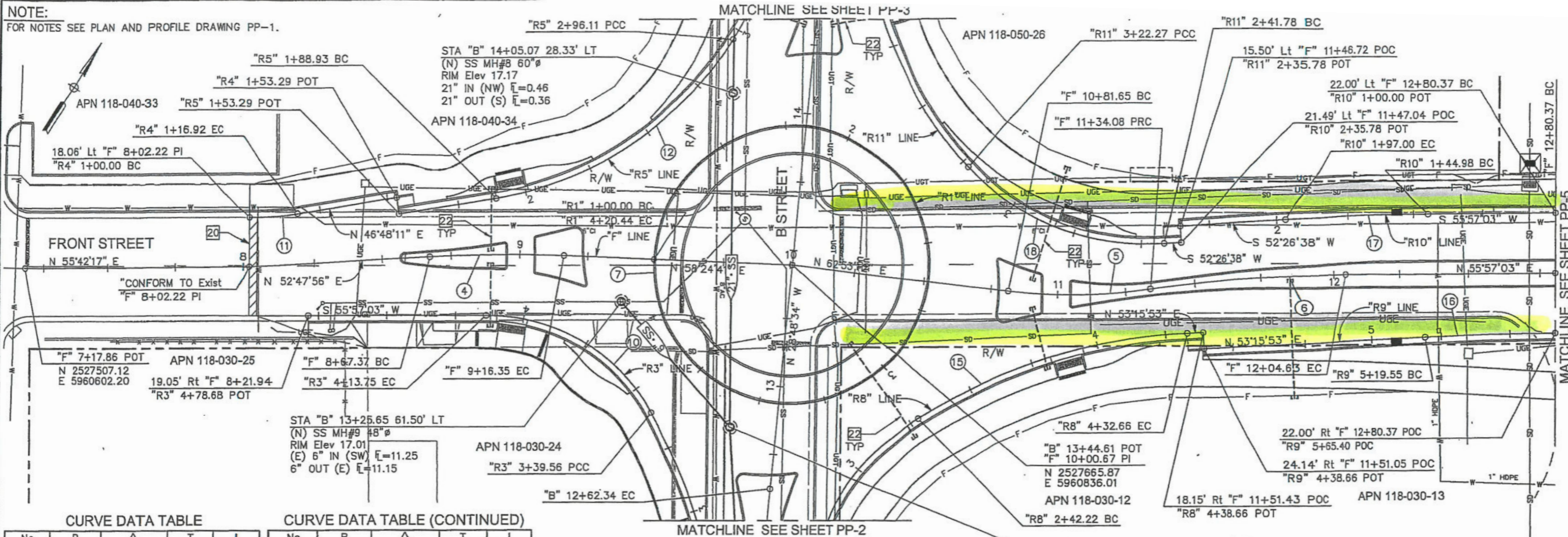
Phone: (707) 464-9506

### REFERENCE DOCUMENT

1. City of Crescent City 2018 Storm Drain Improvement Project Plans and Specifications
2. City of Crescent City General Plan Policy Document, 2001
3. Biological Assessment for C Street Storm Sewer Rehabilitation Project, 2018
4. FIRM # 06015C0327F & # 06015C0214F, August 2, 2017
5. A cultural Resources Investigation Report for the Crescent City Storm Drain Project, 2018
6. Geotechnical and Geophysical Evaluation, Front Street, Crescent City, California, September 29, 2011
7. North Coast Unified Air Quality Management District Air Monitoring Report, September 2018
8. Regional water Quality Control Board Geotracker Website
9. City of Crescent City General Plan Background Report, 2001
10. Fire Severity Zone Map, State of California, 2007



NOTE:  
FOR NOTES SEE PLAN AND PROFILE DRAWING PP-1.



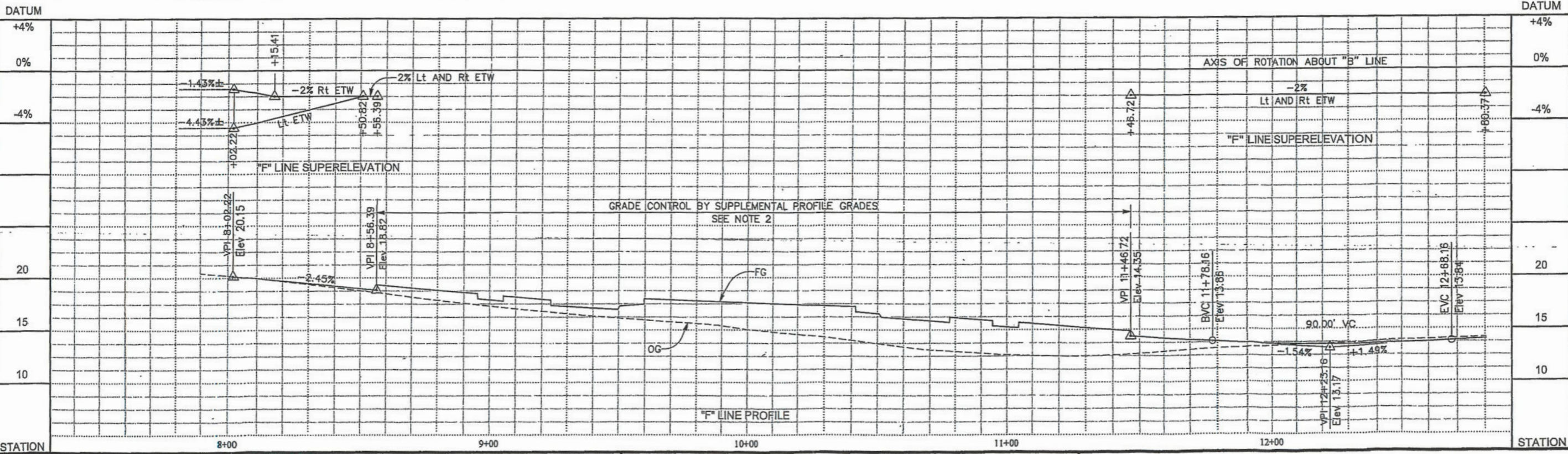
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6	500.00	8°05'04"	35.33	70.55
7	51.00	360°00'00"	0.00	320.44
10	70.00	60°43'39"	41.01	74.19
11	106.00	9°08'52"	8.48	16.92

**CURVE DATA TABLE (CONTINUED)**

No.	R	Δ	T	L
11	106.00	9°08'52"	8.48	16.92
12	125.00	49°07'44"	57.14	107.18
15	204.00	29°19'30"	53.38	104.41
16	978.00	2°41'10"	22.93	45.85
17	850.00	3°30'25"	26.02	52.03
18	93.00	49°35'10"	42.96	80.49

**SCALE**  
Horiz: 1" = 20'  
Vert: 1" = 5'



STATION 8+00 9+00 10+00 11+00 12+00 STATION

DESIGN OVERSIGHT QUALITY CONTROL APPROVAL

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES

SUPERVISION BY \_\_\_\_\_ R.C.E. NUMBER \_\_\_\_\_ SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

Q.C. REVIEW BY \_\_\_\_\_ R.C.E. NUMBER \_\_\_\_\_ SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

**dh drake haglan AND ASSOCIATES** 11060 White Rock Road, Suite 200 Rancho Cordova, CA 95670

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CITY OF CRESCENT CITY  
377 J Street  
Crescent City, CA 95531  
(707) 464-9000 phone  
(707) 465-4405 fax

FRONT STREET REVITALIZATION  
(A STREET TO HIGHWAY 101 SOUTH)  
PLAN AND PROFILE  
STA 7+17.86 TO STA 12+80.37

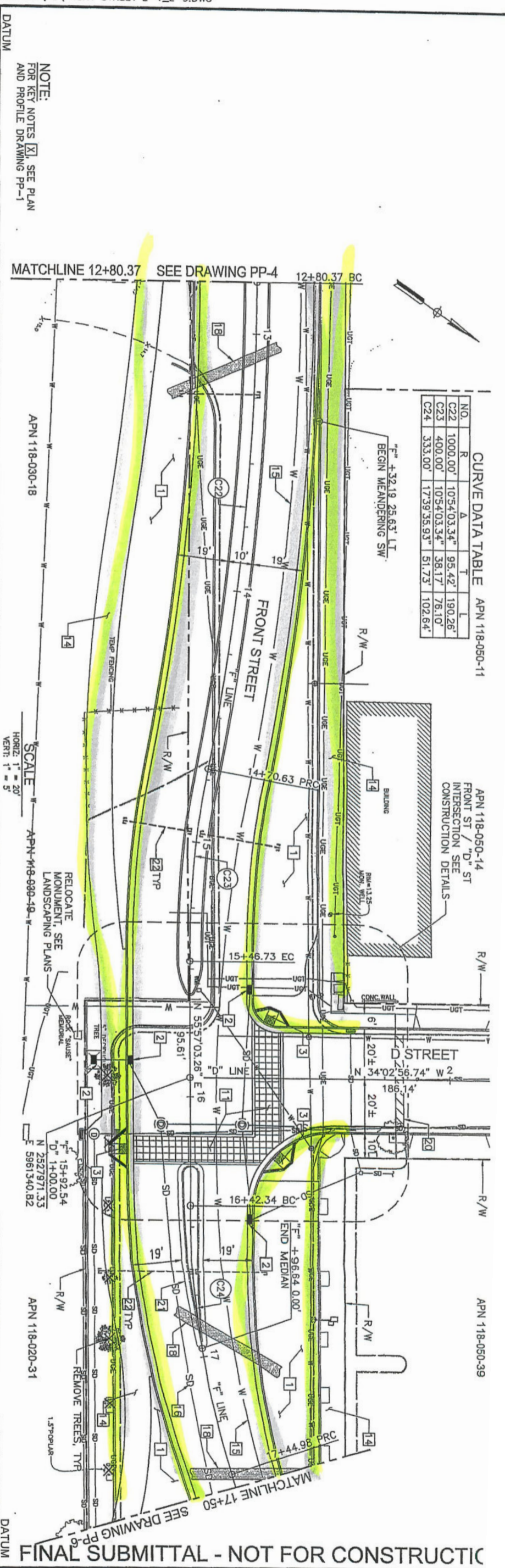
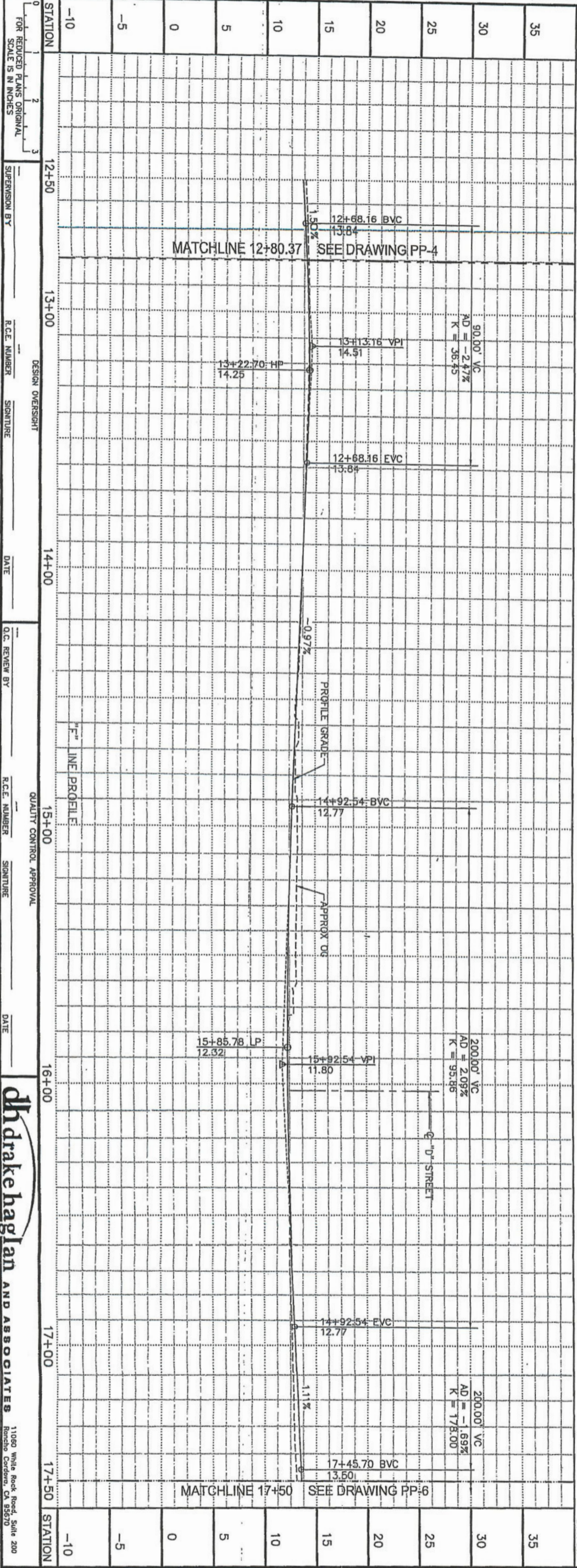


DESIGN BY	REU
DRAWN BY	REU
CHECKED BY	HEM
DATE	July 9, 2012
SCALE	AS SHOWN
JOB NO.	11009
DRAWING NUMBER	PP-4

SHEET NUMBER  
6 OF 111

PLOT BY: RICHARD PLOT DATE: \$DATE\$  
FILE NAME: \$FILEL\$





CURVE DATA TABLE APN 118-050-11

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C22	1000.00'	10°54'03.34"	95.42'	190.26'
C23	400.00'	10°54'03.34"	38.17'	76.10'
C24	333.00'	17°39'35.93"	51.73'	102.64'

**dh** drake hagian and associates  
 11060 White Rock Road, Suite 200  
 Rancho Cordova, CA 95570

DESIGN BY: MML/DCP  
 DRAWN BY: DCP  
 CHECKED BY: HEM  
 DATE: July 9, 2012  
 SCALE: AS SHOWN  
 JOB NO.: 11009  
 DRAWING NUMBER: PP-5  
 SHEET NUMBER: 7 OF 114

**FRONT STREET REVITALIZATION  
 (A STREET to HIGHWAY 101 SOUTH)  
 PLAN AND PROFILE  
 STA 12+80.37 to STA 17+50**

CITY OF CRESCENT CITY  
 377 J Street  
 Crescent City, CA 95531  
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 (707) 465-4405 fax

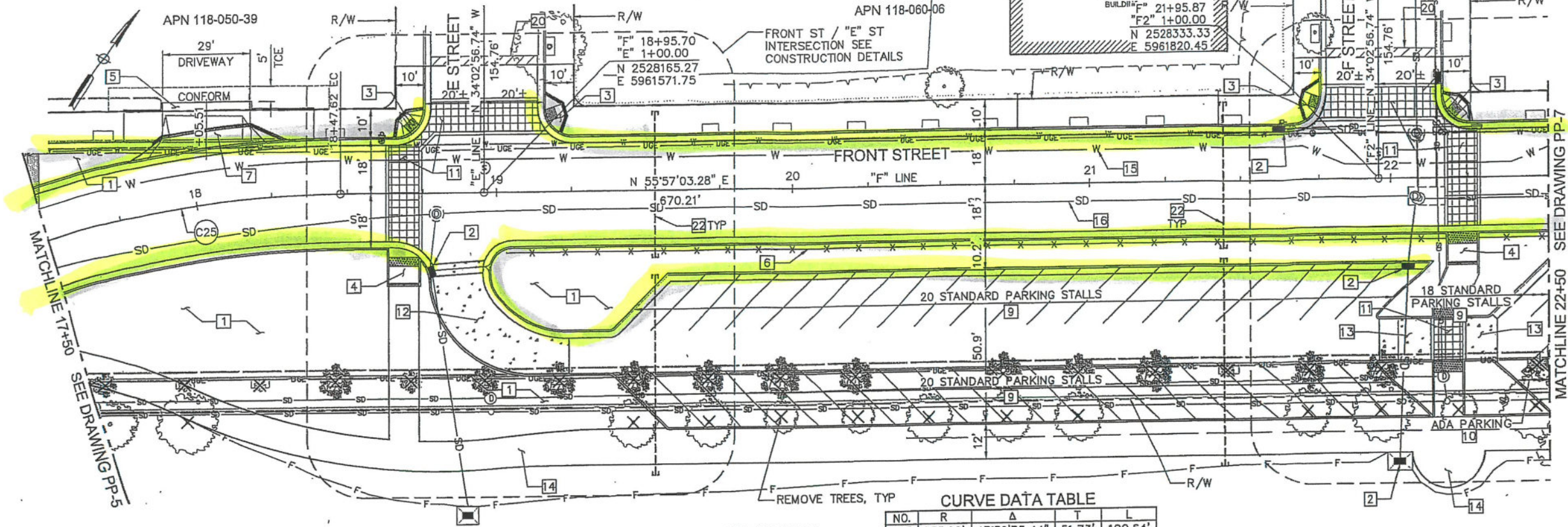


NO.	REVISION	DCP	DAT

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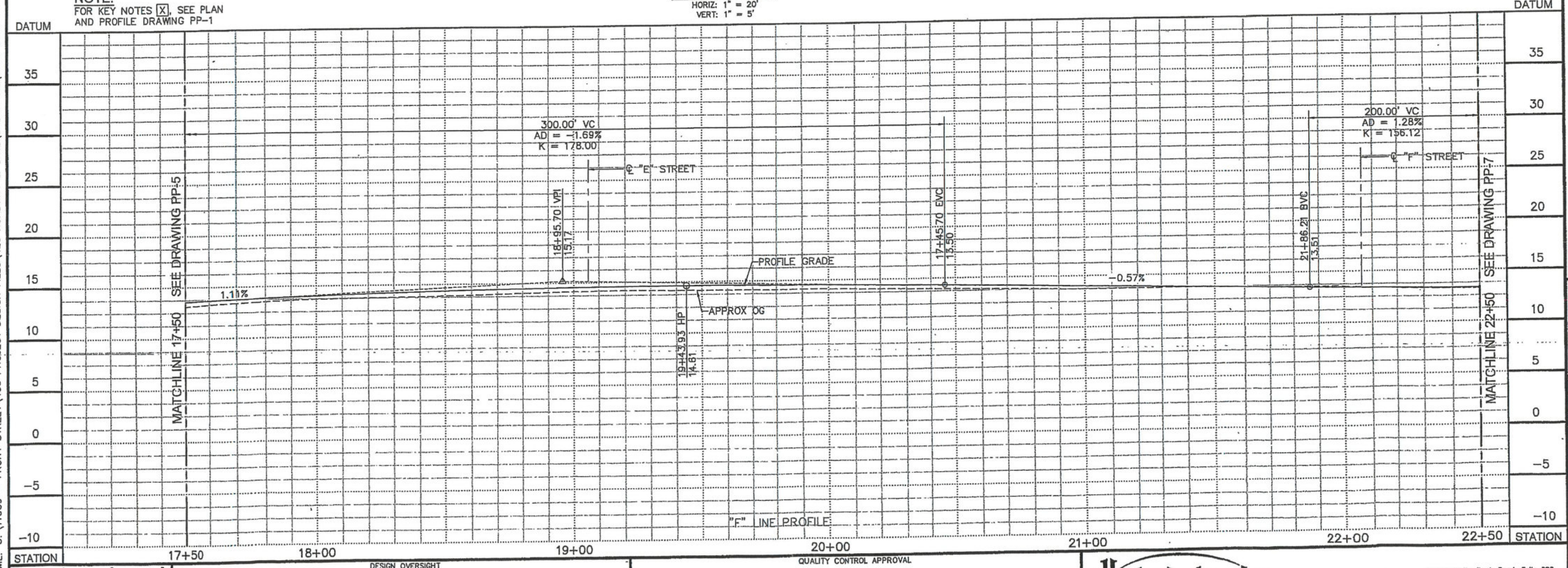
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NOTE:  
 FOR KEY NOTES [X], SEE PLAN  
 AND PROFILE DRAWING PP-1

SCALE APN 118-020-31  
 HORIZ: 1" = 20'  
 VERT: 1" = 5'

NO.	R	Δ	T	L
C25	333.00'	17°39'35.44"	51.73'	102.64'



STATION 17+50 18+00 19+00 20+00 21+00 22+00 22+50

DESIGN OVERSIGHT QUALITY CONTROL APPROVAL  
 FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES  
 SUPERVISION BY R.C.E. NUMBER SIGNATURE DATE Q.C. REVIEW BY R.C.E. NUMBER SIGNATURE DATE

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 11060 White Rock Road, Suite 200  
 Rancho Cordova, CA 95670

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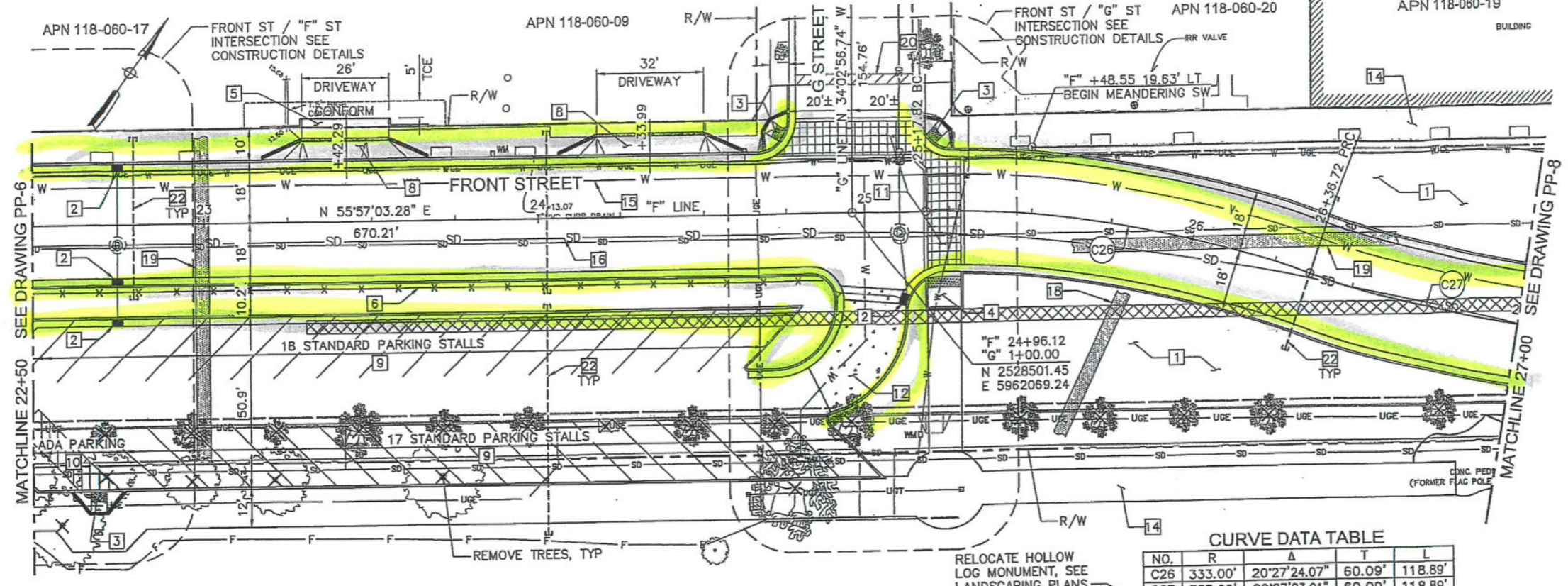
CITY OF CRESCENT CITY  
 377 J Street  
 Crescent City, CA 95531  
 (707) 464-4506 phone  
 (707) 468-4405 fax

**FRONT STREET REVITALIZATION  
 (A STREET to HIGHWAY 101 SOUTH)  
 PLAN AND PROFILE  
 STA 17+50 to STA 22+50**

DESIGN BY MML/DCP  
 DRAWN BY DCP  
 CHECKED BY HEM  
 DATE July 9, 2012  
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 JOB NO. 11009  
 DRAWING NUMBER  
**PP-6**  
 SHEET NUMBER  
 8 OF 114



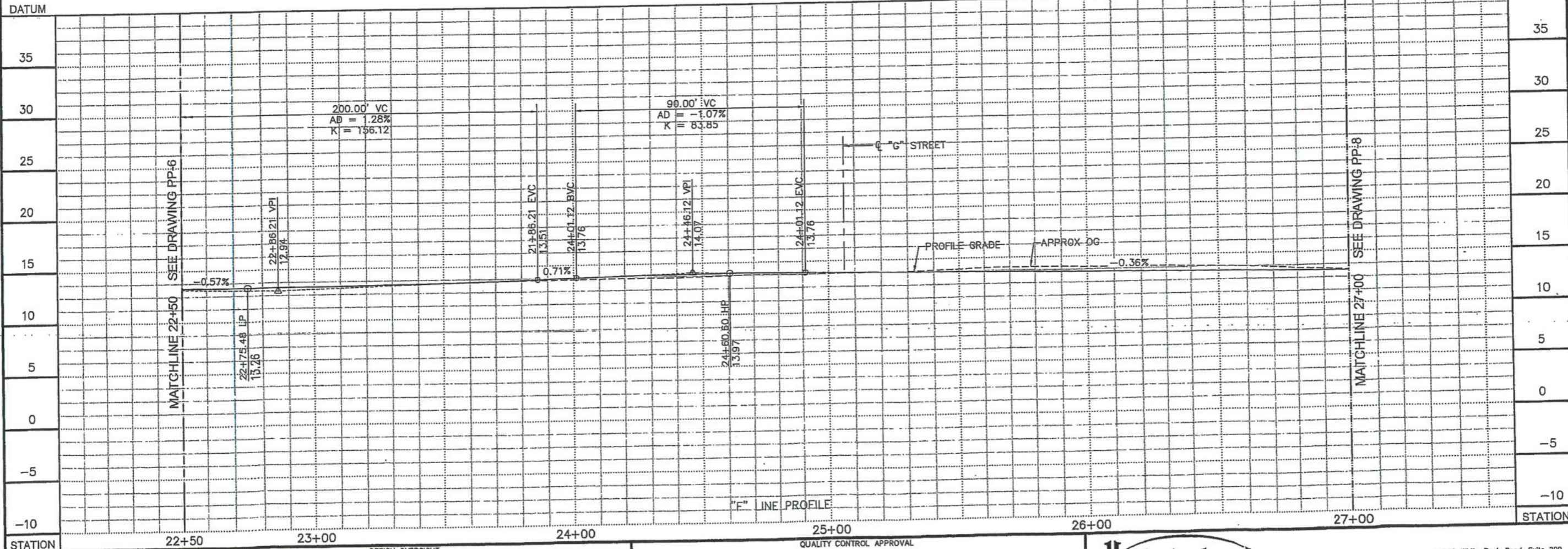
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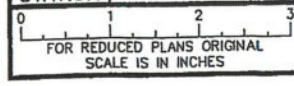
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C27	333.00'	20°27'23.91"	60.09'	118.89'

**NOTE:**  
 FOR KEY NOTES [X], SEE PLAN AND PROFILE DRAWING PP-1



STATION	22+50	23+00	24+00	25+00	26+00	27+00
DATUM						



DESIGN OVERSIGHT

SUPERVISION BY: \_\_\_\_\_ R.C.E. NUMBER: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

QUALITY CONTROL APPROVAL

Q.C. REVIEW BY: \_\_\_\_\_ R.C.E. NUMBER: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

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 11050 White Rock Road, Suite 200  
 Rancho Cordova, CA 95670

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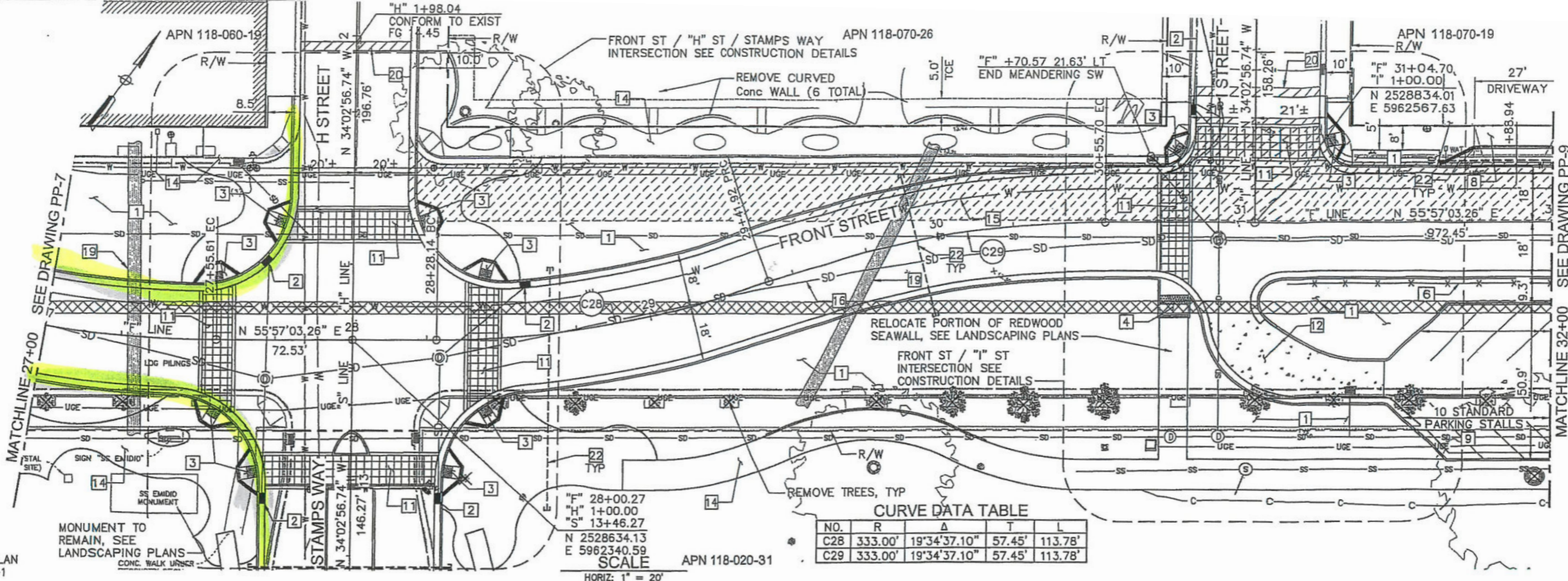
CITY OF CRESCENT CITY  
 377 J Street  
 Crescent City, CA 95531  
 (707) 464-9906 phone  
 (707) 468-4405 fax

**FRONT STREET REVITALIZATION  
 (A STREET TO HIGHWAY 101 SOUTH)  
 PLAN AND PROFILE  
 STA 22+50 TO STA 27+00**

DESIGN BY: MML/DCP  
 DRAWN BY: DCP  
 CHECKED BY: HEM  
 DATE: July 9, 2012  
 SCALE: AS SHOWN  
 JOB NO. 11009  
 DRAWING NUMBER: **PP-7**  
 SHEET NUMBER: 9 OF 114



PLOT BY: CRAIG PLOT DATE: Tuesday, July 10, 2012  
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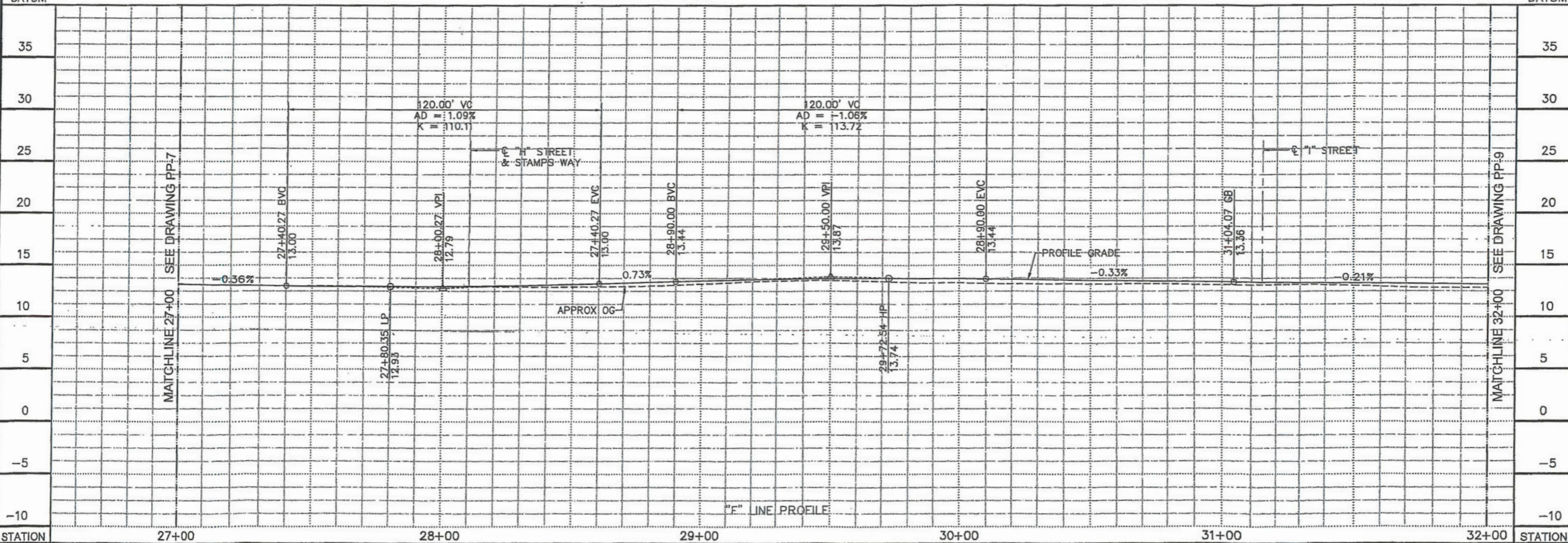
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NO.	R	Δ	T	L
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C29	333.00'	19°34'37.10"	57.45'	113.78'

**NOTE:**  
 FOR KEY NOTES [X], SEE PLAN AND PROFILE DRAWING PP-1

DATUM

HORIZ: 1" = 20'  
 VERT: 1" = 5'



STATION	27+00	28+00	29+00	30+00	31+00	32+00	STATION
35							35
30							30
25							25
20							20
15							15
10							10
5							5
0							0
-5							-5
-10							-10

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES

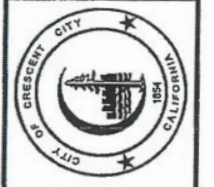
DESIGN OVERSIGHT  
 SUPERVISION BY: R.C.E. NUMBER, SIGNATURE, DATE

QUALITY CONTROL APPROVAL  
 Q.C. REVIEW BY: R.C.E. NUMBER, SIGNATURE, DATE

**dh drake haglan AND ASSOCIATES**  
 11060 White Rock Road, Suite 200  
 Rancho Cordova, CA 95670

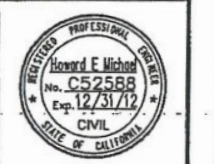
**FINAL SUBMITTAL - NOT FOR CONSTRUCTION**

NO.	REVISION	DCP DATE



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**FRONT STREET REVITALIZATION  
 (A STREET TO HIGHWAY 101 SOUTH)  
 PLAN AND PROFILE  
 STA 27+00 TO STA 32+00**



DESIGN BY: MML/DCP  
 DRAWN BY: DCP  
 CHECKED BY: HEM  
 DATE: July 9, 2012  
 SCALE: AS SHOWN  
 JOB NO.: 11009  
 DRAWING NUMBER: **PP-8**

SHEET NUMBER: 10 of 114



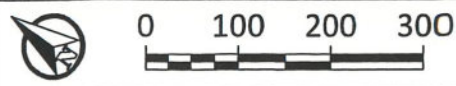
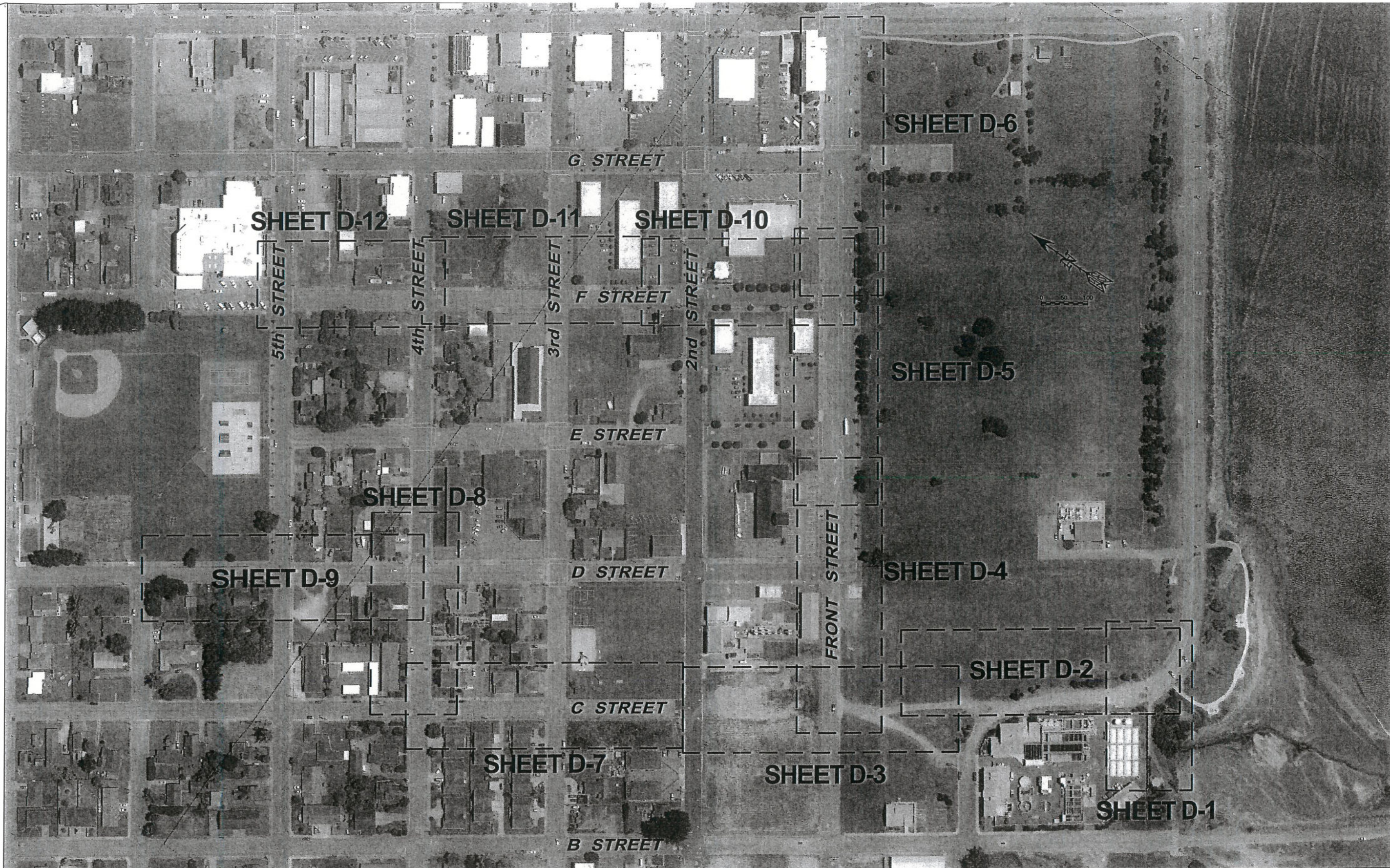


**STORM DRAIN  
 IMPROVEMENT PROJECT**

JOB NO 2017-XXX	
APPROVED BY EMW	DESIGN BY
CHECKED BY	DRAWN BY KMT
DATE AUGUST 14, 2017	
SCALE NTS	
SHEET NUMBER 1 of 1	


X





SHEET INDEX

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 CITY OF CRESCENT CITY  
 377 J Street  
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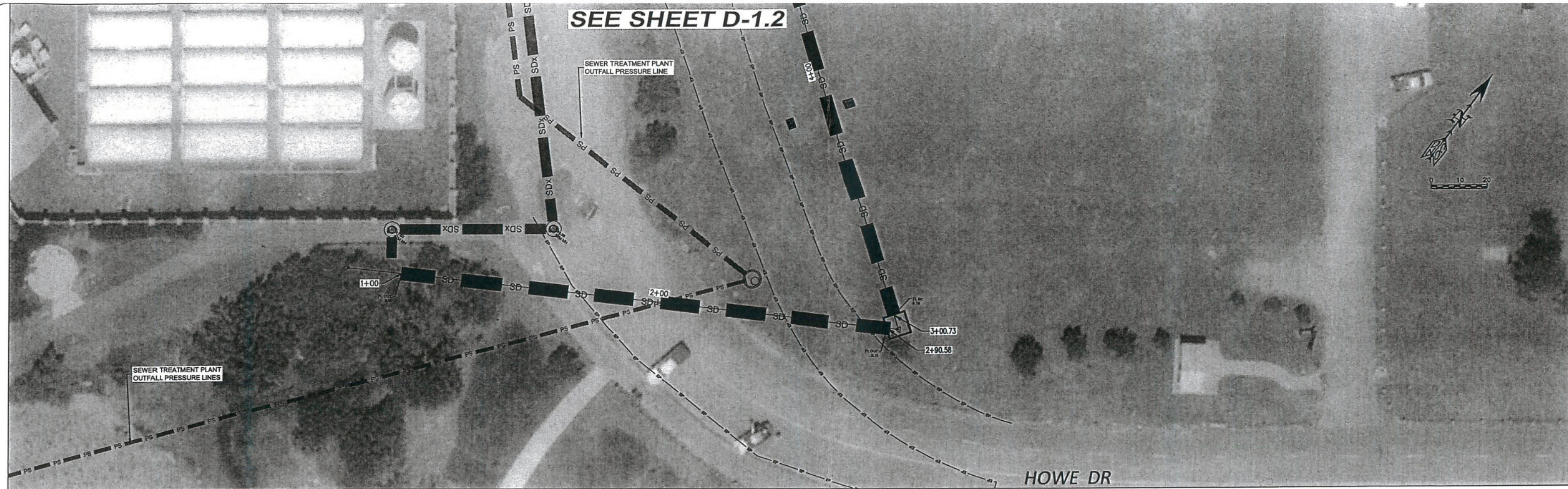
  
 REGISTERED PROFESSIONAL ENGINEER  
 ERIC MATTHEW WIER  
 No. C70142  
 Exp. 9-30-16  
 CIVIL  
 STATE OF CALIFORNIA

# C Street Storm Sewer Rehabilitation Project

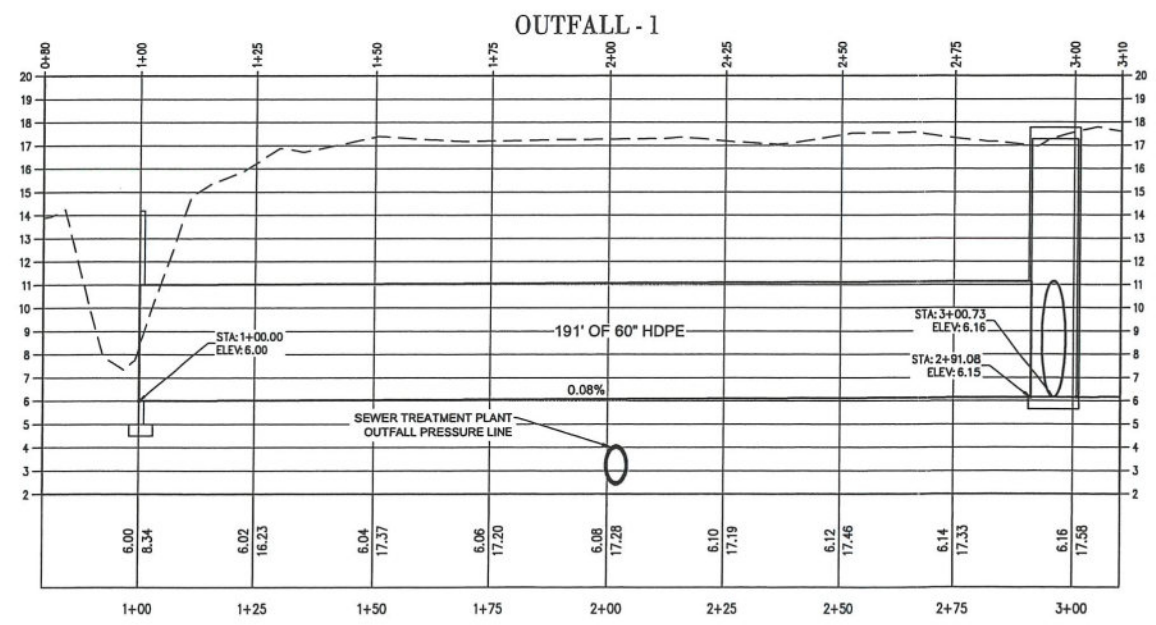
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DRAWN BY	EL
CHECKED BY	EWIER
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SHEET NUMBER	1 of 10
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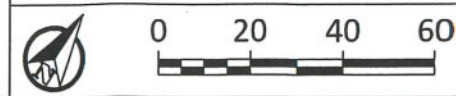
SEE SHEET D-1.2



CITY OF CRESCENT CITY  
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OUTFALL



**PRELIMINARY  
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 CONSTRUCTION**

**C Street Storm Sewer  
 Rehabilitation Project**

JOB NO  
 2017-???

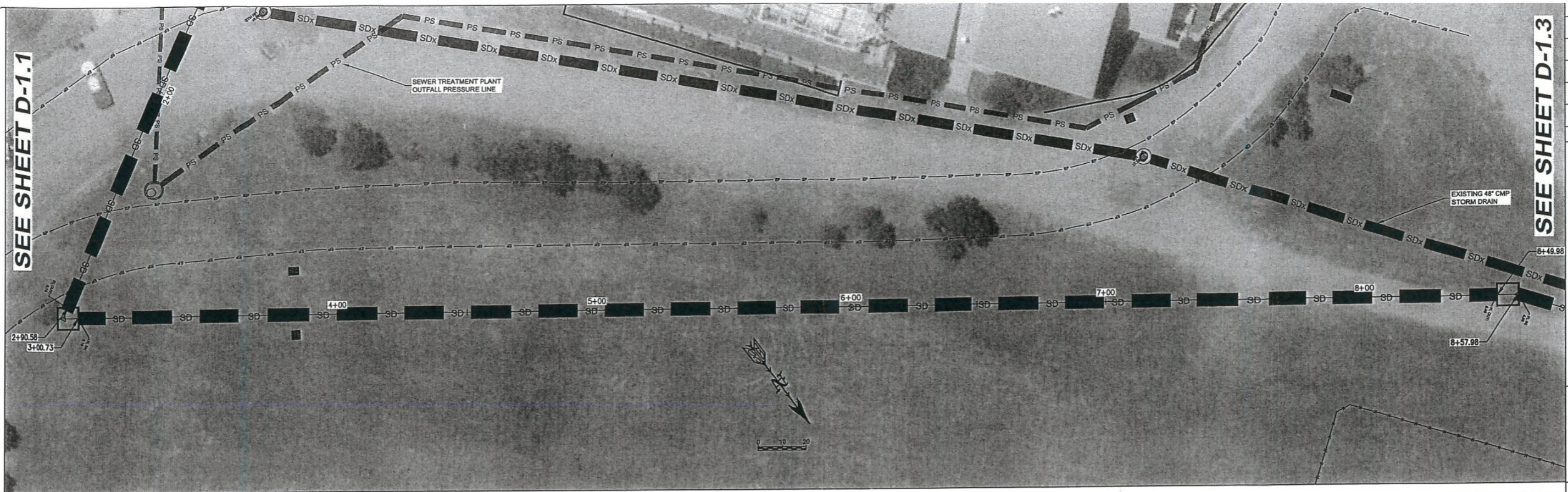
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CHECKED BY EWIER	
DATE 11 OCT 2017	
SCALE 1"=20'	
SHEET NUMBER 2 of 10	

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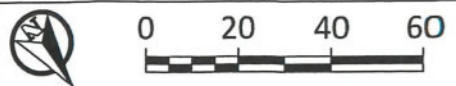
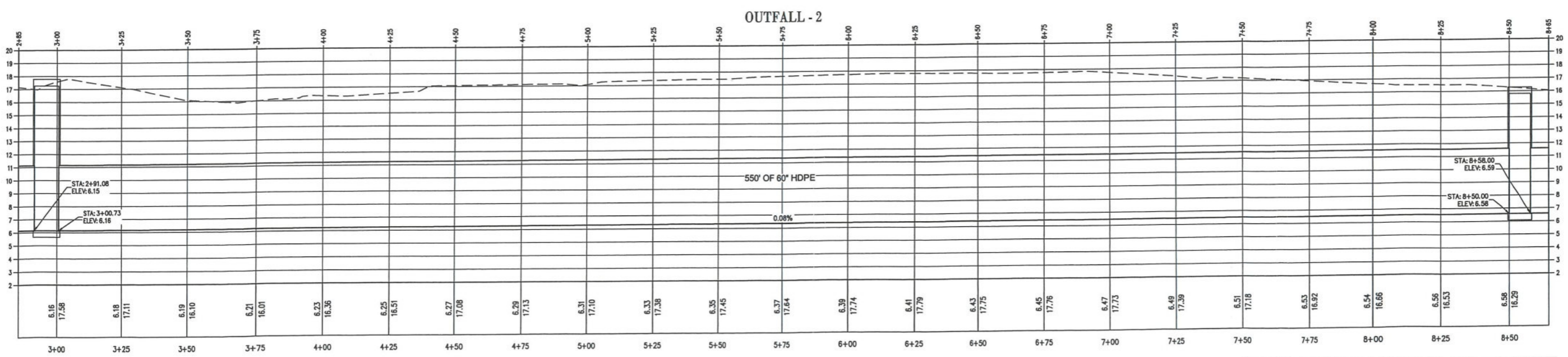


SEE SHEET D-1.1

SEE SHEET D-1.3



CITY OF CRESCENT CITY  
377 J Street  
Crescent City, CA 95531  
(707) 464-9506 phone  
(707) 465-4405 fax



HOWE DRIVE

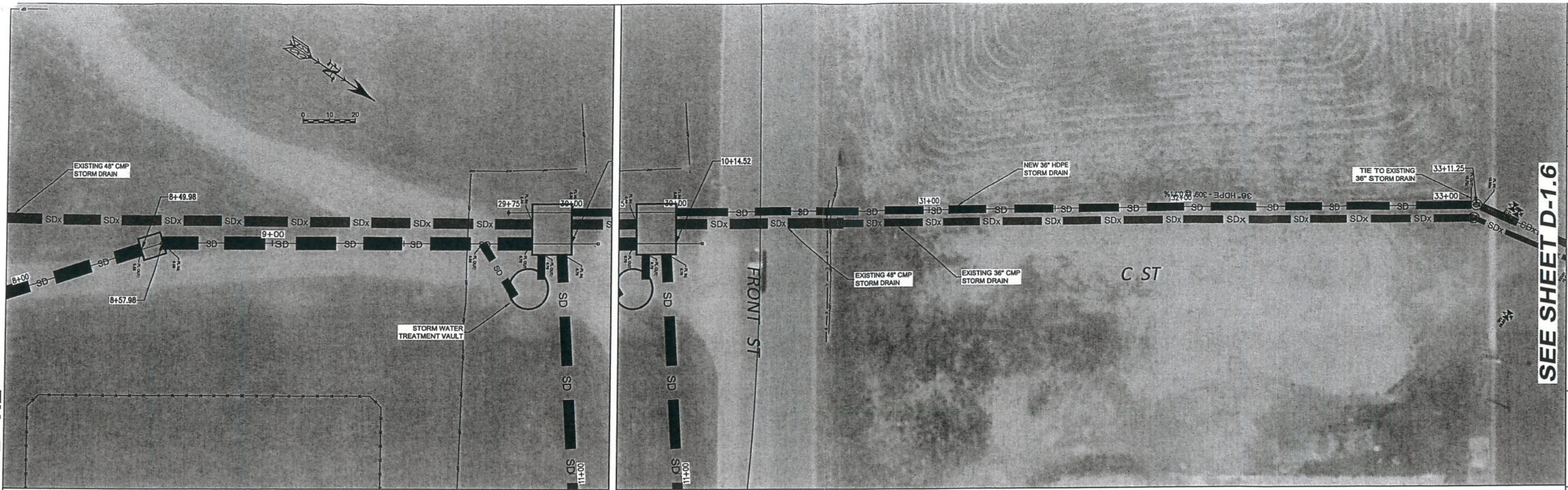
**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

**C Street Storm Sewer  
Rehabilitation Project**

JOB NO 2017-???	
DESIGN BY MYOUNG	DRAWN BY EL
CHECKED BY EWIER	
DATE 11 OCT 2017	
SCALE 1"=20'	
SHEET NUMBER 3 of 10	
D-1.2	



SEE SHEET D-1.2

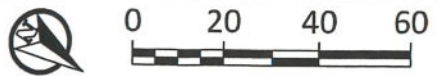
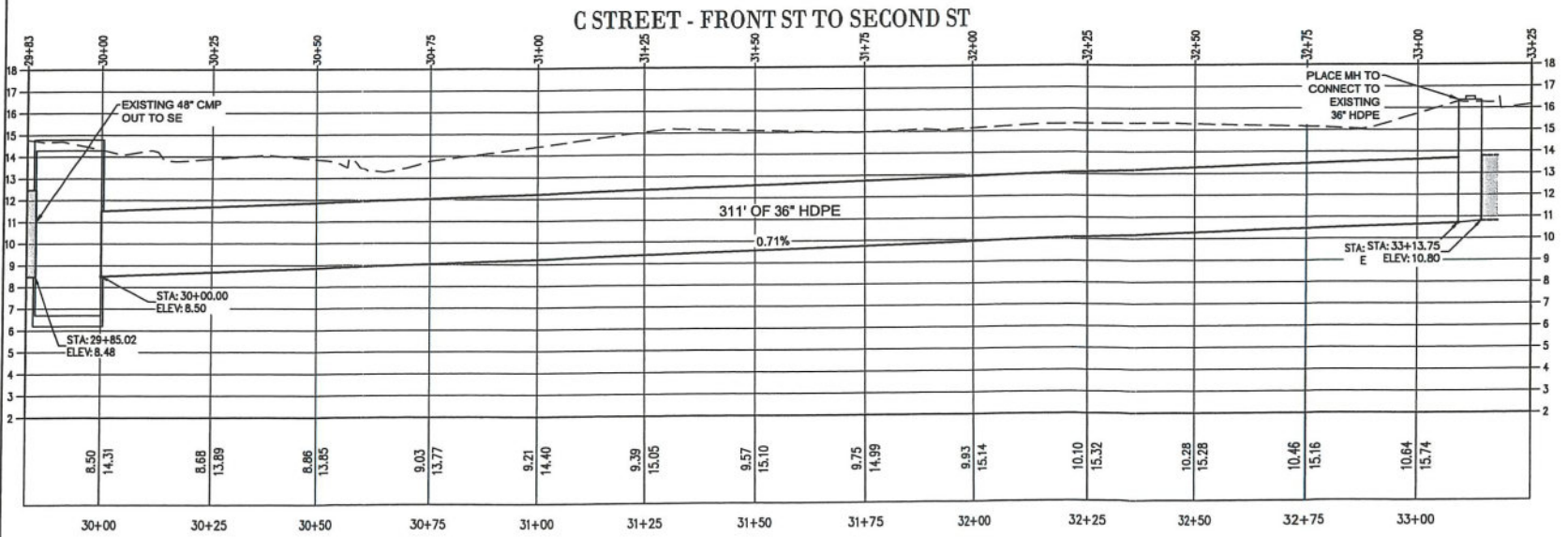
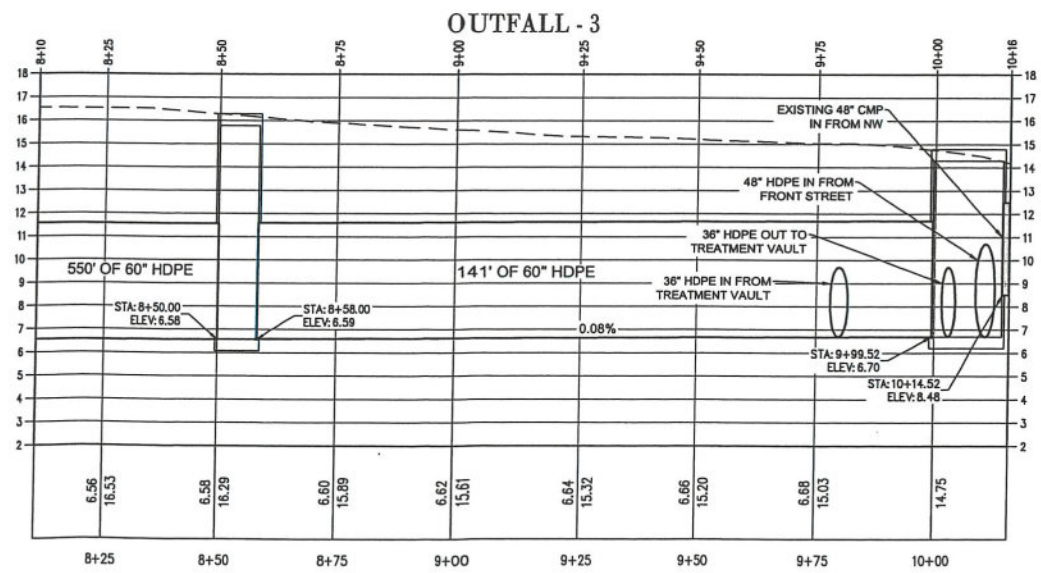


SEE SHEET D-1.6

CITY OF CRESCENT CITY  
 377 J Street  
 Crescent City, CA 95531  
 (707) 464-9506 phone  
 (707) 465-4405 fax

REGISTERED PROFESSIONAL ENGINEER  
 ERIC MATTHEW WIER  
 No. C70142  
 Exp. 9-30-16  
 CIVIL  
 STATE OF CALIFORNIA

SEE SHEET D-1.2



OUTFALL

C STREET - FRONT ST. TO 2ND ST.

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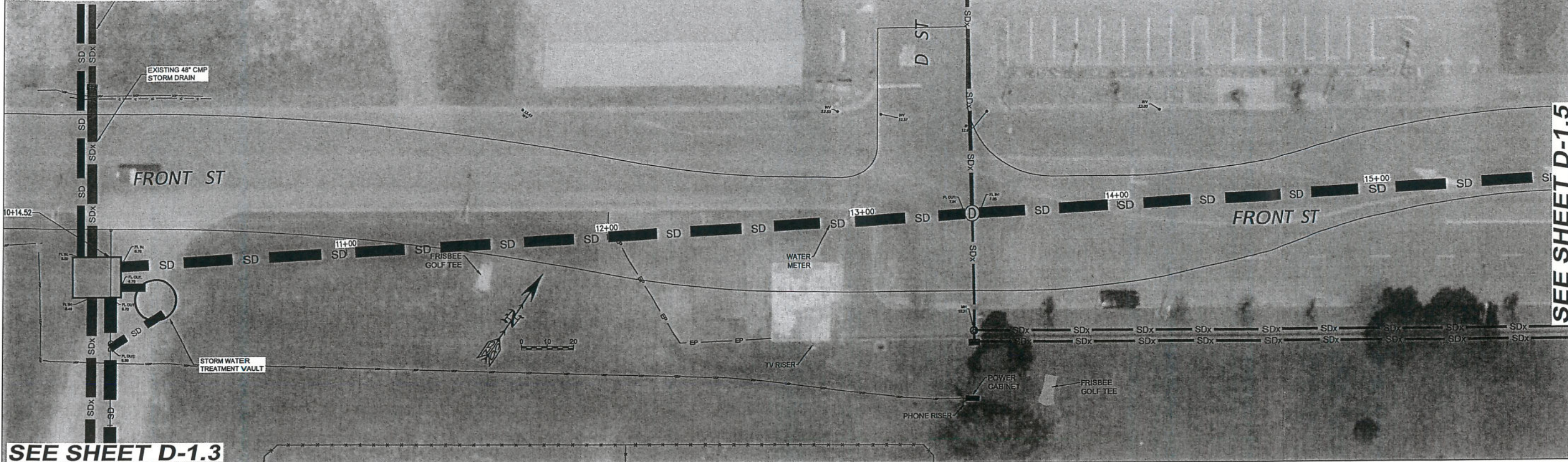
**C Street Storm Sewer  
 Rehabilitation Project**

JOB NO 2017-???	
DESIGN BY MYOUNG	DRAWN BY EL
CHECKED BY EWIER	
DATE 11 OCT 2017	
SCALE 1"=20'	
SHEET NUMBER 4 of 10	

D-1.3



SEE SHEET D-1.3

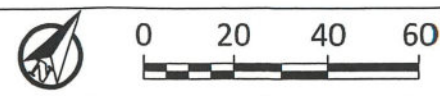
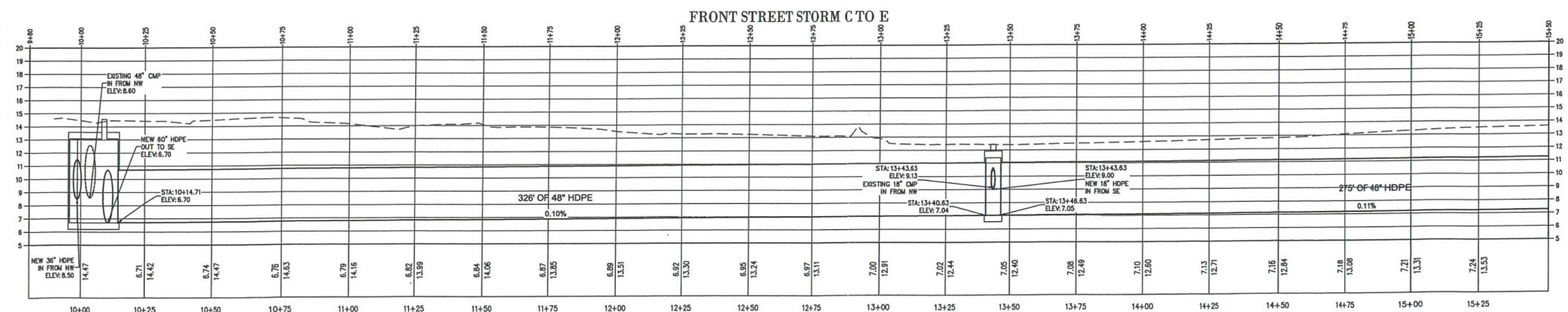


SEE SHEET D-1.3

SEE SHEET D-1.5



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 Crescent City, CA 95531  
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 (707) 465-4405 fax



FRONT STREET

**PRELIMINARY  
 NOT FOR  
 CONSTRUCTION**

**C Street Storm Sewer  
 Rehabilitation Project**

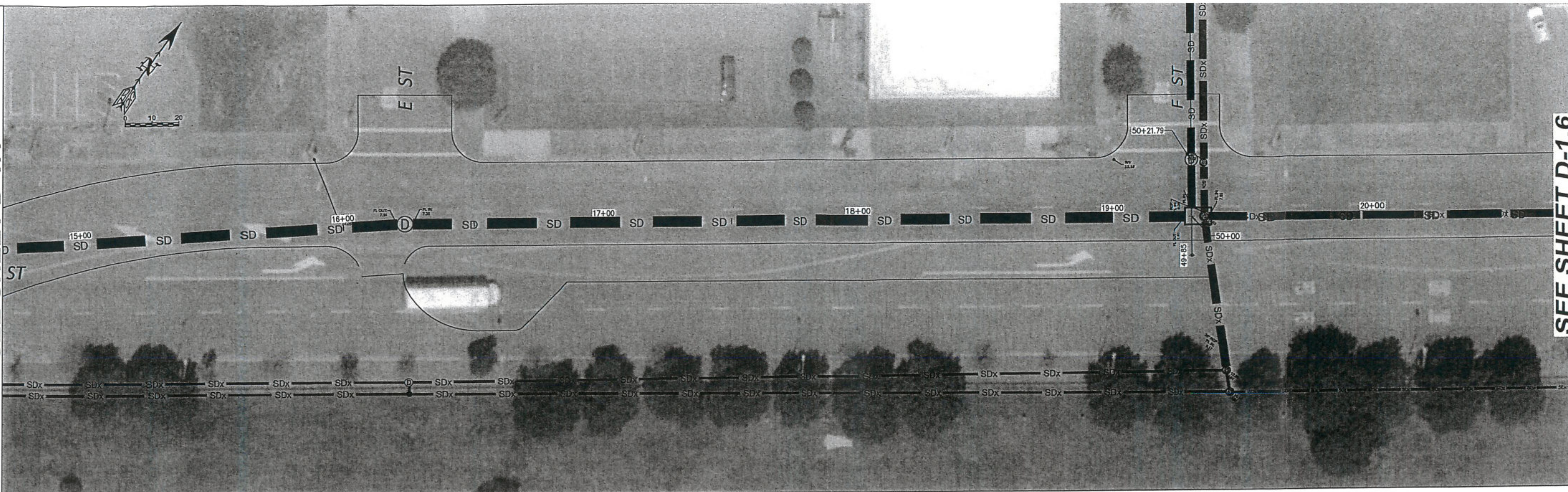
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DESIGN BY MYOUNG	DRAWN BY EL
CHECKED BY EWIER	
DATE 11 OCT 2017	
SCALE 1"=20'	
SHEET NUMBER 5 of 10	

D-1.4



SEE SHEET D-1.4

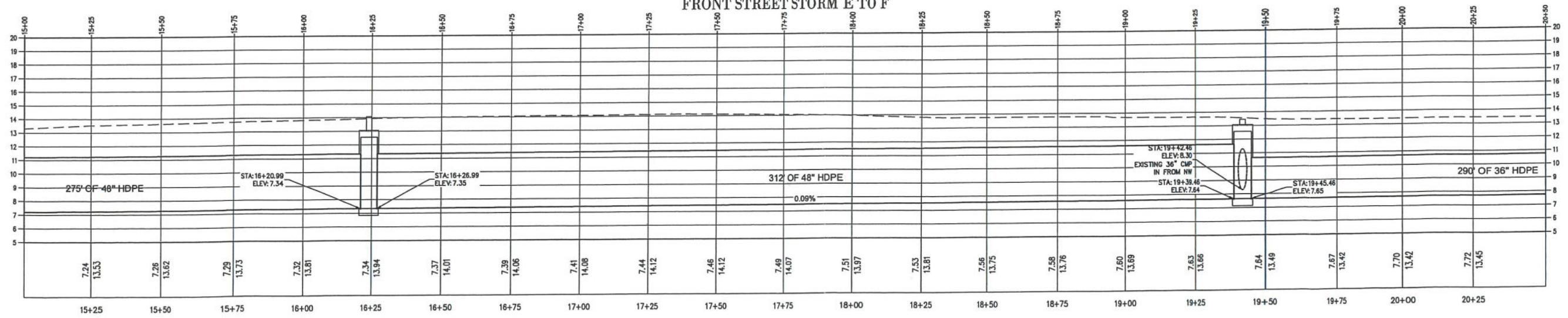
SEE SHEET D-1.6



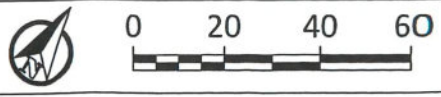
CITY OF CRESCENT CITY  
 377 J Street  
 Crescent City, CA 95531  
 (707) 464-9506 phone  
 (707) 465-4405 fax



FRONT STREET STORM E TO F



FRONT STREET



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 CONSTRUCTION**

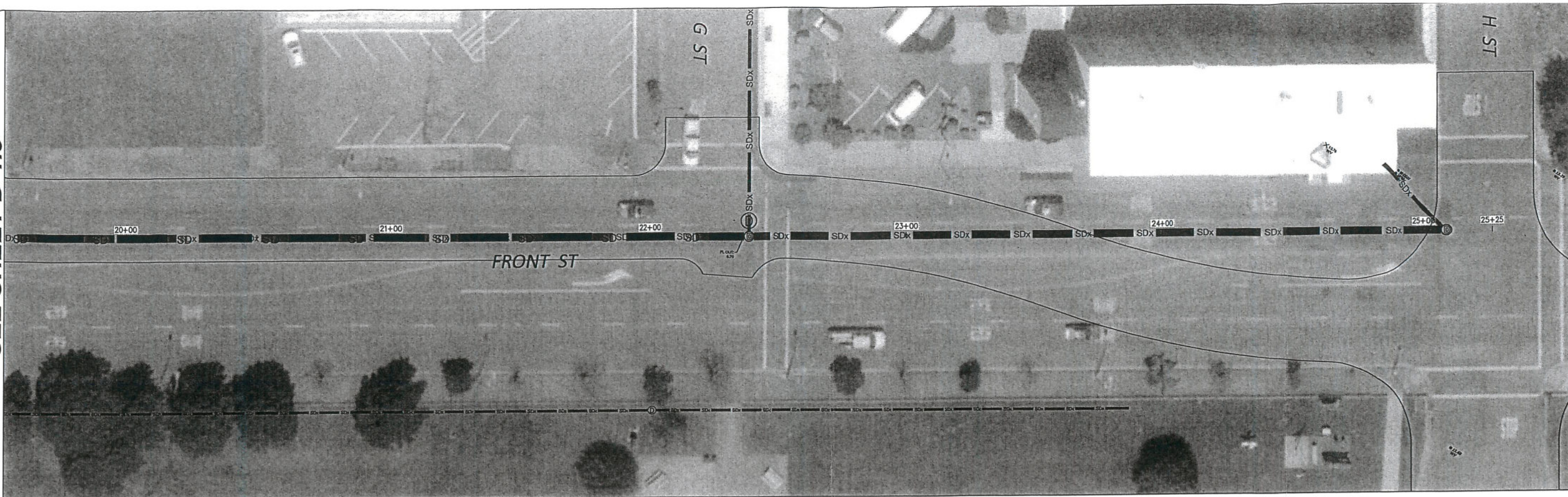
**C Street Storm Sewer  
 Rehabilitation Project**

JOB NO	2017-???
DESIGN BY	MYOUNG
DRAWN BY	EL
CHECKED BY	EWIER
DATE	11 OCT 2017
SCALE	1"=20'
SHEET NUMBER	6 of 10

D-1.5



SEE SHEET D-1.5



CITY OF CRESCENT CITY  
 377 J Street  
 Crescent City, CA 95531  
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# C Street Storm Sewer Rehabilitation Project

JOB NO  
 2017-???

DESIGN BY MYOUNG      DRAWN BY EL

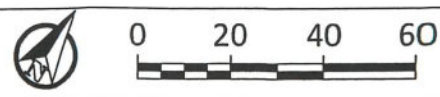
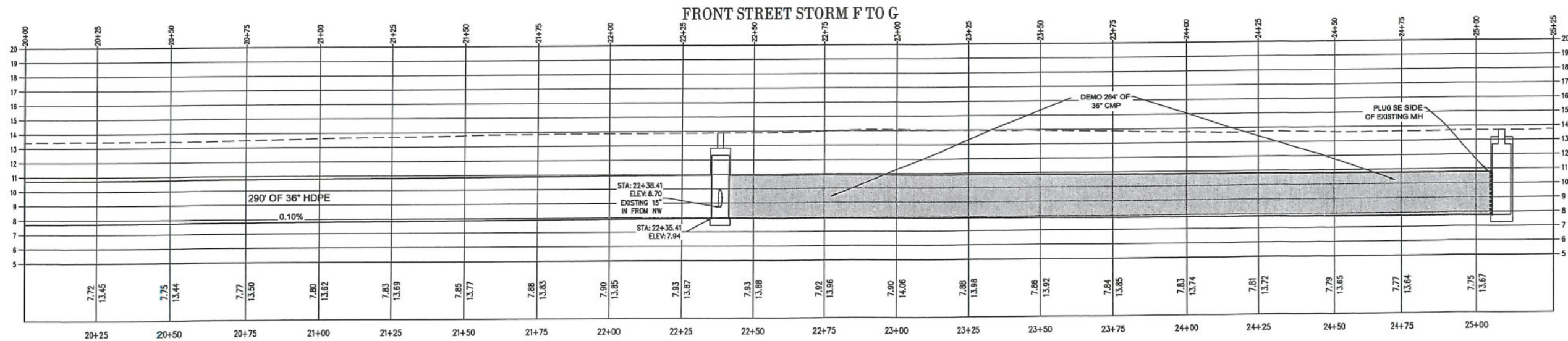
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DATE 11 OCT 2017

SCALE 1"=20'

SHEET NUMBER 7 of 10

D-1.6

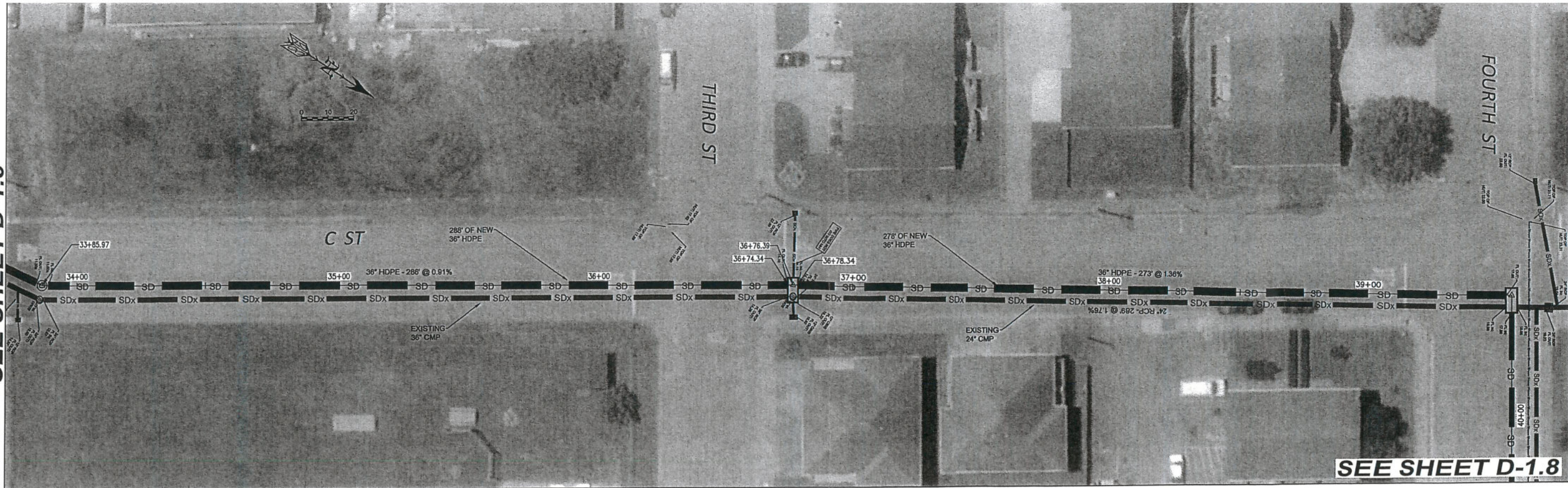


FRONT STREET

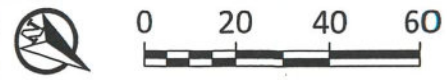
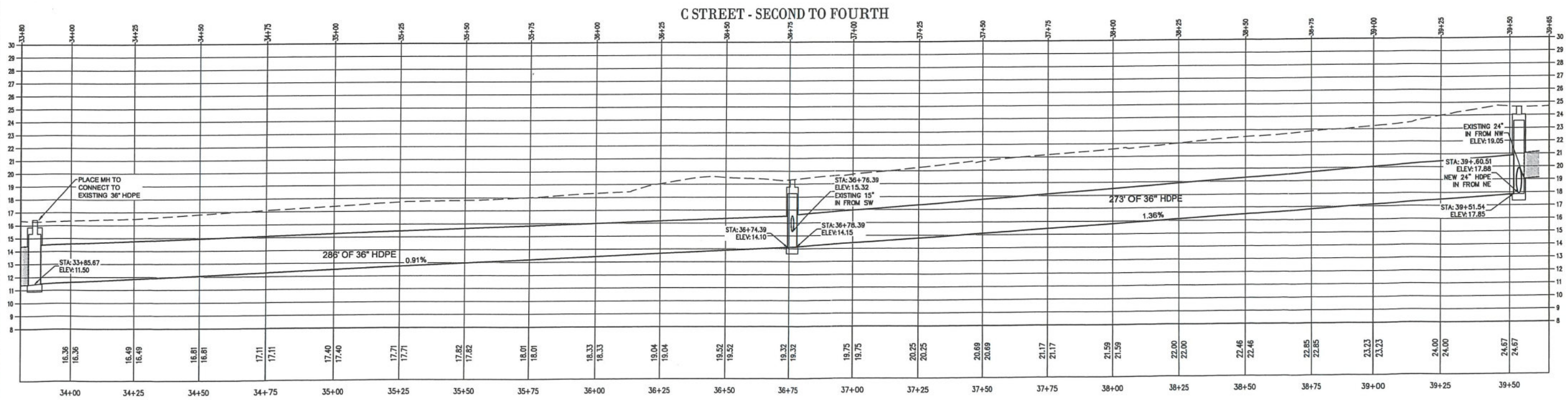
**PRELIMINARY  
 NOT FOR  
 CONSTRUCTION**



SEE SHEET D-1.6



SEE SHEET D-1.8



C STREET - SECOND ST. TO FOURTH ST.

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NOT FOR  
CONSTRUCTION**



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Crescent City, CA 95531  
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(707) 465-4405 fax

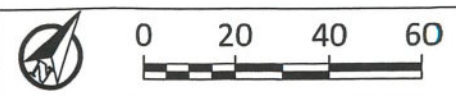
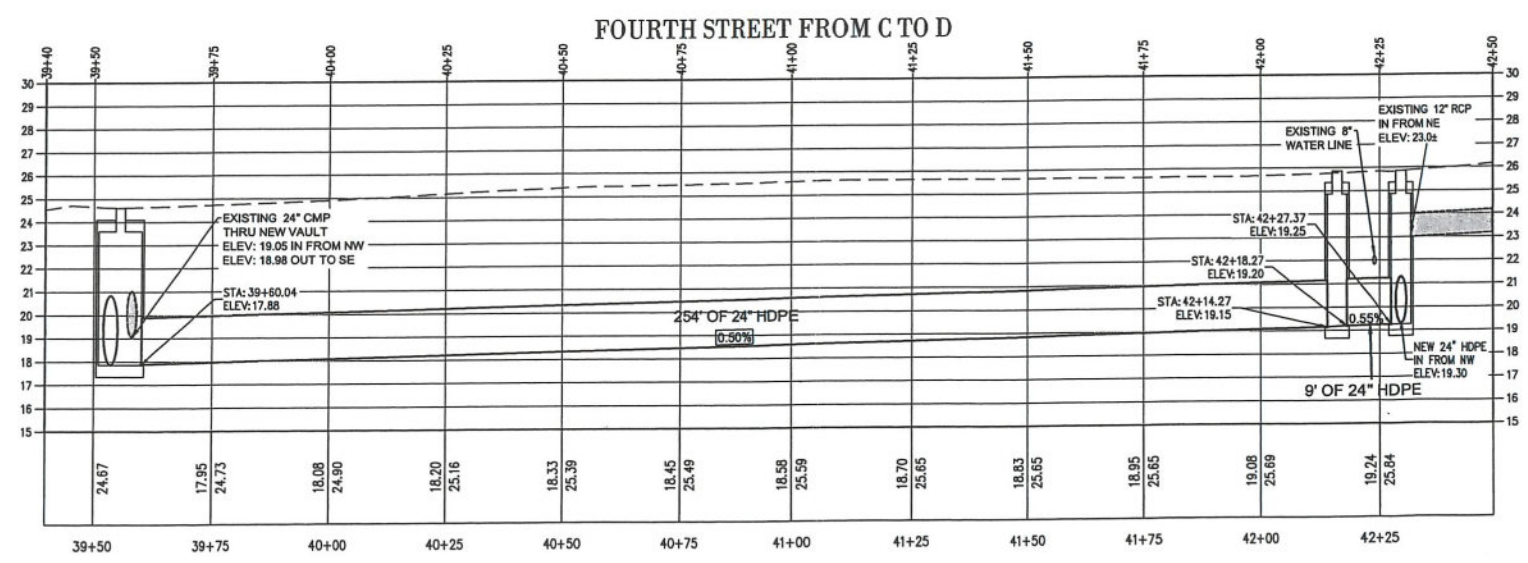
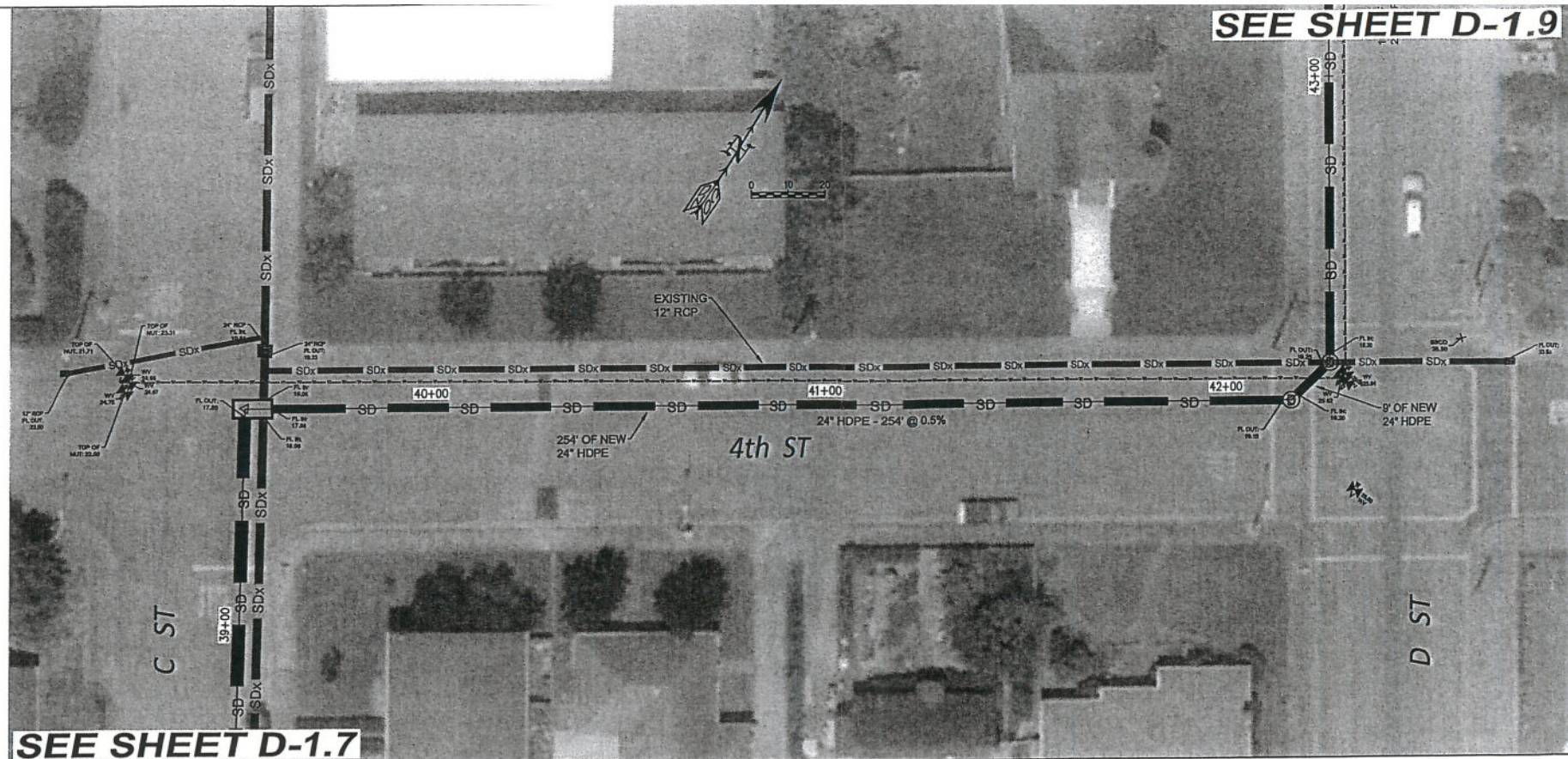


**C Street Storm Sewer  
Rehabilitation Project**

JOB NO 2017-???	
DESIGN BY MYOUNG	DRAWN BY EL
CHECKED BY EWIER	
DATE 11 OCT 2017	
SCALE 1"=20'	
SHEET NUMBER 4 of 10	

D-1.7



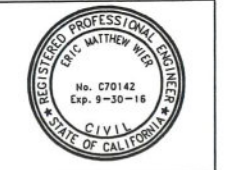


FOURTH STREET - FROM C ST. TO D ST.

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**




CITY OF CRESCENT CITY  
377 J Street  
Crescent City, CA 95531  
(707) 464-9506 phone  
(707) 465-4405 fax



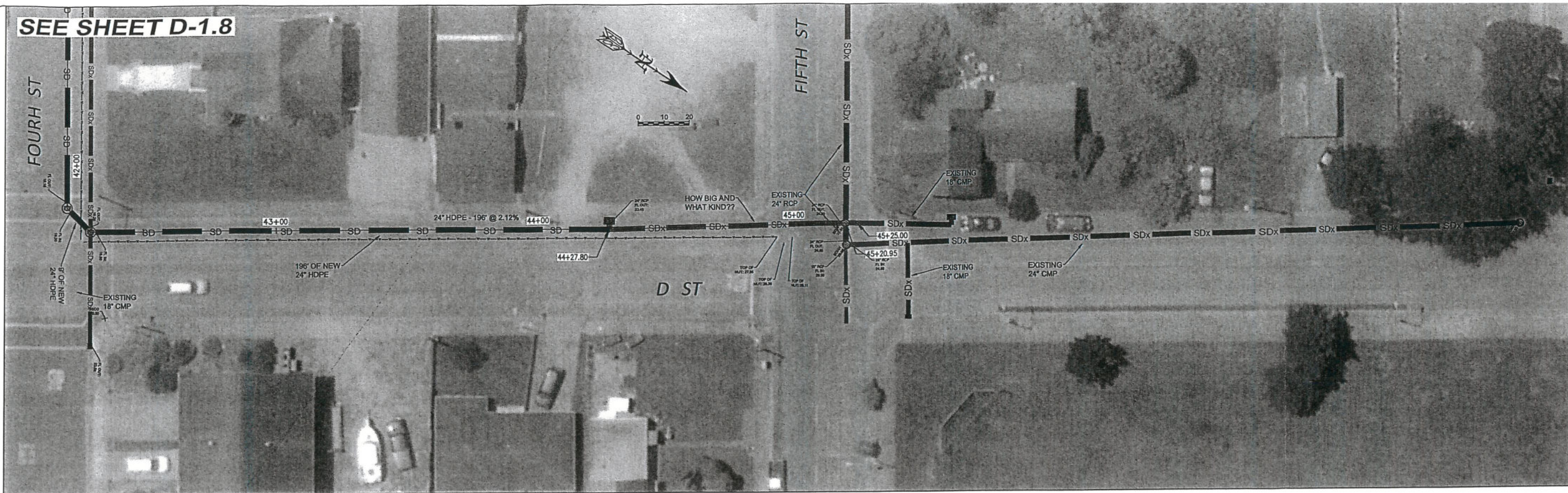
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DRAWN BY	EL
CHECKED BY	EWIER
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SHEET NUMBER	5 of 10

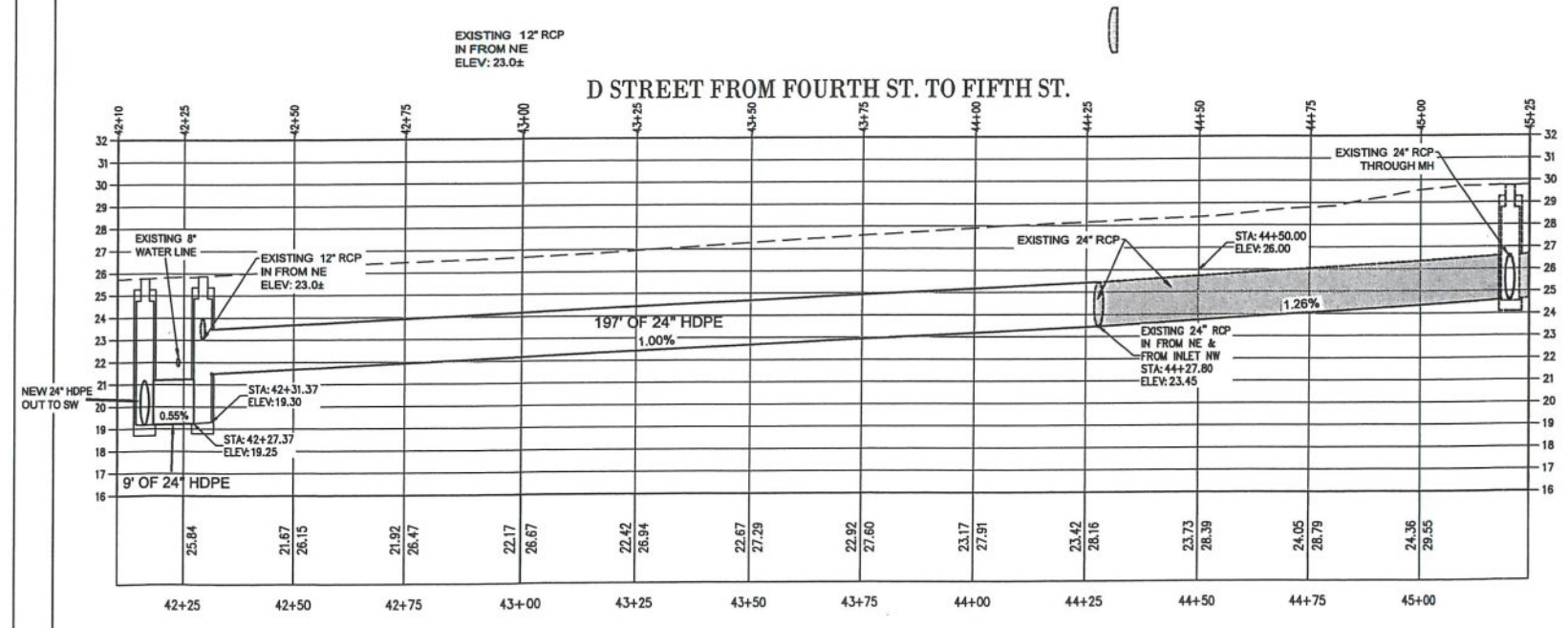
D-1.8



SEE SHEET D-1.8



CITY OF CRESCENT CITY  
 377 J Street  
 Crescent City, CA 95531  
 (707) 464-9506 phone  
 (707) 465-4405 fax



# C Street Storm Sewer Rehabilitation Project

JOB NO  
 2017-???

DESIGN BY  
 MYOUNG

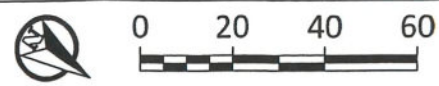
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 EL

CHECKED BY  
 EWIER

DATE  
 11 OCT 2017

SCALE  
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SHEET NUMBER  
 5 of 10



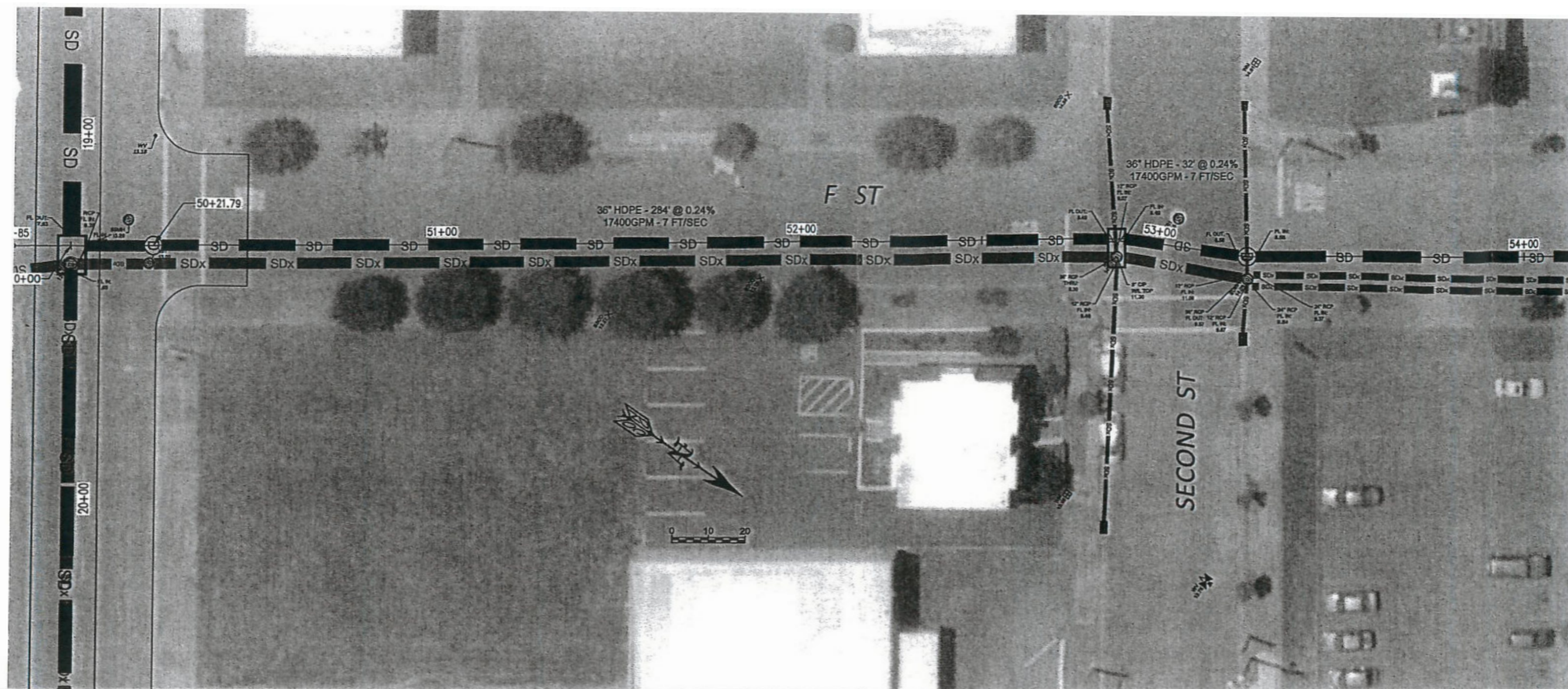
D STREET - FROM FOURTH TO FIFTH

**PRELIMINARY  
 NOT FOR  
 CONSTRUCTION**

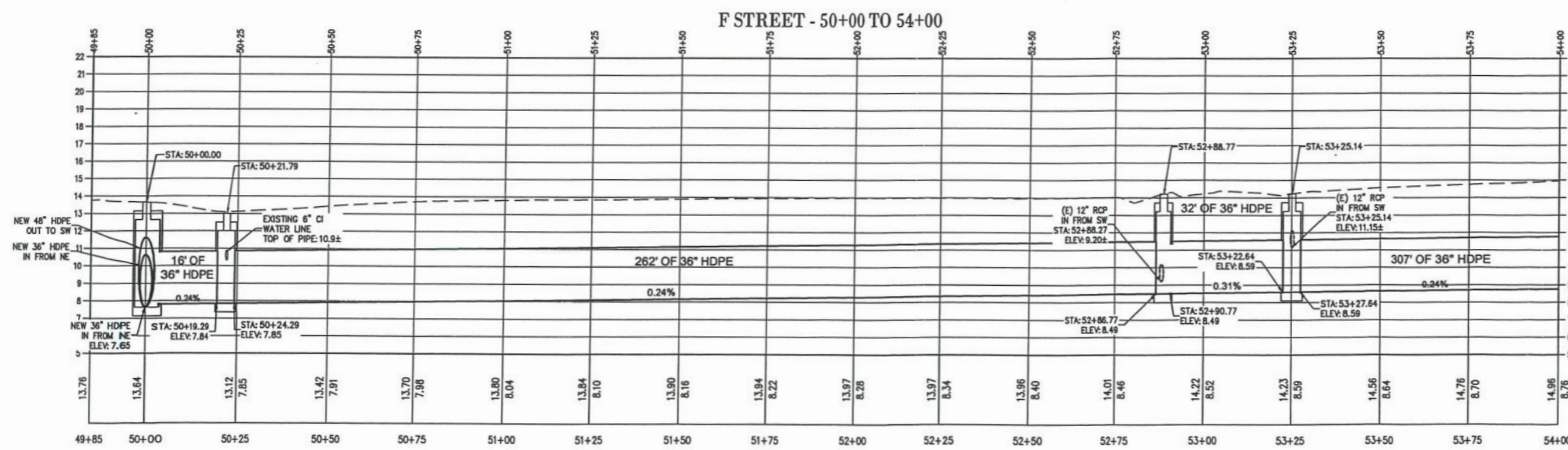
D-1.9



SEE SHEET D-1.5



SEE SHEET D-1.11



F STREET - FROM FRONT TO SECOND (50+00 TO 54+00)

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**




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377 J Street  
Crescent City, CA 95531  
(707) 464-9506 phone  
(707) 465-4405 fax



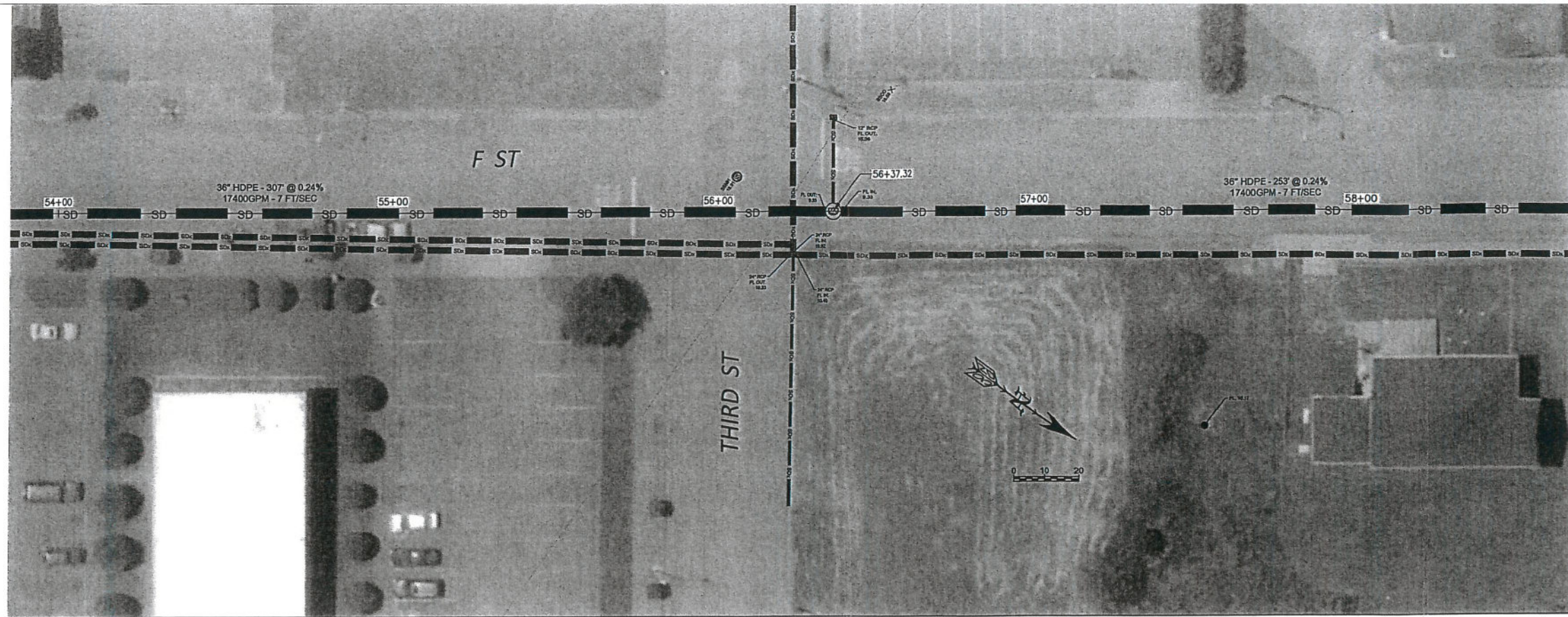
**C Street Storm Sewer  
Rehabilitation Project**

JOB NO	2017-???
DESIGN BY	MYOUNG
DRAWN BY	EL
CHECKED BY	EWIER
DATE	11 OCT 2017
SCALE	1"=20'
SHEET NUMBER	5 of 10

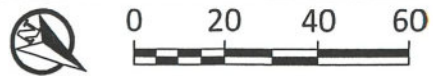
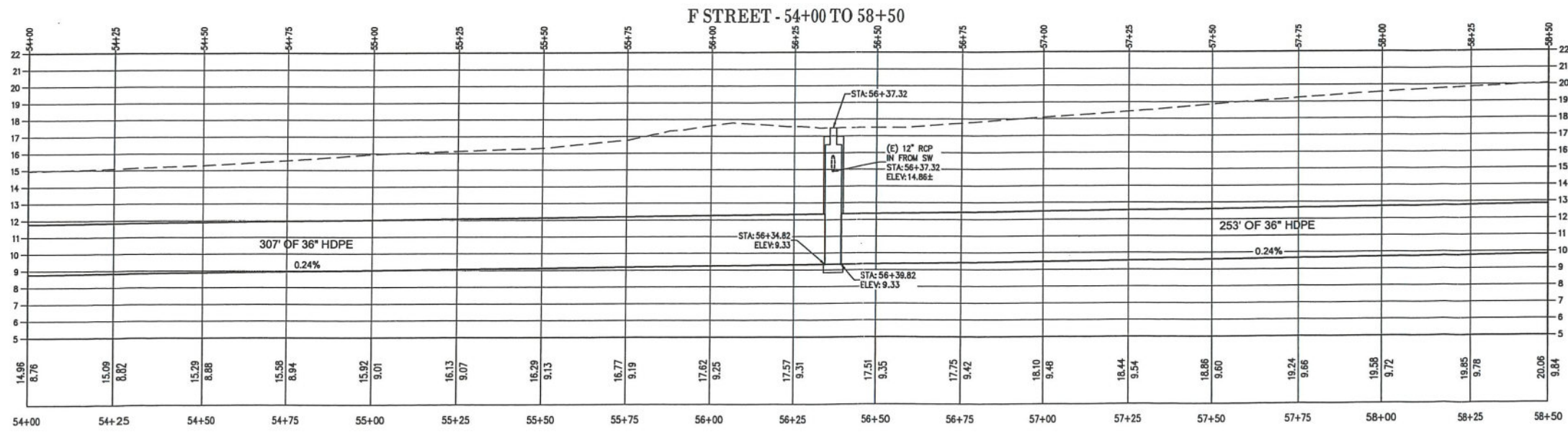
D-1.10



SEE SHEET D-1.10



SEE SHEET D-1.12



F STREET - FROM 54+00 TO 58+50 (THROUGH THIRD STREET INTERSECTION)

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**



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377 J Street  
Crescent City, CA 95531  
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(707) 465-4405 fax



**C Street Storm Sewer  
Rehabilitation Project**

JOB NO  
2017-???

DESIGN BY MYOUNG    DRAWN BY EL

CHECKED BY EWIER

DATE  
11 OCT 2017

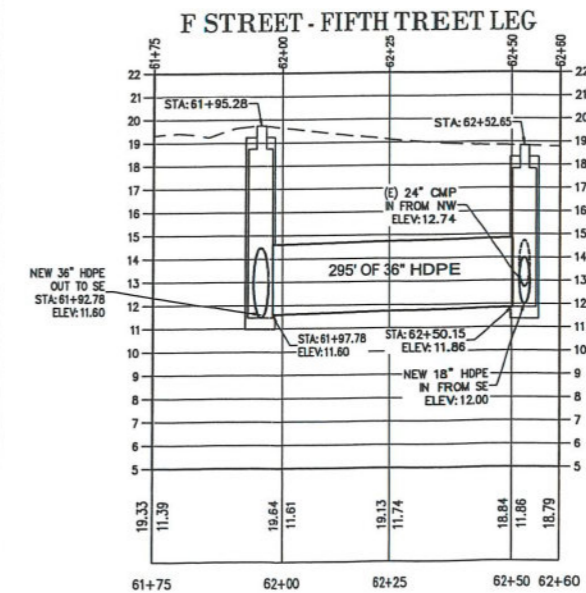
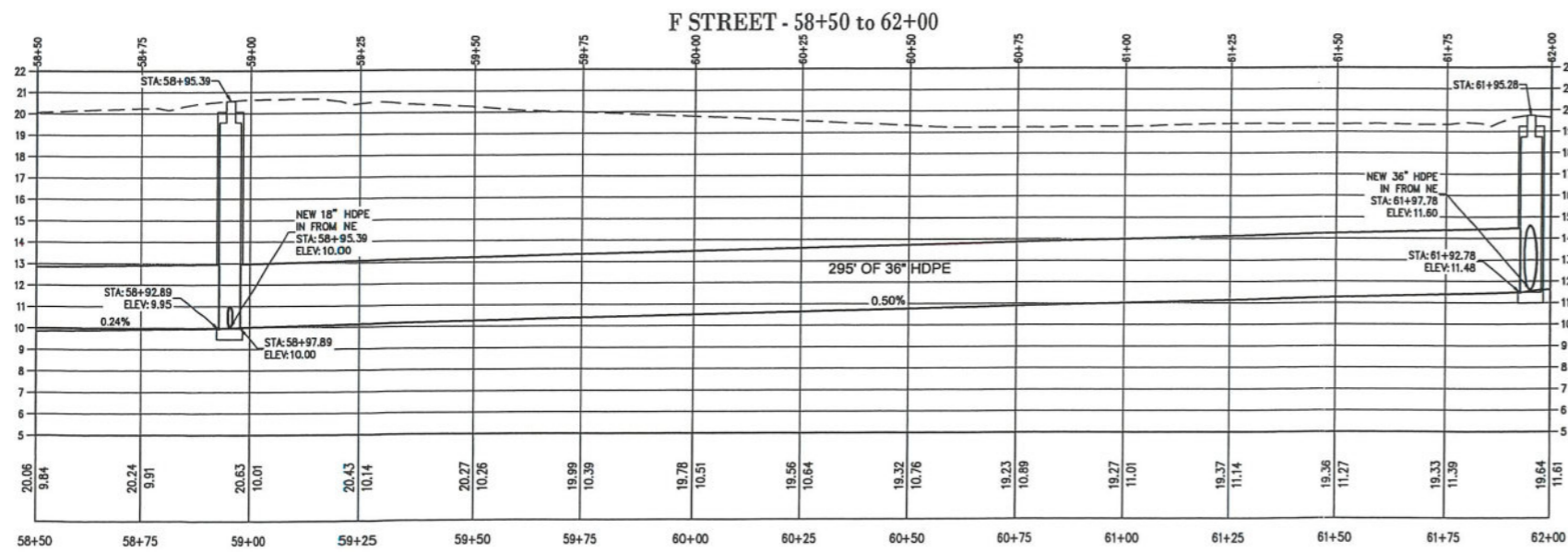
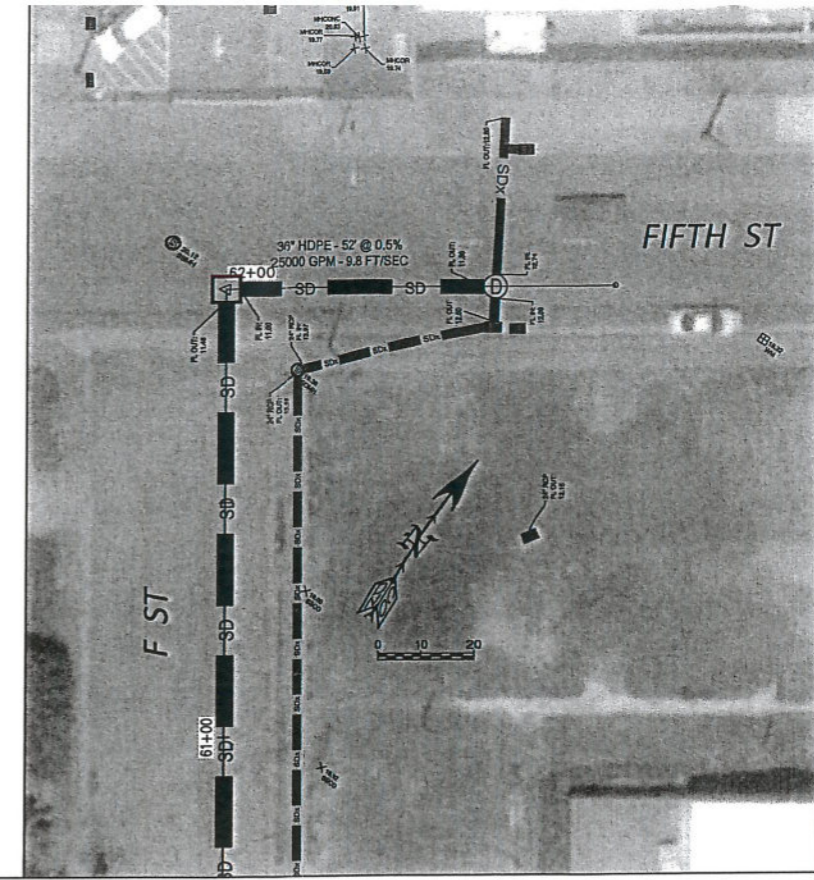
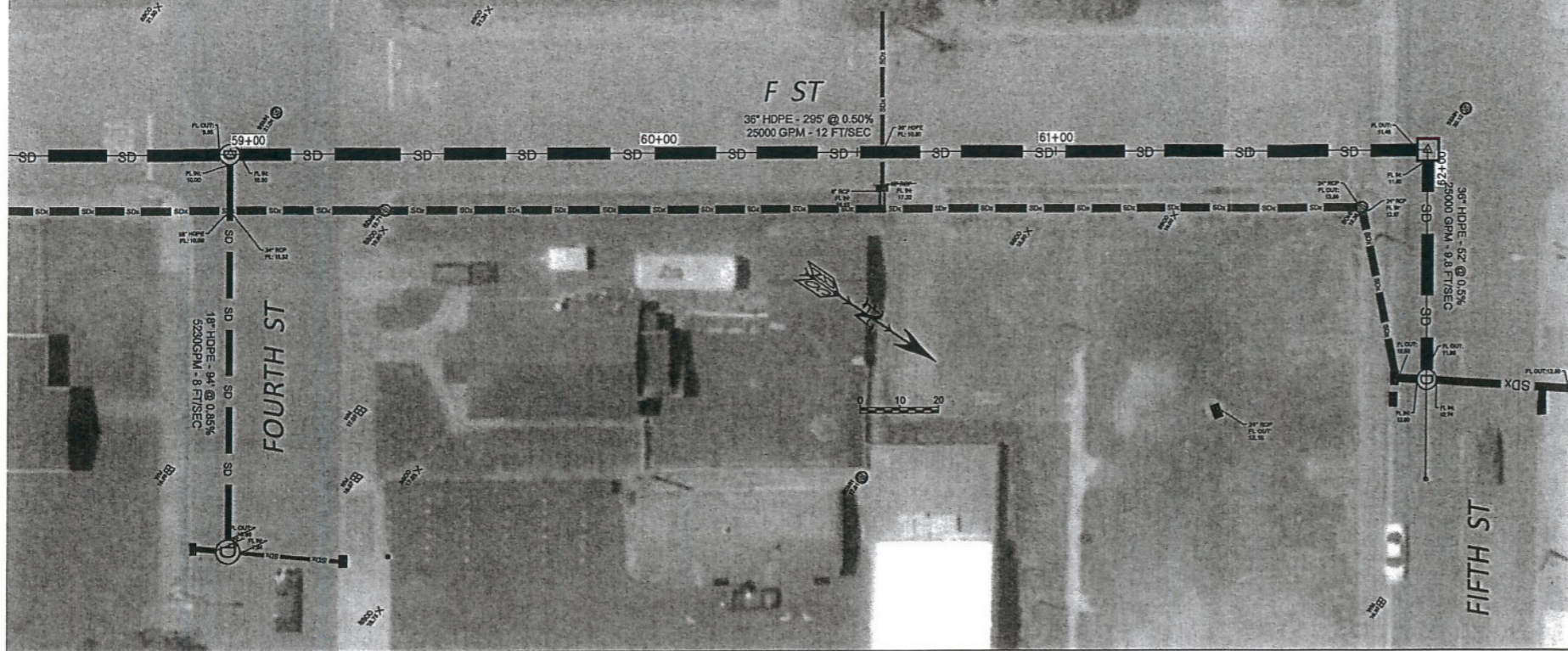
SCALE  
1"=20'

SHEET NUMBER 5 of 10

D-1.11



SEE SHEET D-1.11

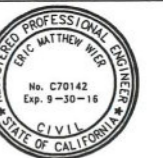


F STREET - FROM 58+50 TO END

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**



CITY OF CRESCENT CITY  
377 J Street  
Crescent City, CA 95531  
(707) 464-9506 phone  
(707) 465-4405 fax



**C Street Storm Sewer  
Rehabilitation Project**

JOB NO  
2017-???

DESIGN BY MYOUNG    DRAWN BY EL

CHECKED BY EWIER

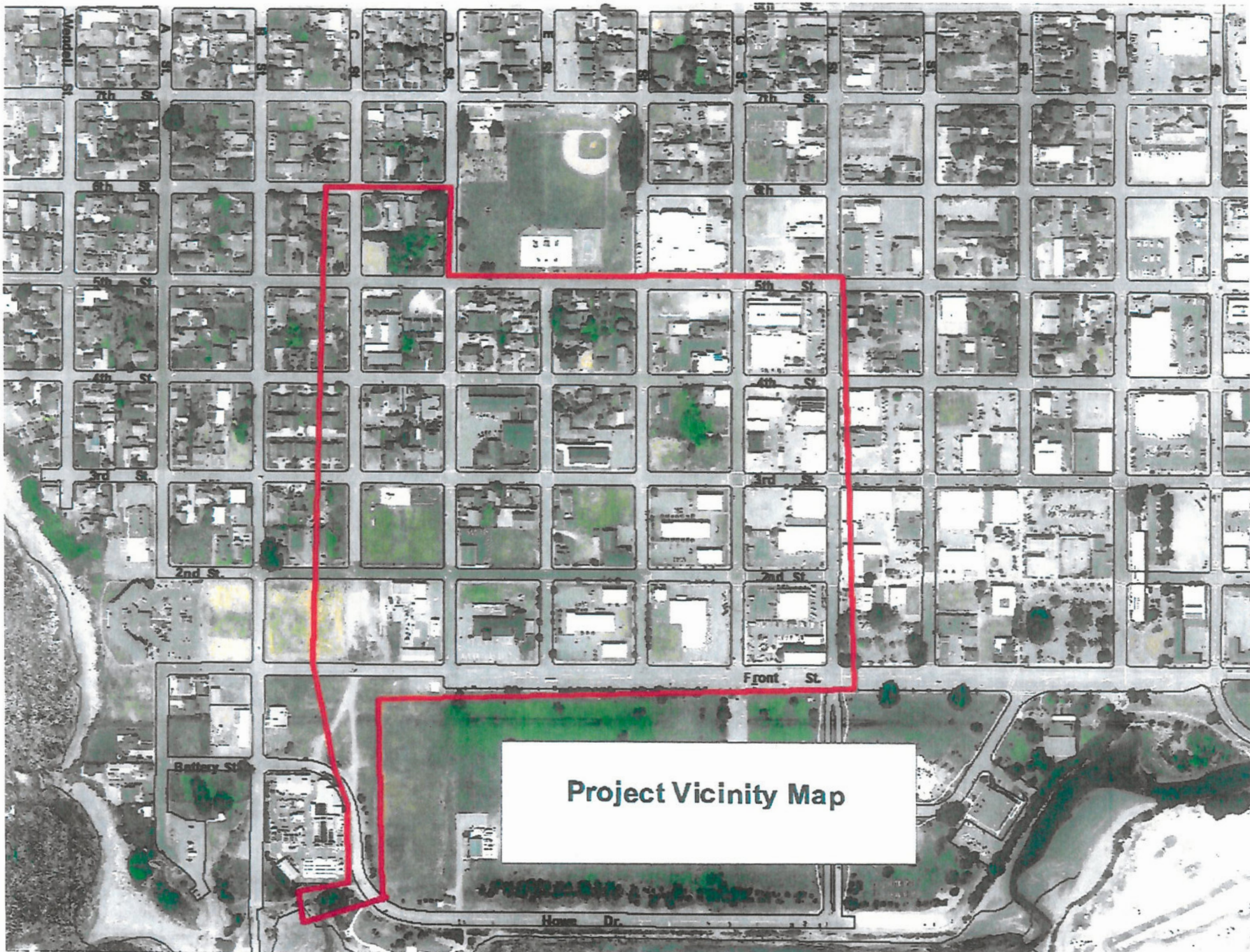
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11 OCT 2017

SCALE  
1"=20'

SHEET NUMBER 5 of 10

D-1.12





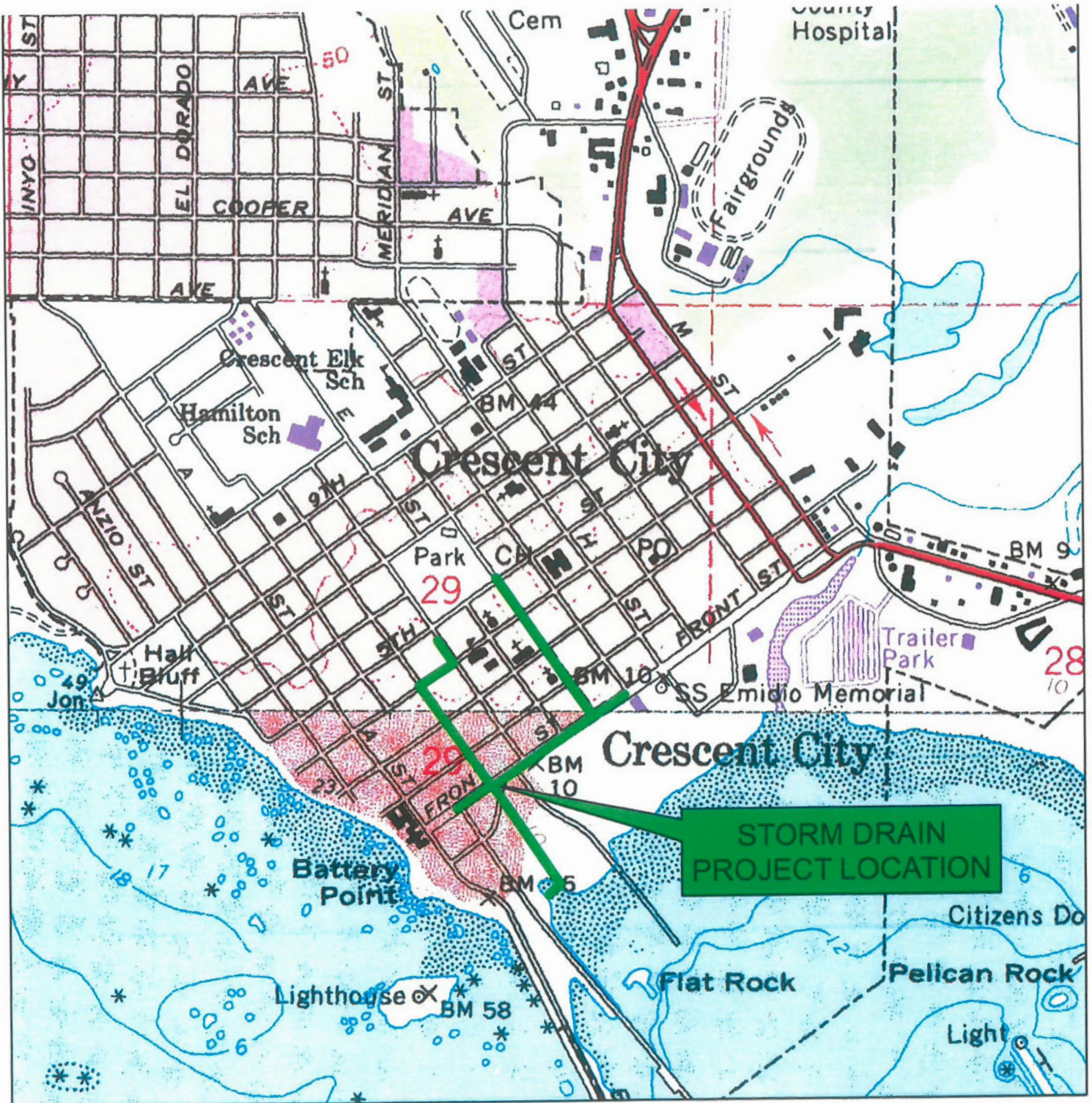
**Project Vicinity Map**





# City of Crescent City

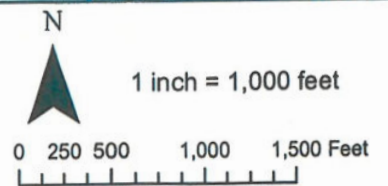
Where the Redwoods Meet the Sea



MAP CREATED 11-14-2018  
BY KEVIN TUPMAN

Disclaimer: The City of Crescent City shall not be held liable for improper or incorrect use of the data described and/or contained herein. This map is not a legal document and is not intended to be used as such. The City of Crescent City gives no warranty, expressed or implied, as to the accuracy, reliability, or completeness of the data portrayed on this map.

## 2018 STORM DRAIN IMPROVEMENT PROJECT LOCATION





May 21, 2001

Policy Document

# General Plan

CITY OF CRESCENT CITY





# BIOLOGICAL ASSESSMENT FOR C STREET STORM SEWER REHABILITATION PROJECT

*Prepared for:*

City of Crescent City  
377 J Street  
Crescent City, CA 95531

*Prepared by:*

Zack Larson and Associates  
Environmental Consultants  
P.O. Box 1400, Crescent City, CA 95531  
(707) 954-1085

October 2018



**BIOLOGICAL ASSESSMENT FOR C STREET STORM SEWER REHABILITATION PROJECT**

October 2018

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TABLE OF CONTENTS

**Contents**

1.0 Introduction .....3  
2.0 Summary of Findings and Conclusions .....4  
3.0 Environmental Setting and Existing Conditions.....5  
4.0 Methods.....5  
5.0 Results and Discussion.....8  
6.0 Recommendations .....9  
7.0 References .....9  
Appendix A. Additional Project Maps, Soil and Wetland Information..... 10  
Appendix B. Special Status Species Potentially in the Vicinity of the Project. .... 12  
Appendix C. Project Pictures..... 19  
Appendix E. Plant List and Data Sheets ..... 20



## BIOLOGICAL ASSESSMENT FOR C STREET STORM SEWER REHABILITATION PROJECT

### 1.0 Introduction

This is a biological assessment for the "C" Street Storm Sewer Rehabilitation Project in Crescent City, California (Figure 1). The project includes adding a storm sewer line under "C" Street from the intersection at 3<sup>rd</sup> Street to an existing outfall site in Crescent Harbor behind the Crescent City Wastewater Treatment Facility (Figure 2). The purpose of the project is to increase flow capacity and solve flooding issues within the City's 70 year old storm sewer system.

The new sewer line from "C" Street will terminate in the Coastal Zone next to the existing outfall in an environmentally sensitive habitat area (ESHA); a wetland ESHA with Special Status<sup>1</sup> plants in the immediate vicinity. In order to mitigate for encroaching on the wetlands, a new outfall will be set back from the existing outfall channel to create wetlands onsite. Construction includes approximately 1500 feet of trenching to accept the new sewer line.

The design of the new outfall setback from the existing outfall channel will create wetlands by increasing the length of discharge channel to mitigate impacts of encroaching on wetlands. The proposed wetland channel is 30 feet long by 5 feet wide channel and joins the existing outfall channel. The purpose of this assessment is to determine if adverse effects to ESHA are likely to occur from the actions of the proposed project. The project area was evaluated by Zack Larson for potential adverse effects to ESHA that may result from project activities.

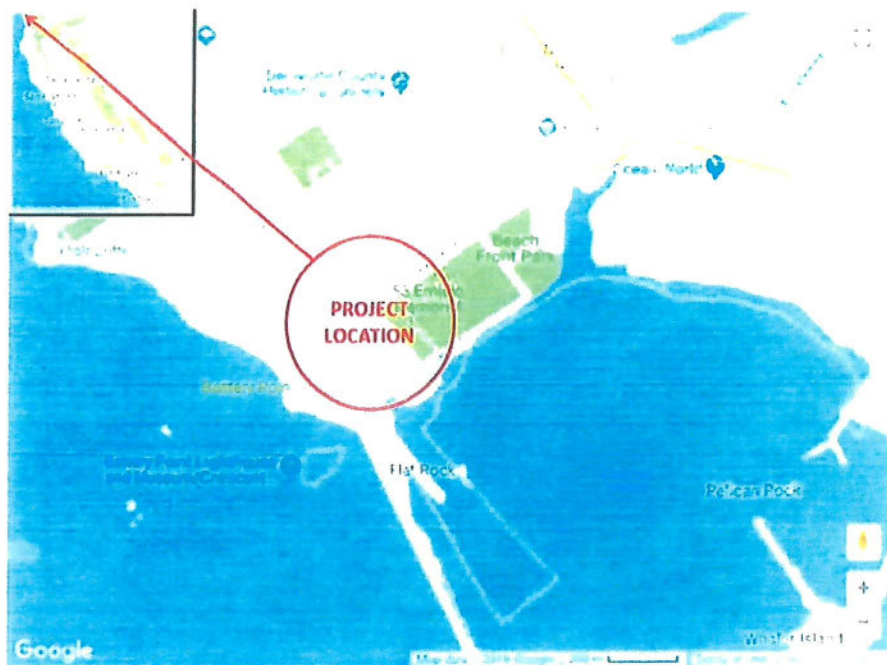


Figure 1. Location of the project area in Crescent City, Del Norte County, California.

<sup>1</sup> Special status" plants and animals are species or candidate species for listing under the federal Endanger Species Act (ESA) or the California ESA. Special status also applies to plants with local biological significance or ranked by the California Native Plant Society as Rare. These are environmentally sensitive habitat areas under the Coastal Act.





Figure 2. Approximate Location of the storm sewer route (red dash) and outfall.

## 2.0 Summary of Findings and Conclusions

The project area was surveyed by Zack Larson on April 24 and August 27, 2018. Four ESHA occurrences were observed in the vicinity of the project area. An emergent wetland (ditch) occurs just outside of the Coastal Zone in the filled area between Front and 2<sup>nd</sup> Street. A riverine wetland occurs at the outfall site in coastal strand habitat. Special status plant species, seaside pea (*Lathyrus japonicas*) and Wolf's evening primrose (*Oenothera wolffii*) were observed in the immediate vicinity of the outfall. The plants will be avoided by the construction of the secondary outfall. Based on the proposed outfall design that avoids special status species and creates onsite wetlands, the project will not result in adverse effects to ESHA.

### Recommendations

1. The location of the Wolf's evening primrose shall be avoided and protected during construction.
2. Minimal disturbance shall be made to the wetland ESHA
3. Bare soil resulting from the project shall be stabilized with geotextiles and native plants immediately upon project completion.
4. A wetland mitigation monitoring plan shall be completed to assure meeting mitigation goals.



### 3.0 Environmental Setting and Existing Conditions

The proposed storm sewer line runs through an urban setting in Crescent City in the Beachfront Park area in Township 16 North, Range 1 West, Section 29 of the USGS Sister Rocks 7.5 minute quadrangle map (Humboldt Base and Meridian) (Figure 1). The line ends at an outfall (approximately 41.74683°N/-124.1997°W (WGS 84)) that drains to Crescent Harbor. About 600 feet of the 1500 feet of the proposed storm sewer line is located in the Coastal Zone. Coastal habitats in the project area were previously altered and disturbed by seawall construction and urban development.

The upland project area consists of perennial grasslands on graded fill, and city streets with curbed gutters (Figure 2, Appendix A). The outfall terminates in coastal strand habitat in a wetland created by the hydrology of the existing outfall. The wetland consists of a small (3-ft.) channel that enters Crescent Harbor. This area was not identified in the National Wetland Inventory (Appendix A) but a natural drainage feature was likely in the immediate area prior to urban development. Aerial photos from 1988 to the present show a relatively dynamic habitat in the littoral zone, likely the result of outfall hydrology and tides.

The existing outfall pipe is covered with a 4-inch steel, mesh trash-rack. The wetland at the outfall is dominated by coastal willow (*Salix hookeriana*) and wax myrtle (*Morella californica*) trees with an understory of brambles (*Rubus ursinus*) and non-native grasses. Wolf's evening primrose (*Oenothera wolfii*), or hybrid was observed two feet from the existing outfall on rock slope protection substrate associated with the existing outfall (Figure 3). The channel of the outfall is a salt marsh wetland, dominated by bog rush\* (*Juncus effusus*) and birdfoot trefoil\* (*Lotus corniculatus*). Thickets of Pacific willow (*Salix lasiandra*) occur along the lower channel margins and a colony of seaside pea (*Lathyrus japonicus*) occurs in a 4 m<sup>2</sup> area on the eastern side of the channel in the coastal strand. Sea fig\* (*Carpobrotus chilensis*) is also in the immediate project area.

The annual precipitation is about 70 inches in Crescent City. It has a Mediterranean climate with temperatures that range from an average low of about 44°F to the average high of about 60°F. Precipitation is light during summer months with frequent foggy days. Rain is often heavy during winter. According to the NRCS Web Soil Survey<sup>2</sup> the soil map unit is Halfbluff-Tepona-Urban Land, with 0 to 2, and 2 to 9 percent slopes (USDA, NRCS, 2018). The area is on a marine terrace and the typical soil profile is fine sandy loam to about 18" and sandy loam from 18 to 35 inches. The National Wetlands Inventory does not identify wetlands in the project area (Appendix A).

### 4.0 Methods

The California Natural Diversity Database (CNDDDB) was searched for occurrences of special status species and natural communities reported in the area (Figure 3). A special status species scoping list was prepared, including species from California Native Plant Society Rare Plant Inventory and U.S. Fish and Wildlife Service Threatened and Endangered Species in the vicinity. The search included species listed by state and federal governments as Threatened, Endangered, or Candidate for listing, and California Species of Special Concern. Species status,

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<sup>2</sup> USDA Natural Resources Conservation Service Web Soil Survey ([www.websoilsurvey.sc.egov.usda.gov](http://www.websoilsurvey.sc.egov.usda.gov)).







Figure 3. Approximate location of Special Status Species identified in the project area



preferred habitats, and their occurrence or potential occurrence in the project area were reported in Appendix B. The following special status plant species were identified as having a “Moderate” or “High” potential of occurring in the project area (Table 1). See Appendix B for habitat and status descriptions.

Table 1. List of plant species with a high probability of occurrence on subject properties.

<u>Scientific Name</u>	<u>Common Name</u>	<u>Listing Status</u>	<u>Bloom Time</u>
<i>Abronia umbellata</i> var. <i>breviflora</i>	ink sand-verbena	1B.1	June-October
<i>Anthoxanthum nitens</i> ssp. <i>nitens</i>	vanilla-grass	2B.3	Apr-July
<i>Calamagrostis crassiglumis</i>	Thurber's reed grass	2B.1	May-July
<i>Carex lenticularis</i> var. <i>limnophila</i>	lakeshore sedge	2B.2	June-August
<i>Castilleja litoralis</i>	Oregon coast paintbrush	2B.2	June
<i>Empetrum nigrum</i>	black crowberry	2B.2	July-August
<i>Gilia capitata</i> ssp. <i>pacifica</i>	Pacific gilia	1B.2	Apr-Aug
<i>Gilia millefoliata</i>	dark eyed gilia	1B.2	Apr-July
<i>Lathyrus japonicas</i>	seaside pea	2B.1	May-Aug
<i>Lilium occidentale</i>	western lily	1B.1	June-July
<i>Moneses uniflora</i>	wood nymph	2B.2	May-July
<i>Oenothera wolfii</i>	Wolf's evening-primrose	1B.2	May-Oct
<i>Packera bolanderi</i> var. <i>bolanderi</i>	Seacoast ragwort	2B.2	Apr-May
<i>Romanzoffia tracyi</i>	Tracy's romanzoffia	2B.3	Mar-May
<i>Viola adunca</i>	western dog violet	OSB host	Apr-Aug

Based on the habitat requirements of the animals described in Appendix B, special status animal species having greatest potential to occur on in the immediate project area include:

*Northern Red-legged Frog (Rana aurora draytonii)*

\*Federally Threatened

The California red-legged frog requires a variety of habitat elements with aquatic breeding areas embedded within a matrix of riparian and upland dispersal habitats (USFWS 2002). Breeding sites of the California red-legged frog are in aquatic habitats including pools and backwaters within streams and creeks, ponds, marshes, springs, dune ponds and lagoons.

**Wetland Assessment Methods and Definitions**

The National Wetlands Inventory (NWI) database was searched for occurrences of wetlands on or adjacent to the sites and available soil survey information was gathered (NRCS 2018, McLaughlin and Harradine 1966). The parcel was evaluated for both Army Corps of Engineers and California Coastal Commission jurisdictional wetlands. The Army Corps of Engineers defines wetlands as:

*“...areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal conditions do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs, and similar areas.”*

Army Corps jurisdictional wetlands require indicators of all three wetland parameters (hydrophytic vegetation, hydric soil, and wetland hydrology) to make a positive wetland determination. The Coastal Commission’s Administrative Regulations (Section 13577 (b)) provide the following wetland definition:

*“Wetlands are lands where the water table is at, near, or above the land surface long enough to promote the formation of hydric soils or to support the growth of hydrophytes, and shall also include those types of wetlands where vegetation is lacking and soil is poorly developed or absent as a result of frequent or drastic fluctuations of surface water levels, wave action, water flow, turbidity or high concentrations of salt or other substance in the substrate. Such wetlands can be recognized by the presence of surface water or*



saturated substrate at some time during each year and their location within, or adjacent to, vegetated wetlands or deepwater habitats."

The California Coastal Commission considers this definition as requiring the observation of only one diagnostic feature of a wetland such as wetland hydrology, hydrophytic vegetation, or hydric soil. The location was evaluated for wetlands based on the Regional Supplement to the Corps of Engineers Wetland Delineation Manual Western Mountains, Valleys, and Coast Region (Version 2.0) (Army Corps 2010), the 1987 Corps of Engineers Wetlands Delineation Manual (Environmental Laboratory 1987), and the Western Mountains Valleys and Coast 2016 Regional Wetland Plant List (Army Corps 2016).

## 5.0 Results and Discussion

The entire project area has been altered by urban development and vegetation is dominated by non-native perennial grasslands (over fill) that are frequently mowed. ESHA occurrences were observed in the vicinity of the project area. An emergent wetland occurs between Front and 2<sup>nd</sup> Street just outside of the Coastal Zone. The area contains bog rush, giant horsetail (*Equisetum telmateia*) and coastal willow shrubs (Figure 4).

The special status (1B.2) seaside pea (*Lathyrus japonicus*) and Wolf's evening primrose (*Oenothera wolfii*) were observed in around the outfall and channel and wetland around the outfall. These plants will be avoided by the project and the proposed wetland mitigation will occur at a ratio of four to one. Otherwise no rare or special status species or habitats were observed. The project avoids ESHA plants and creates wetlands. Based on the findings of this report and the implementation of the following recommendations, the project will not result in adverse effects to ESHA.

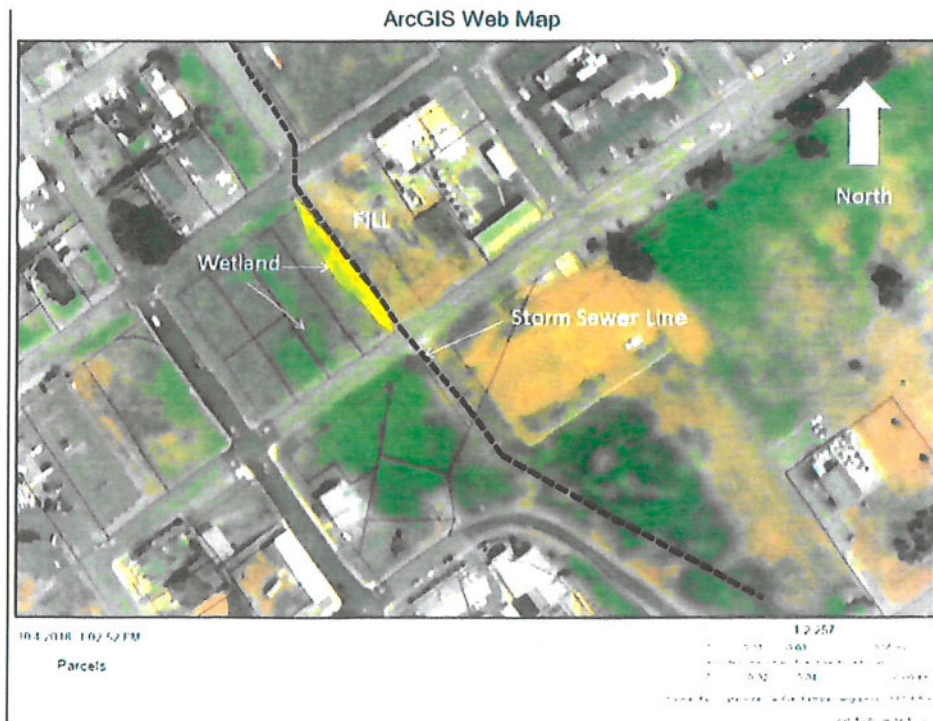


Figure 4. Storm sewer line in relation to wetland ditch and fill between Front and 2<sup>nd</sup> Streets.



## 6.0 Recommendations

1. The location of the Wolf's evening primrose shall be avoided and protected during construction.
2. Minimal disturbance shall be made to the wetland ESHA
3. Bare soil resulting from the project shall be stabilized with geotextiles and native plants immediately upon project completion.
4. A wetland mitigation monitoring plan shall be completed to assure meeting mitigation goals.

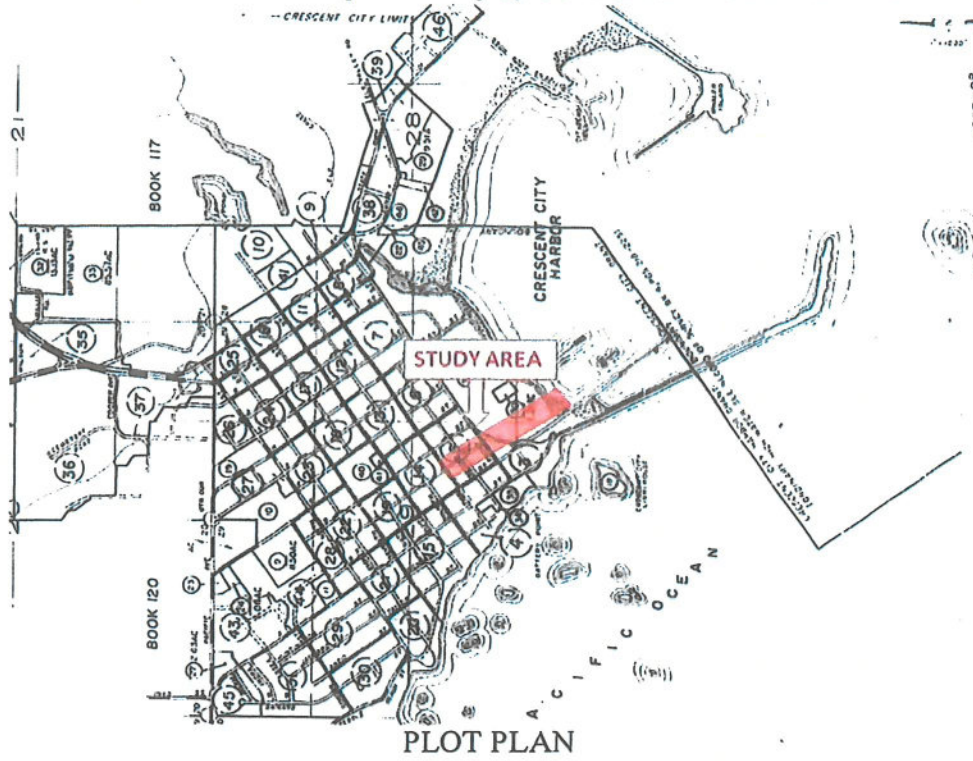
## 7.0 References

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- U.S. Fish and Wildlife Service. 2001. Oregon silverspot butterfly (*Speyeria zerene hippolyta*) revised recovery plan. U.S. Fish and Wildlife Service, Portland, Oregon. 113 p.
- U.S. Fish and Wildlife Service. 2002. Recovery Plan for the California Red-legged Frog (*Rana aurora draytonii*). U.S. Fish and Wildlife Service, Portland, Oregon. viii + 173 p.

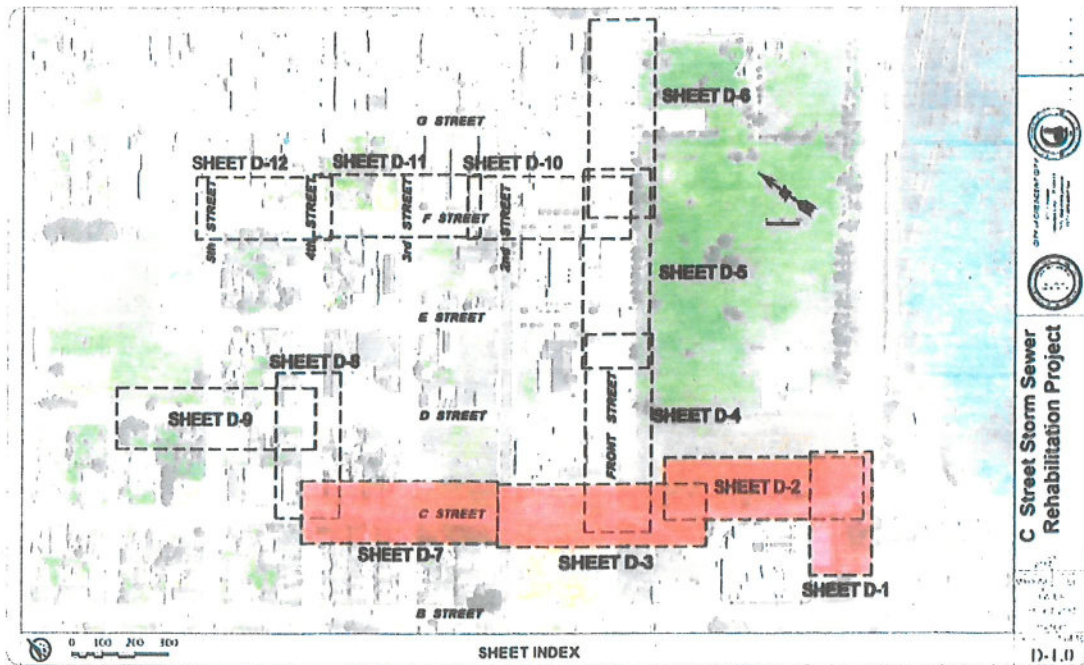




# Appendix A. Additional Project Maps, Soil and Wetland Information



PLOT PLAN





# SOIL MAP

Soil Map—Humboldt and Del Norte Area, California  
 ("C" Street Storm Sewer BA)



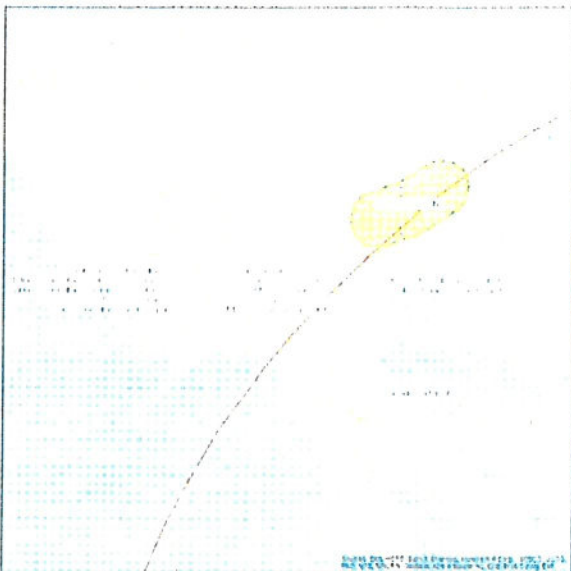
USDA Natural Resources Conservation Service

Web Soil Survey  
 National Cooperative Soil Survey

9/21/2018  
 Page 1 of 3

## Map of Project Area

- California National Wetlands Inventory (NWI) (MDEIR) (National Wetlands Inventory)
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- State 4001
- State 4002
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**Appendix B. Special Status Species Potentially in the Vicinity of the Project.  
PLANTS (May 2018 CNDDDB for Crescent City and Adjacent Quads)**

Scientific Name Common Name	Listing Status	Habitat	Blooming Period	Potential to Occur on Parcel
<i>Anthoxanthum nitens</i> ssp. <i>nitens</i> vanilla-grass	2B.3	Meadows and seeps (mesic).	Apr-Jul	UNLIKELY. Observations include the wetlands around Lake Earl.
<i>Abronia umbellata</i> var. <i>breviflora</i> Pink sand-verbena	1B.1	Coastal dunes	June-Oct	MODERATE. Observed nearby (500 feet).
<i>Arabis aculeolata</i> Waldo rockcress	2B.2	Broadleafed upland forest, Lower montane coniferous forest, Upper montane coniferous forest/serpentinite.	Apr-Jun	NO POTENTIAL. Occurs on serpentine. Habitat not present.
<i>Arabis mcdonaldiana</i> McDonald's rockcress	1B.1, CE, FE	Lower montane coniferous forest, Upper montane coniferous forest / serpentinite.	May-Jul	NO POTENTIAL. Occurs on serpentine. Habitat not present.
<i>Asplenium trichomanes</i> ssp. <i>trichomanes</i> maidenhair spleenwort	2B.1	Lower montane coniferous forest (rocky).	May-Jul	NO POTENTIAL. Occurs in inland and higher elevation habitat. Habitat not present.
<i>Boechea koehleri</i> Koehler's stipitate rockcress	1B.3	Chaparral, Lower montane coniferous forest/serpentinite, rocky	(Mar),Apr-Jul	NO POTENTIAL. Habitat not present.
<i>Bryoria spiralifera</i> twisted horsehair lichen	1B.1	North Coast coniferous forest (immediate coast)/Usually on conifers.	na	UNLIKELY. Habitat not present.
<i>Calamagrostis crassiglumis</i> Thurber's reed grass	List 2B.1	Coastal scrub (mesic), Marshes and swamps (freshwater).	May-Aug	UNLIKELY. Site contains coastal marine habitat.
<i>Calicium adpersum</i> spiral-spored guilded-head pin lichen	2B.2	Lower montane coniferous forest, North Coast coniferous forest/often restricted to old-growth bark of conifers that are over 200 years in age.	na	NO POTENTIAL. Typically occurs in old growth forest. Habitat not present.
<i>Cardamine angulata</i> Seaside bittercress	2B.1	Wet areas, streambanks, Lower montane coniferous forest, North Coast coniferous forest.	(Jan), Mar-Jul	UNLIKELY. Habitat marginal or not present.
<i>Carex arcta</i> northern clustered sedge	2B.2	Bogs and fens, North Coast coniferous forest (mesic).	Jun-Sept	UNLIKELY. Observations include the wetlands around Lake Earl.
<i>Carex lenticularis</i> var. <i>limnophila</i> lagoon sedge	2B.2	Bogs and fens, Marshes and swamps, North Coast coniferous forest/shores, beaches; often gravelly.	Jun-Aug	MODERATE. Habitat present in the immediate vicinity. Species occurrences documented nearby.
<i>Carex lyngbyei</i> Lyngbye's sedge	2B.2	Marshes and swamps (brackish or freshwater).	Apr-Aug	MODERATE. Habitat present in the immediate vicinity.
<i>Carex praticola</i> northern meadow sedge	2B.2	Meadows and seeps (mesic).	May-Jul	UNLIKELY. Project area does not include suitable wetland habitat..
<i>Carex serpenticola</i> serpentine sedge	2B.3	Meadows and seeps (mesic, serpentinite).	Mar-May	NO POTENTIAL. Occurs on serpentine.





<i>Carex viridula</i> ssp. <i>viridula</i> green yellow sedge	2B.3	Bogs and fens, Marshes and swamps (freshwater), North Coast coniferous forest (mesic).	(Jun),Jul-Sep(Nov),	UNLIKELY. Project area does not include suitable wetland habitat.
<i>Cascadia nuttallii</i> Nuttall's saxifrage	2B.1	North Coast coniferous forest (mesic, rocky).	May	NO POTENTIAL. Project area is not North Coast coniferous forest.
<i>Castilleja elata</i> Siskiyou paintbrush	2B.2	Bogs and fens, Lower montane coniferous forest(seeps)/often serpentinite.	May-Aug	NO POTENTIAL. project area is not Lower montane coniferous forest. Habitat not present.
<i>Castilleja litoralis</i> Oregon coast paintbrush	2B.2	Coastal bluff scrub, Coastal dunes, Coastal scrub/sandy.	Jun	HIGH. Observations in the immediate vicinity (by mouth of Elk Creek).
<i>Cochlearia groenlandica</i> Greenland cochlearia	2B.3	Coastal bluff scrub (on basaltic sea stack).	May-Jul	NO POTENTIAL. Occurs sea stacks.
<i>Diselium nudum</i> naked flag moss	2B.2	Coastal bluff scrub (soil, on clay banks).		NO POTENTIAL. Habitat not present.
<i>Empetrum nigrum</i> black crowberry	2B.2	Coastal bluff scrub, Coastal prairie.	Apr-Jun	HIGH. Observations nearby.
<i>Eriogonum nudum</i> var. <i>paralinum</i> Del Norte buckwheat	2B.2	Coastal bluff scrub, Coastal prairie.	Jun-Sep	UNLIKELY. Habitat is highly degraded.
<i>Eriogonum pendulum</i> Waldo wild buckwheat	2B.2	Lower montane coniferous forest, Upper montane coniferous forest/serpentinite.	Aug-Sep	NO POTENTIAL. Occurs on serpentine. Habitat not present.
<i>Erysimum concinnum</i> bluff wallflower	1B.2	Coastal bluff scrub, Coastal dunes, Coastal prairie.	Feb-Jul	MODERATE. Project area does not include Coastal bluff scrub, Coastal dunes, or Coastal prairie.
<i>Erythronium hendersonii</i> Henderson's fawn lily	2B.3	Lower montane coniferous forest.	Apr-Jul	NO POTENTIAL. Project area is not Lower montane coniferous forest.
<i>Erythronium howellii</i> Howell's fawn lily	1B.3	Lower montane coniferous forest, North Coast coniferous forest/sometimes serpentinite	Apr-May	NO POTENTIAL. Project area is not Lower montane coniferous forest.
<i>Erythronium oregonum</i> giant fawn lily	2B.2	Cismontane woodland, Meadows and seeps/sometimes serpentinite, rocky, Openings.	Mar-Jun(Jul),	NO POTENTIAL. Project area lacks suitable habitat.
<i>Erythronium revolutum</i> coast fawn lily	2B.2	Bogs and fens, Broadleafed upland forest, North Coast coniferous forest/Mesic, streambanks.	Mar-Jul(Aug),	NO POTENTIAL. Project area lacks suitable habitat.
<i>Fissidens pauperculus</i> minute pocket moss	1B.2	North Coast coniferous forest (damp coastal soil).	na	UNLIKELY. Project area is not North Coast coniferous forest.
<i>Gentiana setigera</i> Mendocino gentian	1B.2	Lower montane coniferous forest, Meadows and seeps/mesic.	(Apr),(Jul), Aug-Sep	UNLIKELY. Project area is not Lower montane coniferous forest.





<i>Gilia capitata</i> ssp. <i>pacifica</i> Pacific gilia	1B.2	Coastal bluff scrub, Chaparral (openings), Coastal prairie, Valley and foothill grassland.	Apr-Aug	MODERATE. Habitat present but disturbed.
<i>Gilia millefoliata</i> dark-eyed gilia	1B.2	Coastal dunes.	Apr-Jul	NO POTENTIAL. Occurs on Coastal dunes.
<i>Hesperevax sparsiflora</i> var. <i>brevifolia</i> short-leaved evax	1B.2	Coastal bluff scrub(sandy), Coastal dunes, Coastal prairie	Mar-Jun	UNLIKELY. Project area does not include suitable habitat.
<i>Kopsiopsis hookeri</i> small groundcone	2B.3	North Coast coniferous forest.	Apr-Aug	NO POTENTIAL. Project area is North Coast coniferous forest.
<i>Lasthenia californica</i> ssp. <i>macrantha</i> Perennial goldfields	1B.2	Coastal bluff scrub, Coastal dunes, Coastal scrub.	Jan-Nov	NO POTENTIAL. Project area does not include suitable habitat.
<i>Lathyrus japonicus</i> seaside pea	2B.1	Coastal dunes.	May-Aug	MODERATE. Occurs and dunes upper beaches. Located outside of the littoral zone.
<i>Lathyrus palustris</i> marsh pea	2B.2	Bogs and fens, Coastal prairie, Coastal scrub, Lower montane coniferous forest, Marshes and swamps, North Coast coniferous forest/mesic.	Mar-Aug	NO POTENTIAL. Parcels do not include suitable wetland habitat.
<i>Layia carnosa</i> beach layia	1B.1, FE, CE	Coastal dunes, Coastal scrub (sandy).	Mar-Jul	NO POTENTIAL. Occurs on coastal dunes.
<i>Lewisia oppositifolia</i> opposite-leaved lewisia	2B.2	Lower montane coniferous forest (mesic).	Apr-May(Jun),	NO POTENTIAL. Project area is not Lower montane coniferous forest.
<i>Lilium occidentale</i> western lily	1B.1, CE, FE	Bogs and fens, Coastal bluff scrub, Coastal prairie, Coastal scrub, Marshes and swamps(freshwater), North Coast coniferous forest (openings).	Jun-Jul	NO POTENTIAL. Though known in immediate vicinity habitat not present.
<i>Lysimachia europaea</i> arctic starflower	2B.2	Bogs and fens, Meadows and seeps/coastal.	Jun-Jul	UNLIKELY. Parcels do not include suitable wetland habitat.
<i>Moneses uniflora</i> woodnymph	2B.2	Broadleafed upland forest, North Coast coniferous forest.	May-Aug	UNLIKELY. Parcel does not include North Coast coniferous forest.
<i>Monotropa uniflora</i> ghost-pipe	2B.2	Broadleafed upland forest, North Coast coniferous forest.	Jun-Aug(Sep),	NO POTENTIAL. Parcel does not include North Coast coniferous forest.
<i>Oenothera wolfii</i> Wolf's evening-primrose	1B.1	Coastal bluff scrub, Coastal dunes, Coastal prairie, Lower montane coniferous forest/sandy, usually mesic.	May-Oct	HIGH. Observed in immediate vicinity. Garden hybrids common in area.
<i>Packera bolanderi</i> var. <i>bolanderi</i> seacoast ragwort	2B.2	Coastal scrub, North Coast coniferous forest/Sometimes roadsides.	(Jan),(Feb), (Apr),May-Jul(Aug),	MODERATE. Marginal habitat at best along roads.





<i>Phacelia argentea</i> sand dune phacelia	1B.1	Coastal dunes.	Jun-Aug	MODERATE. Occurs on coastal dunes.
<i>Pinguicula macroceras</i> horned butterwort	2B.2	Bogs and fens (serpentinite).	Apr-Jun	NO POTENTIAL. Occurs on serpentine.
<i>Piperia candida</i> white-flowered rein orchid	1B.2	Broadleafed upland forest, Lower montane coniferous forest, North Coast coniferous forest/sometimes Serpentinite.	(Mar), May-Sep	NO POTENTIAL. Typically occurs in forest with a Douglas-fir and tanoak component.
<i>Polemonium carneum</i> Oregon polemonium	2B.2	Coastal prairie, Coastal scrub, Lower montane coniferous forest.	Apr-Sep	UNLIKELY. Project area does contain coastal prairie
<i>Potamogeton foliosus</i> ssp. <i>fibrillosus</i> fibrous pondweed	2B.3	Marshes and swamps (assorted shallow freshwater).	unk	UNLIKELY. .
<i>Prosartes parvifolia</i> Siskiyou bells	1B.2	Lower montane coniferous forest, Upper montane coniferous forest/Often roadsides, disturbed areas, and burned areas.	May-Sep	NO POTENTIAL. project area is not Upper montane coniferous foreste.
<i>Pyrocoma racemosa</i> var. <i>congesta</i> Del Norte pyrocoma	2B.3	Chaparral, Lower montane coniferous forest/serpentinite.	Aug-Sep	NO POTENTIAL. Occurs on serpentine.
<i>Ramalina thrausta</i> angel's hair lichen	2B.1	North Coast coniferous forest/On dead twigs and other lichens.	na	UNLIKELY. Project area is not North Coast coniferous forest.
<i>Romanzoffia tracyi</i> Tracy's romanzoffia	2B.3	Coastal bluff scrub, Coastal scrub/rocky.	Mar-May	UNLIKELY. project area lacks rocky habitat.
<i>Sabulina howellii</i> Howell's sandwort	1B.3	Chaparral, Lower montane coniferous forest/serpentinite, xeric.	Apr-Jul	NO POTENTIAL. Occurs on serpentine.
<i>Sagittaria sanfordii</i> Sanford's arrowhead	1B.2	Marshes and swamps (assorted shallow freshwater).	May- Oct(Nov),	NO POTENTIAL. Project area does not include wetland habitat.
<i>Sanguisorba officinalis</i> great burnet	2B.2	Bogs and fens, Broadleafed upland forest, Meadows and seeps, Marshes and swamps, North Coast coniferous forest, Riparian forest/often Serpentinite.	Jul-Oct	UNLIKELY. Parcels do not include wetland habitat.
<i>Sidalcea malviflora</i> ssp. <i>patula</i> Siskiyou checkerbloom	1B.2	Coastal bluff scrub, Coastal prairie, North Coast coniferous forest/often roadcuts.	May-Aug	UNLIKELY. Marginal habitat along sunset circle
<i>Sidalcea oregana</i> ssp. <i>eximia</i> coast checkerbloom	1B.2	Lower montane coniferous forest, Meadows and seeps, North Coast coniferous forest.	Jun-Aug	UNLIKELY. Marginal habitat along sunset circle
<i>Silene serpentinicola</i> serpentine catchfly	1B.2	Chaparral, Lower montane coniferous forest/serpentinite openings; gravelly or rocky.	May-Jul	NO POTENTIAL. Occurs on serpentine.
<i>Streptanthus howellii</i> Howell's jewel-flower	1B.2	Lower montane coniferous forest (serpentinite, rocky).	Jul-Aug	NO POTENTIAL. Occurs on serpentine.





<i>Triquetrella californica</i> coast triquetrella	1B.2	Coastal bluff scrub, Coastal scrub.		NO POTENTIAL.
<i>Vaccinium scoparium</i> little-leaved huckleberry	2B.2	Subalpine coniferous forest (rocky).	Jun-Aug	NO POTENTIAL. Occurs on serpentine.
<i>Viola adunca</i> western dog violet	*Host for OSB	Occurs in a variety of forests, meadows, and wetlands.	Apr-Sept	MODERATE.
<i>Viola langsdorffii</i> Langsdorf's violet	2B.1	Bogs and fens (coastal).	May-Jul	NO POTENTIAL. Project area does not include wetland habitat.
<i>Viola palustris</i> alpine marsh violet	2B.2	Bogs and fens(coastal), Coastal scrub(mesic.)	Mar-Aug	NO POTENTIAL. Project area does not include wetland habitat..
<i>Viola primulifolia</i> ssp. <i>occidentalis</i> western white bog violet	1B.2	Bogs and fens(serpentinite), Marshes and swamps.	Apr-Sept	NO POTENTIAL. Project area does not include wetland habitat.

\* Plant of local biological significance

**SPECIAL STATUS PLANT LISTING**

**STATUS**

Endangered Species Act (ESA)

FE: Federally Endangered

FT: Federally Threatened

FR: Federally Rare

California Rare Plant Ranks

1A: Plants Presumed Extirpated in California and Either Rare or Extinct Elsewhere

1B: Plants Rare, Threatened, or Endangered in California and Elsewhere

2A: Plants Presumed Extirpated in California, But Common Elsewhere

2B: California Rare Plant Rank 2B: Plants Rare, Threatened, or Endangered in CA, But More Common Elsewhere

Threat Ranks

0.1 Seriously threatened in California (over 80% of occurrences threatened / high degree and immediacy of threat)

0.2 Moderately threatened in California (20-80% occurrences threatened / moderate degree and immediacy of threat)

0.3 Not very threatened in California (less than 20% of occurrences threatened / low degree and immediacy of threat or

no

California Endangered Species Act (CESA)

CE: California Endangered

CT: California Threatened

CR: California Rare

**ANIMALS (October 2017 CNDDDB Database for Crescent City and Smith River Quads)**

SPECIES LATIN NAME Common Name	LISTING STATUS (FED/CA)	PREFERRED HABITAT	POTENTIAL TO OCCUR ON-SITE
<i>Actinemys marmorata</i> Western pond turtle	Under review	Found in ponds, lakes, rivers, streams, creeks, marshes with abundant vegetation, and either rocky or muddy bottoms, in woodland, forest, and grassland. In streams, prefers pools to shallower areas. Logs, rocks, cattail mats, and exposed banks are required for basking.	NO POTENTIAL
<i>Arborimus pomo</i> Sonoma tree vole	None, SSC	North coast fog belt from Oregon border to Sonoma County. In Douglas-fir, redwood & montane hardwood conifer forests. Feeds almost exclusively on Douglas-fir needles. Will occasionally take needles of grand fir, hemlock or spruce.	NO POTENTIAL. Habitat not present (i.e. not montane)
<i>Ascaphus truei</i> Pacific tailed frog	None, SSC	Montane hardwood—conifer, redwood, Douglas fir and Ponderosa pine habitats. Restricted to perennial montane streams.	NO POTENTIAL. Habitat not present.





<i>Brachyramphus marmoratus</i> Marbled murrelet	FT/SE	Feeds near-shore; nests inland along coast from eureka to oregon border and from half moon bay to santa cruz. Nests in old-growth redwood-dominated forests, up to six miles inland, often in douglas-fir.	NO POTENTIAL. Habitat not present.
<i>Charadrius alexandrinus nivosus</i> Western snowy plover	FT/SSC	Sandy beaches, levees and shores.	MODERATE. Habitat present in vicinity.
<i>Coccyzus americanus occidentalis</i> Western yellow-billed cuckoo	FC/SE	Nests in tall cottonwood and willow riparian woodland. Requires patches of at least 25 acres of dense riparian forest with a canopy cover of at least 50 percent in both understory and overstory; nests typically in mature willows.	NO POTENTIAL. Not known to nest in NW CA (Hunter et al. 2005) yet prior obs. in Del Norte.
<i>Corynorhinus townsendii</i> Townsend's big-eared bat	None, SSC	Throughout California in a wide variety of habitats. Most common in mesic sites. Roosts in the open, hanging from walls and ceilings. Roosting sites limiting. Extremely sensitive to human disturbance.	UNKOWN. Adjacent to developments and busy roads.
<i>Empidonax traillii brewsteri</i> Little willow flycatcher	SE	Mountain meadows and riparian habitats in the Sierra Nevada and Cascades. Requires dense shrubs for nesting and roosting. Occurs generally near low velocity stream habitat, seeps or standing water.	NO POTENTIAL.
<i>Eucyclogobius newberryi</i> tidewater goby	FE	Brackish water habitats along the california coast. Found in shallow lagoons and lower stream reaches	MODERATE.
<i>Fratercula cirrhata</i> tufted puffin	SSC	Nests along the coast on islands, islets, or (rarely) mainland cliffs.	NO POTENTIAL.
<i>Haliaeetus leucocephalus</i> bald eagle	FD/SE	Generally found along margins of water sources (ocean, lakes, rivers). Nests in large trees within one mile of water.	UNLIKELY to occur at project site.
<i>Limnephilus atercus</i> Fort Dick limnephilus caddisfly	None	Known only from Fort Dick in Del Norte County.	NO POTENTIAL.
<i>Martes caurina humboldtensis</i> Humboldt marten	Candidate Endangered	Late successional coniferous forests, prefer forests with low overhead and complex cover.	NO POTENTIAL. No late successional forest habitat present.
<i>Oceanodroma furcata</i> fork-tailed storm petrel	SSC	Colonial nester on offshore islets	NO POTENTIAL.
<i>Oncorhynchus clarkii clarkia</i> coastal cutthroat trout	SSC	Small coastal streams from the Eel River to the Oregon Border. Spawning occurs in small low-gradient tributaries from December through May, with a peak in February (Trotter, 1989). Flexible life history strategy (including anadromy) though highly dependent on freshwater habitats.	UNLIKELY. Stream habitat created by storm drain outfall.
<i>O. kisutch</i> Coho Salmon	FT/ST	Adult Coho Salmon generally enter the Klamath around October and spawn in low gradient tributaries. Juveniles prefer complex instream habitat in low gradient streams.	UNLIKELY. Coho occur in nearby Elk Creek. Potential juvenile use of area but very unlikely.
<i>Pelecanus occidentalis californicus</i>	FE/SE	Near-shore waters along coast; nests on islands in Central and South America.	UNLIKELY. Urban setting in busy area with no





California brown pelican			preferred habitat.
<i>Pekania pennanti</i> Fisher	SSC	Intermediate to large-tree stages of coniferous forests and deciduous-riparian areas with high percent canopy closure. Uses cavities, snags, logs and rocky areas for cover and denning. Needs large areas of mature, dense forest.	NO POTENTIAL. Habitat not available.
<i>Phoebastris albatrus</i> short-tailed albatross	FE	Pelagic. Observed in off-shore marine habitat. Rarely observed in nearshore habitats.	NO POTENTIAL.
<i>Plethodon elongates</i> Del Norte salamander	SSC	Old-growth associated species with optimum conditions in the mixed conifer/hardwood ancient forest ecosystem.	NO POTENTIAL. Habitat not present
<i>Polites mardon</i> mardon skipper	FC	Occur in rocky serpentine meadows containing <i>Festuca idahoensis</i>	NO POTENTIAL. Habitat not present.
<i>Rana aurora</i> northern red-legged frog	FT/SSC	Dense riparian cover, generally near permanent water. Can be away from water during non-breeding season.	MODERATE. Observed nearby.
<i>Rana boylei</i> foothill yellow legged frog	SSC	Partly-shaded, shallow streams and riffles with a rocky substrate in a variety of habitats.	NO POTENTIAL. Habitat not present.
<i>Rhyacotriton variegates</i> southern torrent salamander	SSC	Coastal redwood, Douglas fir, mixed conifer, montane riparian, and montane hardwood-conifer habitats. Old growth.	NO POTENTIAL. Habitat not present within project site areas.
<i>Speyeria zerene Hippolyta</i> Oregon silverspot butterfly	FT/ST	Coastal meadows in Del Norte. Larvae feed only on the foliage of w.dog violet ( <i>viola adunca</i> )	MODERATE. <i>V. adunca</i> not observed.
<i>Spirinchus thaleichthys</i> longfin smelt	FCT, SSC	Euryhaline, nektonic & anadromous. Found in open waters of estuaries, mostly in middle or bottom of water column. Prefer salinities of 15-30 ppt, but can be found in completely freshwater to almost pure seawater.	UNLIKELY. Could occur in vicinity but very unlikely in project area.
<i>Strix occidentalis caurina</i> northern spotted owl	FT/ST	Prefers moderate to high canopy closure (60-90%) in mature coniferous forest. Nest in the tops of trees or in cavities of naturally deformed and/or diseased trees	NO POTENTIAL. Habitat not present.
<i>Thaleichthys pacificus</i> eulachon	FE/None	Found in klamath river, mad river, Redwood Creek, and in small numbers in Smith River.	UNLIKELY. Could occur in vicinity but very unlikely in project area.





# Appendix C. Project Pictures

Plate 1. Image of outfall and channel (wetland)



Plate 2. Facing west along trail and back side of WWTF.



Plate 3. Facing northwest toward outfall in August 2018



Plate 4. Project area near outfall in April 2018



Plates 4-7. Wetland below outfall





## Appendix E. Plant List and Data Sheets

### PLANT LIST

**\*Indicates non-native**

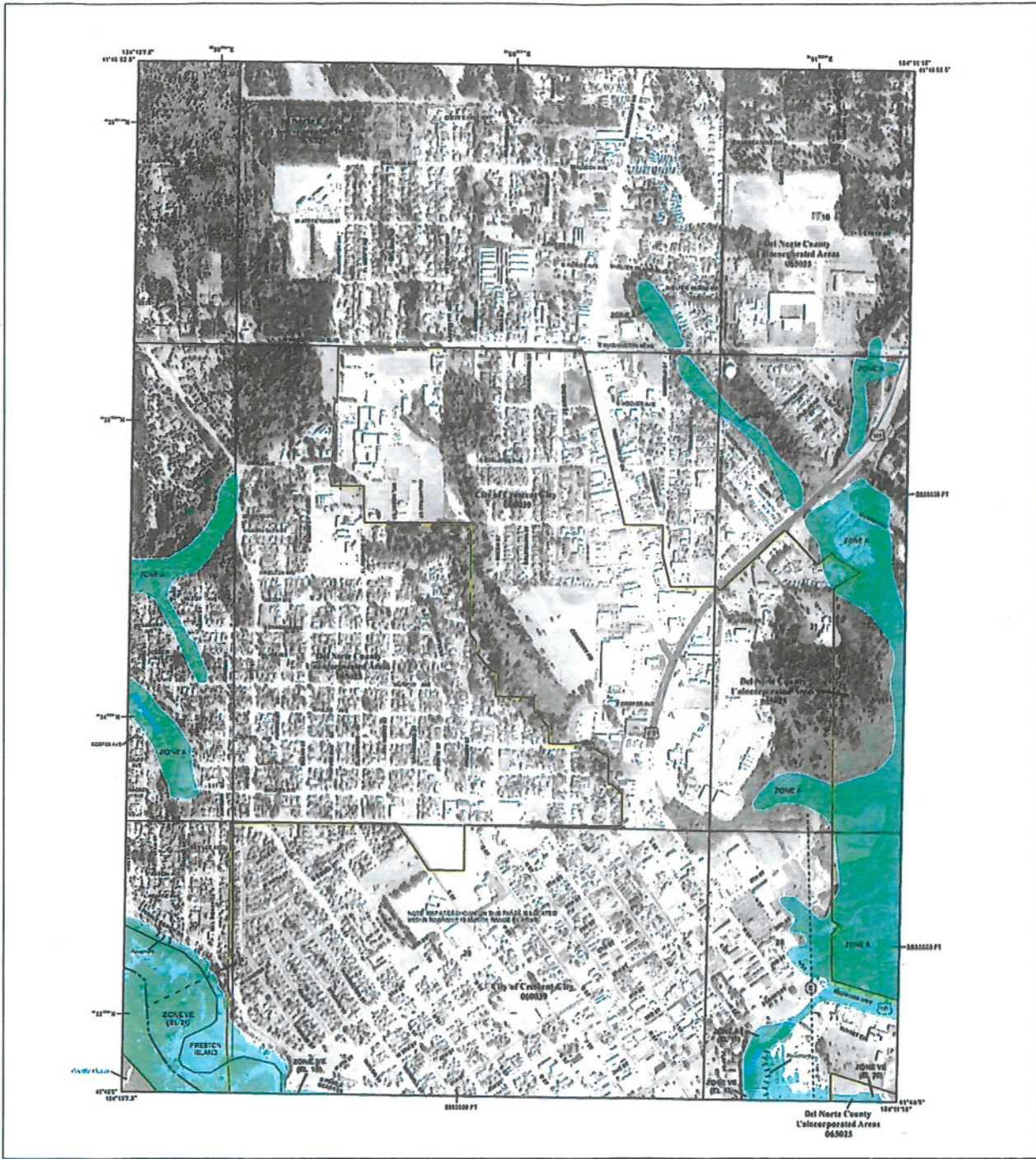
<i>*Alopecurus pratensis</i>	Meadow foxtail
<i>*Anthoxanthum odoratum</i>	sweet vernal grass
<i>*Briza major</i>	Rattlesnake grass
<i>*Carpobrotus chilensis</i>	Sea fig
<i>*Cerastium sp.</i>	chickweed
<i>*Conium maculatum</i>	poison hemlock
<i>*Dactylis glomerata</i>	orchard grass
<i>*Daucus carota</i>	Queen anne's lace
<i>Equisetum telmateia ssp. braunii</i>	giant horsetail
<i>*Festuca perennis</i>	Italian rye grass
<i>*Foeniculum vulgare</i>	sweet fennel
<i>Fragaria chiloensis</i>	Beach strawberry
<i>*Geranium dissectum</i>	cut-leaved geranium
<i>*Holcus lanatus</i>	velvet grass
<i>*Hypochaeris radica</i>	hairy cat's ear
<i>Juncus effusus</i>	bog rush
<i>*Leontodon sp.</i>	
<i>Lomatium spp.</i>	
<i>Lupinus sp.</i>	lupin
<i>*Medicago polymorpha</i>	burclover
<i>Oenothera wolfii</i> or hybrid	<b>Wolf's evening primrose</b>
<i>Morella californica</i>	California wax myrtle
<i>Lathyrus japonicas</i>	<b>Seaside pea</b>
<i>*Trifolium repens</i>	white clover
<i>Pinus contorta</i>	shore pine
<i>*Plantago lanceolata</i>	English plantain
<i>*Ranunculus repens</i>	creeping buttercup
<i>*Raphanus sativus</i>	wild radish
<i>Rosa sp.</i>	Likely Nootka rose
<i>*Rubus armeniacus</i>	Himalayan blackberry
<i>Rubus ursinus</i>	California blackberry
<i>*Rumex acetosella</i>	sheep sorrel
<i>Rumex sp.</i>	dock
<i>Salix hookeriana</i>	Hooker's willow
<i>Salix lasiandra</i>	Pacific willow
<i>Lotus corniculatus</i>	<i>Birdfoot Trefoil</i>











**FLOOD HAZARD INFORMATION**

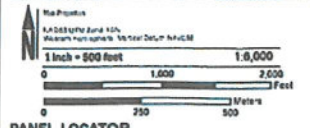
SEE THIS REPORT FOR ZONE DESCRIPTIONS AND INDEX MAP  
 THE INFORMATION DEPICTED ON THIS MAP AND SAU/FORTVUS  
 DOCUMENTATION ARE ALSO AVAILABLE IN DIGITAL FORMAT AT  
[HTTP://FMS.C.FEMA.GOV](http://fmsc.fema.gov)

- Without Base Flood Elevation (BFE) Zone A (1% ACF)
- With BFE or Depth  $T = 2.5, 3.3, 4.4, 5.4, 6.5$
- Regulatory Floodway
- 0.2% Annual Chance Flood Hazard, Areas of 1% Annual Chance Flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
- Future Conditions 1% Annual Chance Flood Hazard Zone X-1
- Areas with Reduced Flood Risk due to Levee See Notes, Zone X-2
- Areas of Minimal Flood Hazard Zone X-3
- Areas of Undetermined Flood Hazard Zone X-4
- Channel, Culvert, or Storm Sewer Approved or Provisionally Accredited State, Dike, or Floodwall
- Non-accredited Levee, Dike, or Floodwall
- Cross Section with 1% Annual Chance Water Surface Elevation (WSE)
- Coastal Florevent
- Coastal Inland Beachline
- Profile Boundary
- Hydrographic Feature
- Base Flood Elevation Line (BFE)
- Line of Study
- Jurisdiction Boundary

**NOTES TO USERS**

For information and guidance, users should refer to the available products associated with the FIRM including various versions of the FIRM, the FIRM database, or the National Flood Insurance Program or other data source that provides more information at [www.fema.gov](http://www.fema.gov) or [www.flood.gov](http://www.flood.gov). Users should also refer to the National Flood Insurance Program's website for information on the National Flood Insurance Program's policies and procedures. The information on this map is based on the most current data available at the time of publication. The information on this map is for informational purposes only and should not be used as a basis for any decision. The information on this map is not intended to be used as a basis for any decision. The information on this map is not intended to be used as a basis for any decision.

**SCALE**



**PANEL LOCATOR**



**NATIONAL FLOOD INSURANCE PROGRAM**  
 FLOOD INSURANCE MAP PANEL  
 DEL NORTE COUNTY, CALIFORNIA  
 And Incorporated Areas  
 Panel 214 of 676

COMMUNITY	AUTODIN	PANEL	SHEET
CRESCENT CITY	060039	0214	F
CITY OF DEL NORTE COUNTY	060025	0214	F

VERSION NUMBER: 2.3.2.0  
 MAP NUMBER: 06019C0214F  
 MAP INCHES: August 2, 2017



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**A Cultural Resources Investigation Report for the Crescent City Storm Drain Project  
Del Norte County, California**



*Prepared by:*  
Melinda Salisbury B.A. and James Roscoe, M.A.

Roscoe and Associates  
Cultural Resources Consultants  
3781 Brookwood Drive  
Bayside, CA 95524

*Prepared for:*  
Eric Taylor  
Associate Planner – Planning Department  
Crescent City, City Hall  
377 J Street  
Crescent City, CA 95531

October 2018

*12.4 Acre Cultural Resources Survey Coverage  
7.5' USGS Crescent City and Sisters Rocks CA quadrangles*

---





Reference: 011078

September 29, 2011

Howard Michael  
Drake Haglan and Associates  
11060 White Rock Road, Suite 200  
Rancho Cordova, CA 95670

RECEIVED

OCT 11 2011

CITY OF CRESCENT CITY

**Subject: Geotechnical and Geophysical Evaluation, Front Street, Crescent City, California**

Dear Howard:

SHN Consulting Engineers & Geologists, Inc. (SHN) is pleased to submit this report for geotechnical consulting services relating to the City of Crescent City's Front Street improvement project. Front Street, shown on Figure 1, has been a prominent commercial and historic thoroughfare since its construction in the mid-1800s. Since about the mid-1980s, the structural section of the street has deteriorated. As part of the reconstruction, it is necessary to evaluate the cause of the deterioration and determine what improvements need to be made to rehabilitate the pavement section or supporting subgrade soil.

Prior to 1964, Front Street overlooked the ocean and natural harbor. Following the tsunami of that year, a park was constructed south of Front Street. It is unclear what hydraulic effect the park had on the performance of the pavement. During road repairs over the past several years, five to seven buried logs have been exposed and were either completely or partially removed. Those areas are delineated by patched surfaces along Front Street, generally between K Street and between F and G Streets. In addition, City Engineering personnel have reported settling and deformation of newer improvements including the 36-inch storm drain pipe and associated manholes.

## Geotechnical Evaluation

Our objective in this study was to use geophysical techniques to map subsurface anomalies for the purpose of detecting buried logs or other unsuitable material that might cause the distress, and to evaluate the existing pavement structural section and underlying subgrade for adequate support. Our work scope is based on our proposal dated April 8, 2011. Our approach and scope of work are as follows.

- a) Conduct a Ground Penetrating Radar (GPR) survey of the road alignment to determine generalized areas where soft soil or obstructions may be present and, if possible, to identify areas where there are structural pavement or subgrade sections that are different.
- b) Excavate 12 shallow pavement cores and hand auger borings to a depth of at least three feet to identify pavement or concrete thickness, thickness and characteristics of the aggregate base material, and characteristics of the underlying subgrade soils.
- c) For pavement design, perform R-value tests of composite aggregate base and subgrade soils. The tests follow appropriate Caltrans and American Society of Testing and Materials-International (ASTM) standards.



## Air Monitoring Report for September 2018

### Air Monitoring Data Summary:

The purpose of this status report is to summarize the ambient air quality data available for the period of April-June 2018.

- There were no Federal Equivalent Method (FEM) PM<sub>10</sub> exceedances of State or Federal Ambient Air Quality Standard recorded during the period.
- There were no exceedances of State and Federal Ambient Air Quality Standard recorded during the period.
- There were no non-FEM PM<sub>2.5</sub> 24 Hour exceedances of the State and Federal Ambient Air Quality Standard recorded during the period in Weaverville. There were no FEM PM<sub>2.5</sub> 24-hour exceedances of the State and Federal Ambient Air Quality Standards recorded in Eureka or Crescent City during the period.
- There were no O<sub>3</sub>, SO<sub>2</sub>, NO<sub>2</sub>, or CO exceedances of the State or Federal Ambient Air Quality Standard recorded during the period.

### Particulate Levels in Relation to CA Ambient Air Quality Standards

	Jacobs	Humboldt Hill	Crescent City	Weaverville
Max FEM 24-hour PM <sub>10</sub> (April-June 2018)	86%	NA	NA	NA
FEM PM <sub>10</sub> Rolling Arithmetic Mean (July 2017 -June 2018)	97%#	NA	NA	NA
Max FRM 24-hour PM <sub>2.5</sub> April 2017-June 2018	39%	24%	NA	NA
FRM PM <sub>2.5</sub> Rolling Arithmetic Mean (July 2017 – June 2018)	69%	44%	NA	NA
Max FEM 24-hour PM <sub>2.5</sub> (April-June 2018)	NA	NA	41%	60%*
FEM PM <sub>2.5</sub> Rolling Arithmetic Mean (July 2017-June 2018)	NA	NA	61%	126%*#

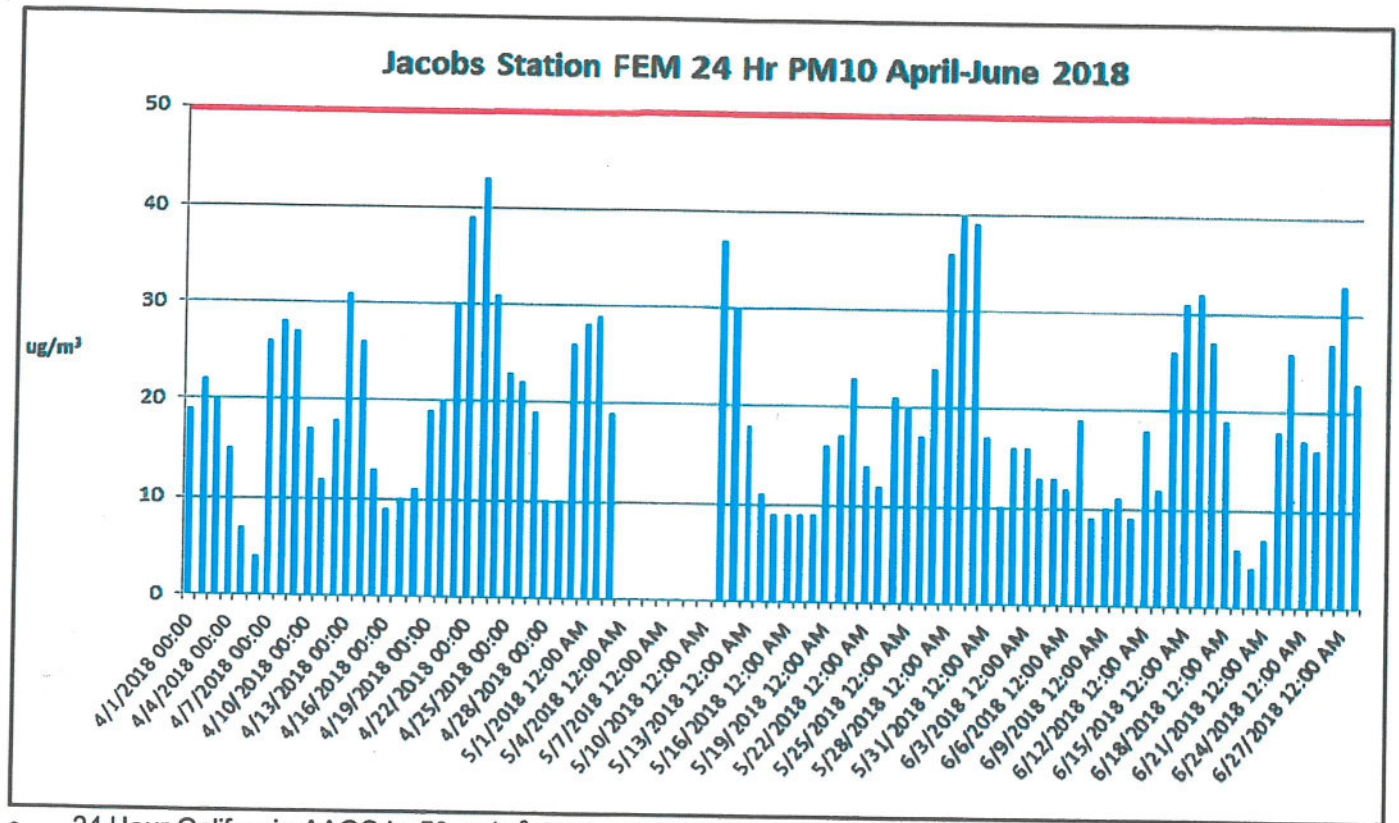
-Data unavailable

\* Instrument not used for Federal Attainment Designation

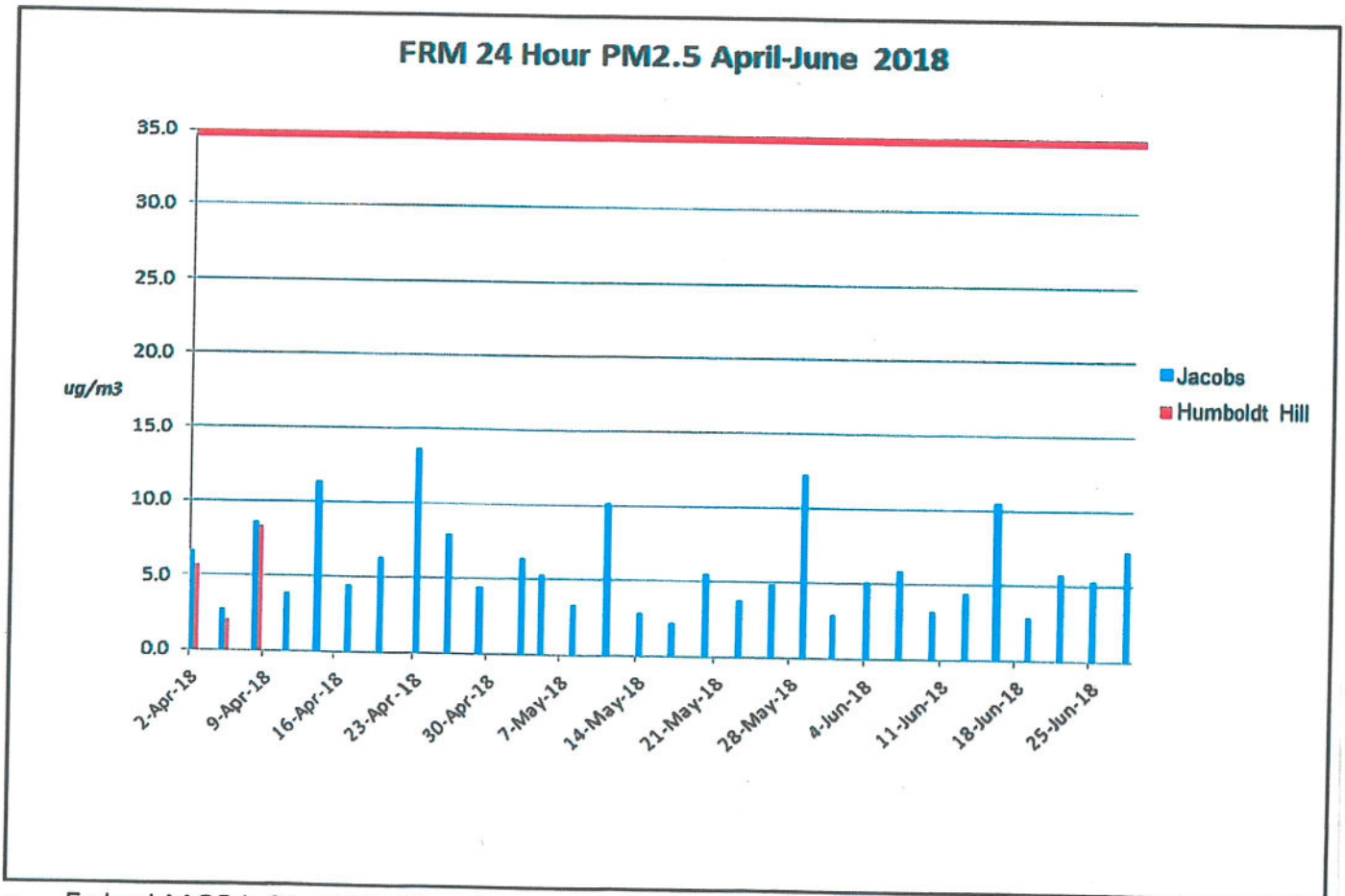
# Wildfire Smoke Impacts included (Exceptional Event Exclusion)



Detailed Graphs:



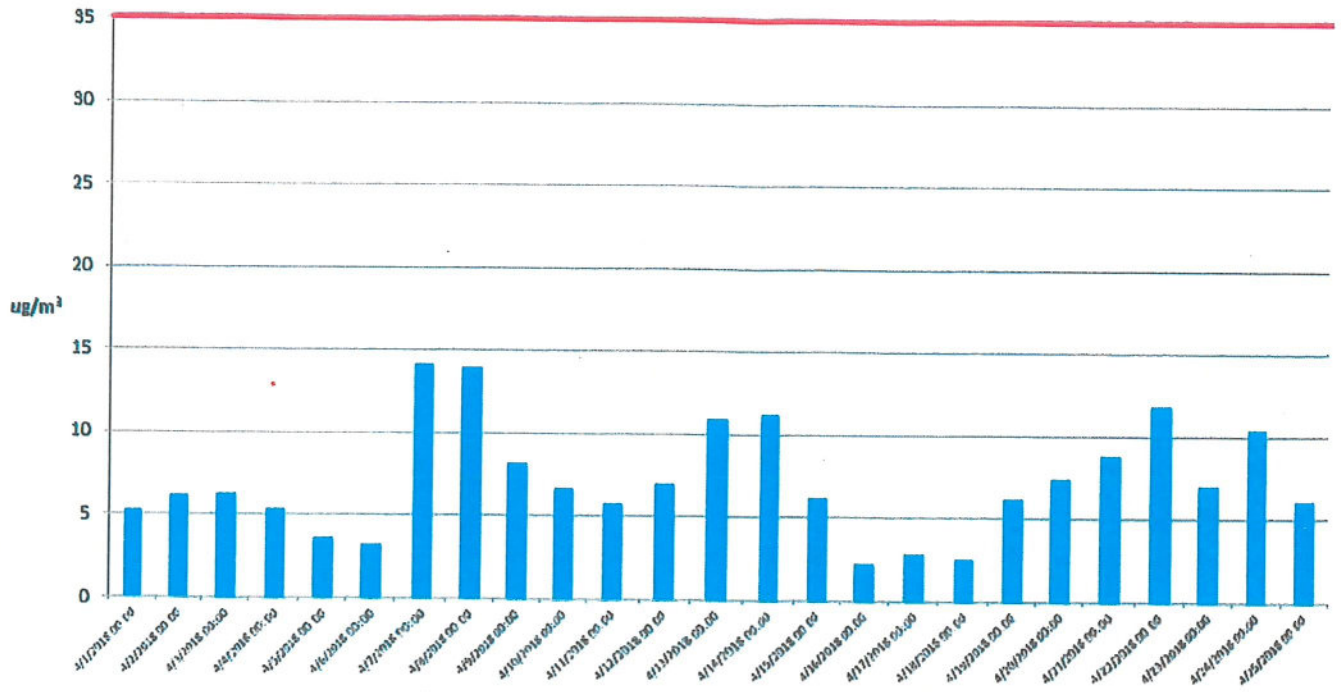
- 24 Hour California AAQS is 50 ug/m<sup>3</sup>, Federal AAQS is 150 ug/m<sup>3</sup>.
- California Annual Arithmetic Mean AAQS is 20 ug/m<sup>3</sup>.
- Humboldt County is classified as non-attainment for this pollutant.



- Federal AAQS is 35 ug/m<sup>3</sup>. There is no separate state standard.

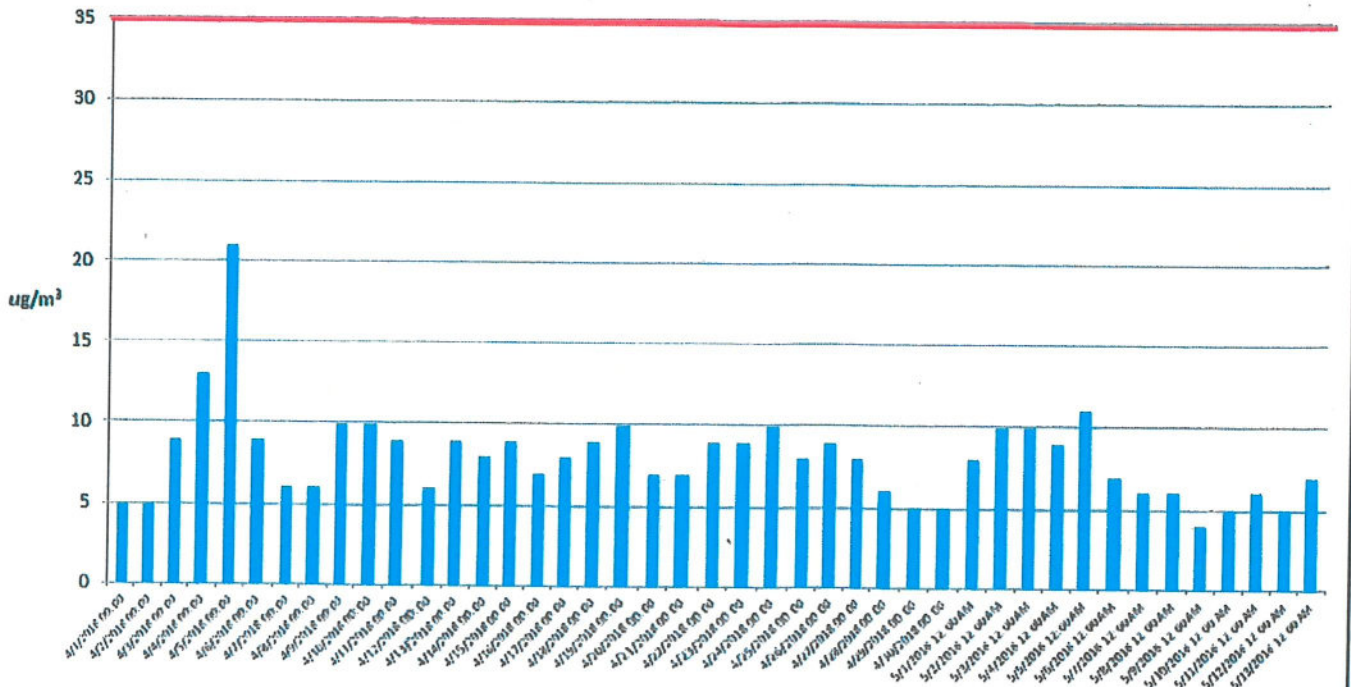


### Crescent City Station FEM 24 Hr PM2.5 April 2018



- Federal AAQS is 35 ug/m3. There is no separate state standard.

### Weaverville Station Non-FEM 24 Hr PM2.5 April-May 2018



- Federal AAQS is 35 ug/m3. There is no separate state standard.



# GEO TRACKER

[INFO](#)

## Cleanup Sites

- LUST Cleanup Sites
- Cleanup Program Sites
- Military Cleanup Sites
- ▲ DTSC Cleanup Sites

## Permitted Facilities

- Waste Discharge Requirements (WDR) Sites
- Permitted USTs - [INFO](#)
- ▲ DTSC Hazardous Waste Sites
- Land Disposal Sites
- Irrigated Lands Regulatory Program Sites
- Oil / Gas Sites
- Confined Animal Sites

## Other Sites

- Project Sites
- Non-Case Information Sites
- Sampling Points - Public
- Field Points

SIGNIFIES A CLOSED SITE

[TAKE A TOUR](#)

[VIEW ON GAMA](#)

crescent city

Map Address

Crescent City, CA, USA

LIMIT TO SITES WITHIN  FEET OF THIS LOCATION

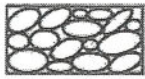


200 m

Map | Report a map error

STEP 1 CURRENTLY VISIBLE ON MAP





BLUE ROCK  
ENVIRONMENTAL, INC.

Mr. Paul Nelson  
NCRWQCB  
5550 Skylane Boulevard, Suite A  
Santa Rosa, CA 95403

December 27, 2017

**Re: Additional Site Characterization Report of Findings**  
Former Otten Distribution Bulk Plant  
105 D Street, Crescent City, CA  
NCRWQCB No. 1NDN015  
Blue Rock Project No. NC-155

Dear Mr. Nelson,

This report presents the results of additional investigation of the lateral definition of MTBE in groundwater associated with the site at 105 D Street, Crescent City, Del Norte County, California (site) (Figure 1). This report was prepared for C. Renner Petroleum by Blue Rock Environmental, Inc. (Blue Rock). This work was proposed in Blue Rock's *Workplan Addendum for Additional Site Characterization* dated February 7, 2017 which was concurred with by the North Coast Water Quality Control Board (NCWQCB) in a correspondence dated February 16, 2017.

## **Background**

### Site Description

The site is located on the southern side of D Street, between Front and 2<sup>nd</sup> Streets, in Crescent City, California (Figure 1). The site is an active fuel service station dispensing gasoline and diesel fuels from eight above-ground storage tanks (ASTs) that are routed below ground to three fuel dispenser islands (Figure 2). The site is served by public utilities for drinking water and sewer disposal. Surrounding land use is mixed commercial and residential.

### Diesel Release - 1990

A surface release of diesel fuel from a 2,000-gallon AST was confirmed on April 2, 1990, during the removal of the AST located in the center-rear portion of the site (Figure 2). Laboratory results of two surface soil samples reported total petroleum hydrocarbons as diesel (TPHd) at concentrations up to 7,700 parts per million (ppm).



#### Summary of Initial Corrective Action

As an initial corrective action, excavation was proposed to remove the diesel-impacted soil. Approximately 10 cubic yards of impacted soil was initially excavated. Confirmation soil sampling analysis detected TPHd was still present at concentrations up to 7,400 ppm. As a result, approximately five additional cubic yards of impacted soil was excavated. All excavated soil was stockpiled onsite pending future bioremediation treatment. Final confirmation soil sample analysis detected a maximum residual concentration of TPHd of 6.1 ppm, confirming that impacted soil was effectively removed.

In a January 7, 1994 correspondence, BB&A Environmental (BB&A) proposed to collect soil and groundwater samples from a temporary soil boring proximal to the excavation zone to assess if petroleum hydrocarbon impact extended beyond the excavation limits. Furthermore, in a February 4, 1994 correspondence, the North Coast Regional Water Quality Control Board (NCRWQCB) requested an additional soil boring to assess if petroleum impact was present near a 1,000-gallon gasoline underground storage tank (UST), which had been previously abandoned in place.

In response, on March 10, 1994, BB&A completed two soil borings, B1 and WCC-B1, near the abandoned gasoline UST and the former diesel AST, immediately north of the large AST battery on-site (Figure 2). Soil and groundwater samples were collected from both borings and analyzed for gasoline-range and diesel-range hydrocarbons (TPHg/TPHd) and volatile aromatic hydrocarbons including benzene, toluene, ethylbenzene, and xylenes (BTEX). The laboratory results reported TPHg and TPHd impacts were present in both soil and groundwater. BTEX compounds were also detected in groundwater with a maximum benzene concentration of 17,000 parts per billion (ppb) at boring B1 adjacent to the abandoned gasoline UST.

#### Summary of Investigation Activities

Site investigations conducted since 1994 have included the completion of 5 temporary borings, 3 soil vapor extraction wells, 1 air-sparge well, and 11 groundwater monitoring wells. The locations of these investigation points are shown on Figure 2. Monitoring well construction data are presented in Table 1 and cumulative soil and groundwater data are summarized in Tables 2 through 5.

#### Summary of Soil Vapor Extraction / Air Sparge (SVE/AS) Activities

A soil vapor extraction/air-sparge (SVE/AS) remediation system began operating at the site in April 1995 and continued through June 1998. Documentation of SVE/AS activities and data, however, is incomplete. According to reports available on the SWRCB GeoTracker website and on file at the NCRWQCB, the SVE system removed approximately 30 lbs of hydrocarbons. Following a review of the remedial system effectiveness, the NCRWQCB approved suspending SVE on July 1, 1998.



### Sensitive Receptor Survey Summary

A 1,500-foot radius sensitive-receptor survey was performed by BB&A in 2002. The survey identified four properties with domestic wells, however, all four wells were located greater than 1,000 feet from the site and generally upgradient. No other sensitive receptors were identified.

### Summary of Petroleum Type

Chemicals released to the subsurface at the site consist of petroleum hydrocarbons. Laboratory analysis of soil and groundwater samples have reported various concentrations of TPH as motor oil (TPHmo), TPHd, TPHg, VOCs including BTEX, fuel oxygenates MTBE and TAME, and select semi-volatile organic compounds (SVOCs). Impact primarily consists of TPHd, TPHg, BTEX, and fuel oxygenate compounds (Table 4).

### Physiography and Hydrogeology

The site is situated in the coastal plain within Crescent City limits at an elevation of approximately 15 feet above mean sea level. The site is mostly underlain by Quaternary Alluvium deposits (Q) consisting of older alluvium, playa, and terrace deposits. Regional geology is likely influenced by tectonic activity as the Cascadia Subduction Zone (CSZ) and numerous northwest to southeast oriented low angle faults are located offshore of Crescent City.

Based on previous investigations, the subsurface generally consists of silty and sandy clays to approximately four feet below ground surface (ft bgs), extending locally up to 10 ft bgs. This is underlain by fine to medium grained sand extending to the contact with the underlying bedrock unit encountered between 13 to 15 ft bgs.

Groundwater is generally encountered at approximately 2 to 5 ft bgs and groundwater flow direction has historically been reported varying from north to east at gradients between 0.001 and 0.023 foot per foot (ft/ft). In general, groundwater flow typically follows local topography. However, at this site, the groundwater flow direction has appeared opposite of what surface topography would suggest. In previous reports, this occurrence has been attributed to several sand bodies potentially acting as preferential pathways affecting localized groundwater flow beneath the site. Groundwater flow during recent events has generally been toward the east at gradients between approximately 0.0095 and 0.063 foot per foot (ft/ft).

### Monitoring and Reporting Program

There are nine groundwater monitoring wells at the site: MW-1 through MW-7, MW-10, and MW-11. Per the Monitoring and Reporting Order number (MRP) R1-2012-0023, site wells have been designated as either core wells (MW-1, MW-2, MW-4 to MW-6, and MW-10) or non-core wells (MW-3, MW-7, and MW-11). All wells are monitored semi-annually. All wells are sampled in the April event, however only core monitoring wells are sampled in the September event.



## **Downgradient Investigation Activities**

### Proposed Scope of Work

The purpose of the work described herein was to further evaluate the distal and vertical extent of dissolved-phase contamination, specifically MTBE, at the site. As noted by the NCRWQCB, due to increasing concentrations of MTBE in MW-10, there is potential that MTBE has migrated to locations where previous groundwater sampling data are outdated (i.e. data from P-1 and P-2 in 2011). This was completed through the collection of depth discrete groundwater samples at three locations (B-4 through B-6) southeasterly of the site (Figure 2). The tasks completed during this phase of work include:

- At each drilling location utilizing a Hydropunch®, collect depth-discrete grab groundwater samples from individual borings at depths of:
  - 4-8 ft bgs,
  - 8-12 ft bgs,
- Collection of groundwater samples from borings for laboratory analysis.
- Preparation of this report.

### Permitting

Prior to drilling, Blue Rock obtained soil boring permit from the Del Norte County of Environmental Health. An encroachment permit was obtained from the City of Crescent City to drill in the right-of-way. Prior to drilling, the drilling locations were marked in white paint and Underground Service Alert was notified to identify utilities proximal to the proposed drilling locations. Blue Rock also prepared a site specific Health and Safety Plan.

### Drilling Activities

On November 2, 2017 a Blue Rock scientist, working under the direction of a California Professional Geologist at Blue Rock, supervised all drilling and sampling activities. Drilling was performed by a C-57 licensed driller using a truck-mounted direct-push drill-rig equipped with two and a quarter-inch diameter hydropunch tool. After subsurface utility clearance, two individual boreholes approximately 1 foot apart were drilled at each location and one depth discrete grab groundwater samples was collected from each borehole to reduce the likelihood of cross contamination. At the first boring for each drilling location, a hydropunch tool was driven directly to the depth of 8 ft bgs to sample the depth interval 4-8 ft bgs, then the tool was removed, decontaminated. At the second boring for each drilling location, a hydropunch tool was driven directly to the depth of 12 ft bgs to sample the depth interval 8-12 ft bgs, then the tool was removed, decontaminated. A total of 6 grab groundwater samples were retained for laboratory analysis were placed in laboratory supplied containers, labeled, documented on a chain-of-custody form, and placed on ice in a cooler for transport to the project laboratory.



#### Grab Groundwater Sample Analysis

A California DHS-certified laboratory analyzed the groundwater samples for concentrations of:

- TPHg by EPA Method 8260B
- BTEX by EPA Method 8260B
- MTBE by EPA Method 8260B
- DIPE, ETBE, TBA, TAME by EPA Method 8260B

Upon completion of sampling, all boreholes were backfilled to the surface with hydrated bentonite and finished at the surface with asphalt. Drill-rod, hand-augers, and sampling devices were decontaminated in an Alconox® wash followed by double rinse in clean tap water to prevent cross-contamination. Rinseate was stored in labeled 55-gallon drums on-site pending removal and disposal.

#### **Downgradient Investigation Results**

##### Soil Types Observed

No soil was collected during this phase of investigation. The hydropunch tool was driven directly to the target depths for the collection of depth discrete grab groundwater samples only. Boring logs B-4 through B-6 are attached.

##### Groundwater Sample Analytical Results

###### Sample Depth 4-8 ft bgs

TPHg concentrations:	<50 µg/L (B-4, B-5, B-6)
Benzene concentrations:	<0.5 µg/L (B-4, B-5, B-6)
MTBE concentrations:	0.57 µg/L (B-4) to 2.7 µg/L (B-5)

###### Sample Depth 8-12 ft bgs

TPHg concentrations:	<50 µg/L (B-4, B-5, B-6))
Benzene concentrations:	<0.5 µg/L (B-4, B-5, B-6)
MTBE concentrations:	7.0 µg/L (B-4) to 10.1 µg/L (B-5)

Cumulative groundwater sample data for TPHg, benzene, and MTBE are shown in Figure 4. Cumulative grab groundwater analytical data are summarized in Table 3 and the laboratory report and chain-of-custody form are attached.



#### Discussion of Distal Extent of Dissolved-Phase Contamination

One of the main purposes of this investigation was to further characterize the southeasterly (general downgradient) extent of the dissolved-phase hydrocarbons as groundwater sampling data from previous borings P-1 and P-2 may not represent current conditions, particularly at the depth interval of 4-8 ft bgs and 8-12 ft bgs as concentrations of MTBE on site exceed water quality objectives. The new borings, B-4 and B-5, were located adjacent to former borings P-1 and P-2. Boring B-6 was located approximately 40 feet southerly of B-5. The borings were placed in these locations to determine if concentrations of dissolved-phase MTBE have increased significantly thus indicating an unstable plume.

Concentrations of all dissolved-phase gasoline range hydrocarbons in B-4 to B-6 were below instrument detection limits with the exception of MTBE. MTBE concentrations at the 4-8 ft bgs depth interval in B-4, B-5 and B-6 (0.57 µg/L, 2.7 µg/L and 1.4 µg/L respectively) were similar to the 2011 groundwater concentrations at the 3-7 ft bgs depth interval in borings P-1 and P-2 (4.3 µg/L and 0.94 µg/L respectively) indicating concentrations below the water quality objective at this depth interval and similar to the 2011 sample data for this depth interval. MTBE concentrations at the 8-12 ft bgs depth interval in B-4, B-5 and B-6 slightly exceeded water quality objective (7.0 µg/L, 10.1 µg/L and 8.9 µg/L respectively).

The downgradient edge of the MTBE plume at the WQO of 5 µg/L for the depth interval of 8-12 ft bgs was estimated by plotting MTBE concentrations versus distance for data sets of MW-2 / and B-5-12ft and extrapolating the slope to the WQO. The MTBE plume edge at the 8-12 ft bgs depth interval (essentially the bedrock surface) is estimated to be located approximately 165 feet north of MW-2 and 15 feet north of B-5-12ft (see attached graph). Concentrations of MTBE appear to attenuate fairly rapidly beyond MW-10.

#### Discussion of Vertical Extent of Dissolved Phase Contamination

Another goal of this investigation was to define the vertical extent of downgradient dissolved-phase impacts previously detected in borings P-1 and P-2 at a depth of approximately 7 ft bgs. The sample results from boring B-4, B-5, and B-6 at a depth of 8-12 ft bgs effectively define the vertical extent of dissolved-phase impacts due to the fact that the samples were collected at the bedrock surface. Generally, MTBE appears to migrate downwards at the source, coming into contact with the bedrock surface and subsequently migrating downgradient.



## Project Status

- Based on the data presented, the lateral and vertical extent of dissolved-phase MTBE is well understood and does not warrant additional monitoring well placement.
- The next groundwater monitoring event is scheduled for mid-April 2018 per MRP R1-2012-0023.

## References

GHD. 2014. *Remedial Action Plan*, 105 D St., Crescent City, California. May 7, 2014.

Bergeson-Boese Associates. 2008. *Update Report - Third Quarter 2006 - Fourth Quarter 2007*, 105 D St., Crescent City, California. April 4, 2008.



### Certification

This report was prepared under the supervision of a California Professional Geologist at Blue Rock. All statements, conclusions, and recommendations are based upon published results from past consultants, field observations by Blue Rock, and analyses performed by a state-certified laboratory as they relate to the time, location, and depth of points sampled by Blue Rock. Interpretation of data, including spatial distribution and temporal trends, are based on commonly used geologic and scientific principles. It is possible that interpretations, conclusions, and recommendations presented in this report may change, as additional data become available and/or regulations change.

Information and interpretation presented herein are for the sole use of the client and regulating agency. The information and interpretation contained in this document should not be relied upon by a third party.

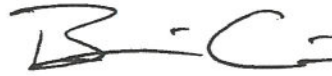
The service performed by Blue Rock has been conducted in a manner consistent with the level of care and skill ordinarily exercised by members of our profession currently practicing under similar conditions in the area of the site. No other warranty, expressed or implied, is made.

If you have any questions, please contact Scott Ferriman at (707) 441-1934 or Brian Gwinn at (650) 522-9292.

Sincerely,  
Blue Rock Environmental, Inc.



Andrew LoCicero  
Project Scientist



Brian Gwinn, PG  
Principal Geologist





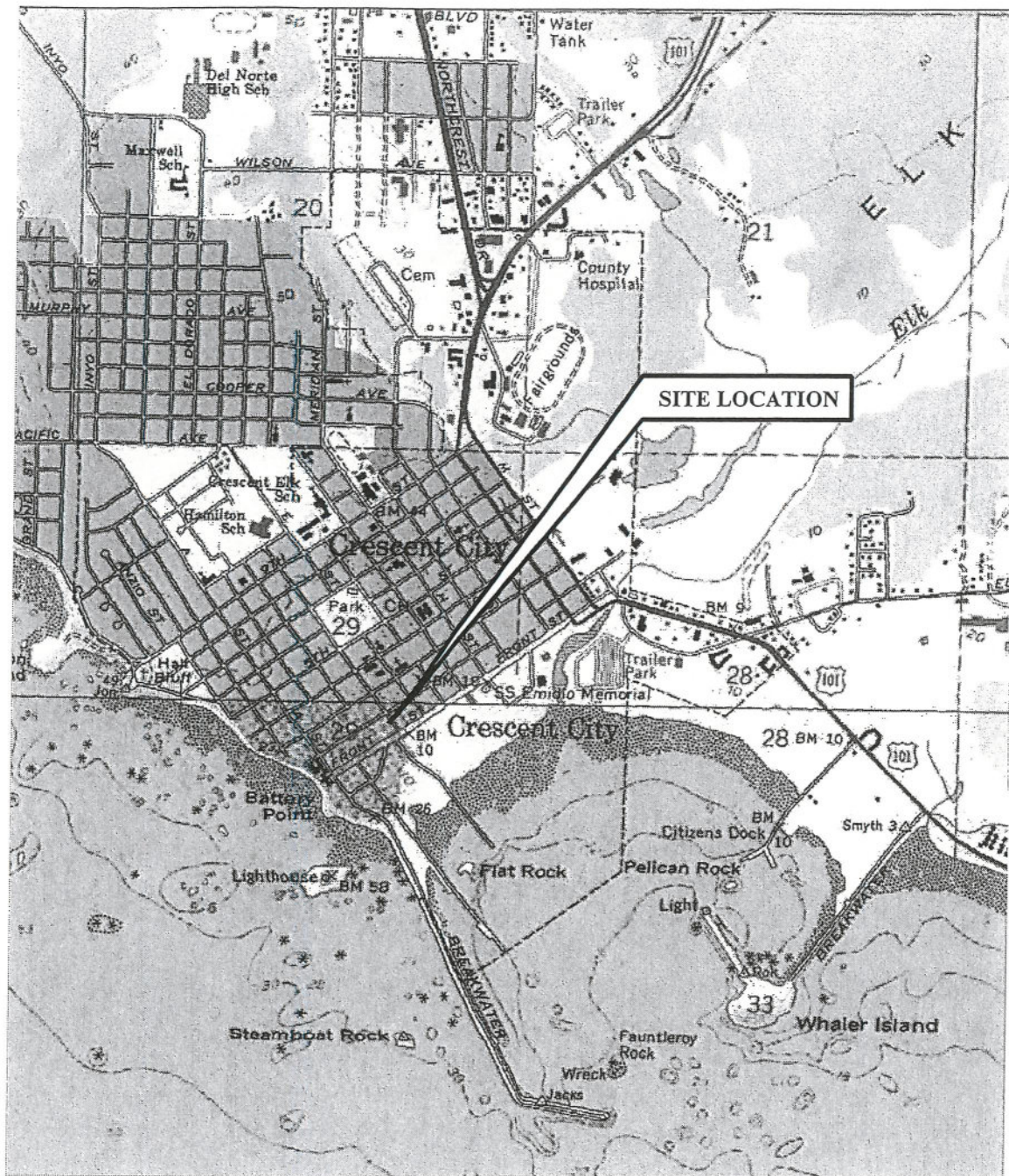
Attachments:

- Table 1: Well Construction Details
- Table 2: Soil Analytical Data
- Table 3: Grab Groundwater Sample Analytical Data
- Table 4: Groundwater Elevations and Sample Analytical Data
- Table 5: Polycyclic Aromatic Hydrocarbon Analytical Data
- Table 6: Groundwater Monitoring Schedule
  
- Figure 1: Site Location Map
- Figure 2: Site Plan
- Figure 3: Groundwater Elevations and Gradient – 9/9/17
- Figure 4: Cumulative MTBE in Groundwater
  
- Chart 1: MTBE Concentration Trend Analysis (MW-2 to B-5)
  
- Boring Logs
  
- Blue Rock's Field Sheet
- Laboratory Analytical Reports including Chain-of-Custody Forms

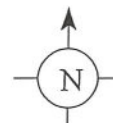
Distribution:

C. Renner Petroleum  
P.O. Box 35  
Crescent City, CA 95531





SOURCE: MyTopo.com



**SITE LOCATION MAP**

Former Otten Distribution Bulk Plant  
105 D Street  
Crescent City, California



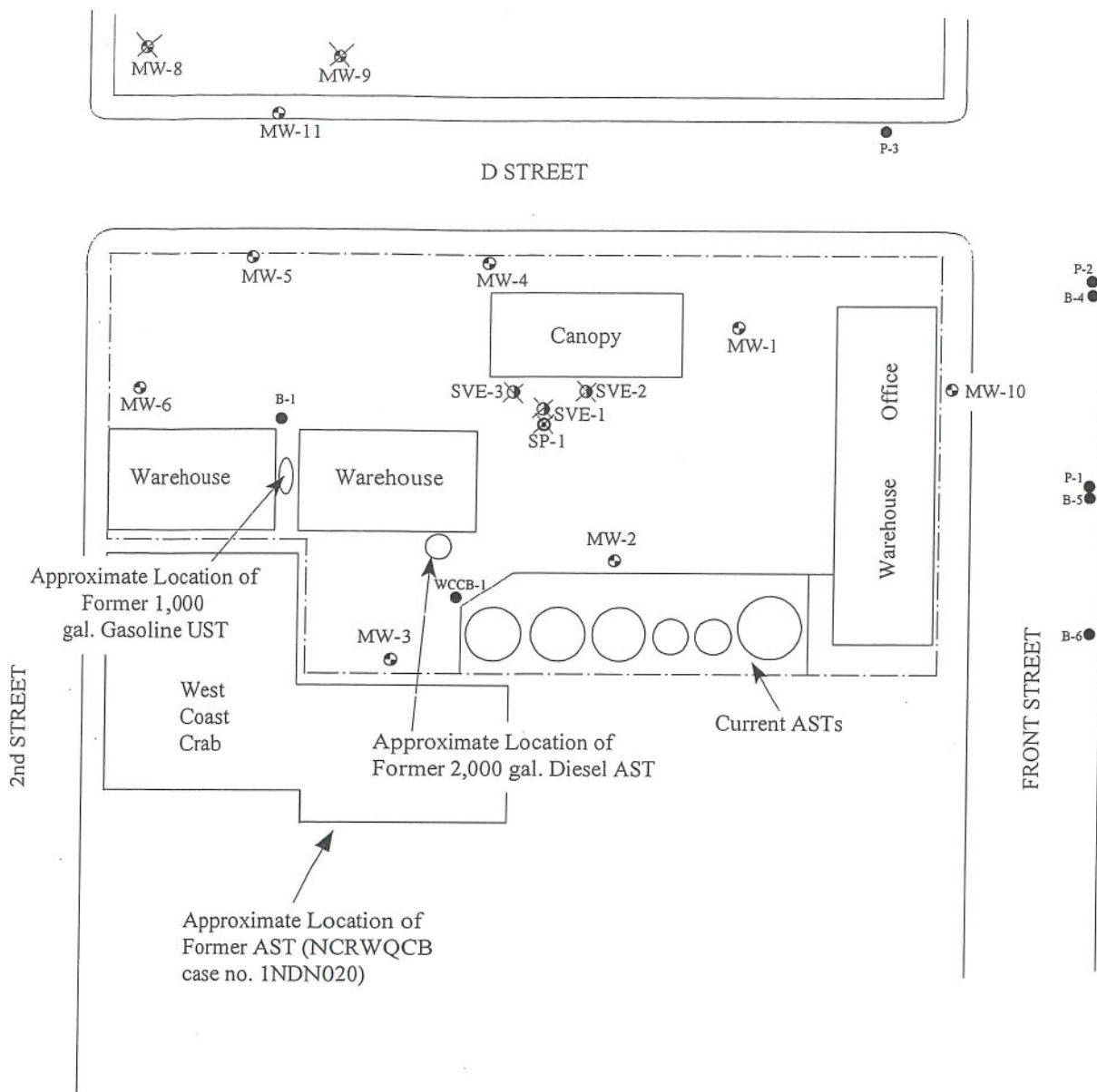
BLUE ROCK  
ENVIRONMENTAL, INC.

Project No.  
NC-155

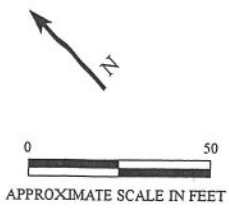
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10/16

Figure  
1

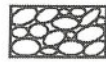




EXPLANATION	
	MONITORING WELL
	DESTROYED MONITORING WELL
	BORING LOCATION
	SOIL VAPOR EXTRACTION WELL LOCATION
	SPARGE POINT LOCATION
	PROPERTY LINE



**Site Plan**  
 Former Otten Distribution  
 Bulk Plant  
 105 D Street  
 Crescent City, California



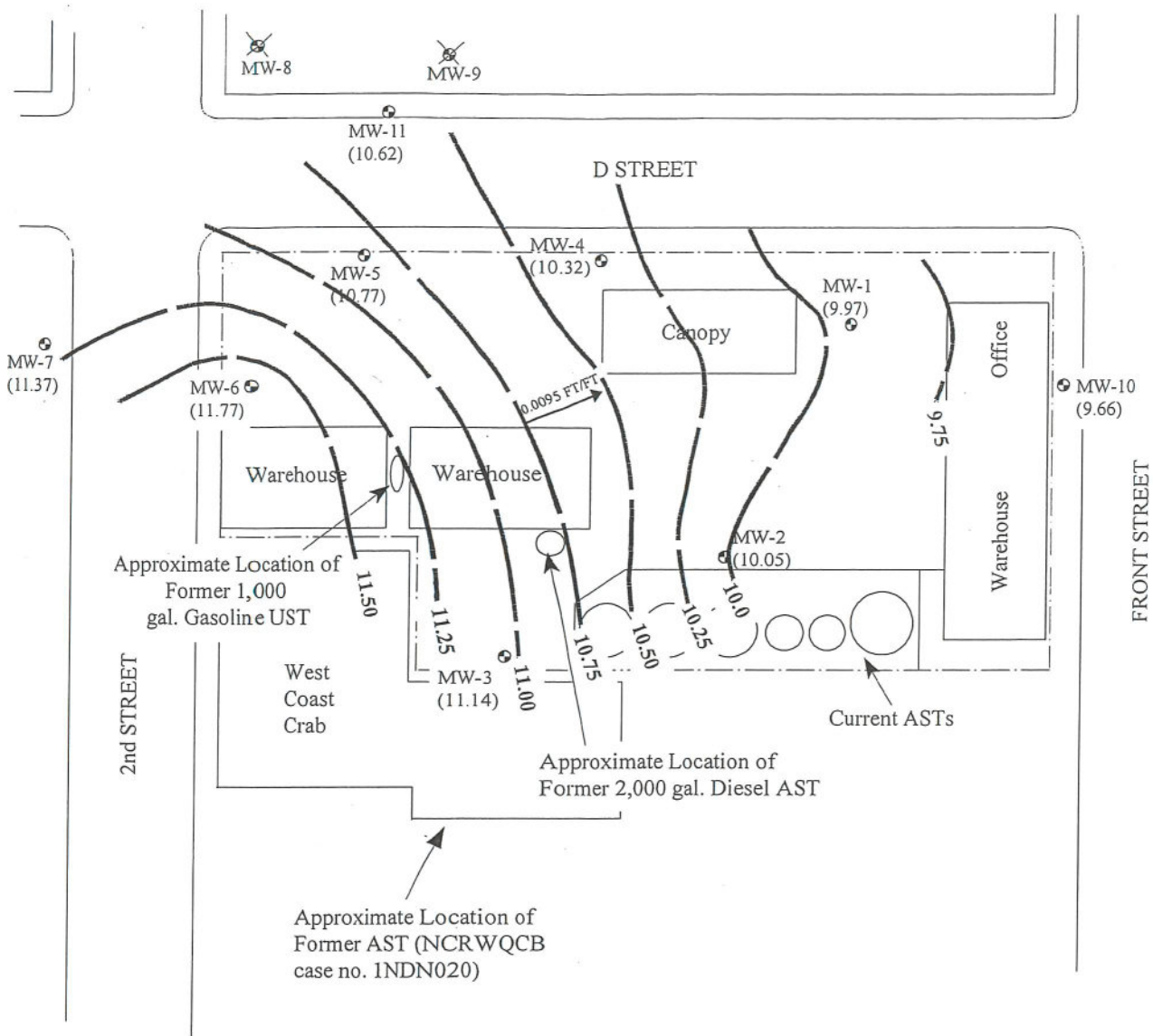
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Project No.  
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Report Date  
12/17

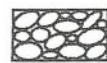
Figure  
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EXPLANATION	
	MW-1 MONITORING WELL
	MW-8 DESTROYED MONITORING WELL
(9.97)	GROUNDWATER ELEVATION (FT MSL)
	10.50 ESTIMATED GROUNDWATER ELEVATION CONTOUR (FT MSL)
	PROPERTY LINE

**Groundwater Elevations  
and Gradient 9/9/17**  
Former Otten Distribution  
Bulk Plant  
105 D Street  
Crescent City, California



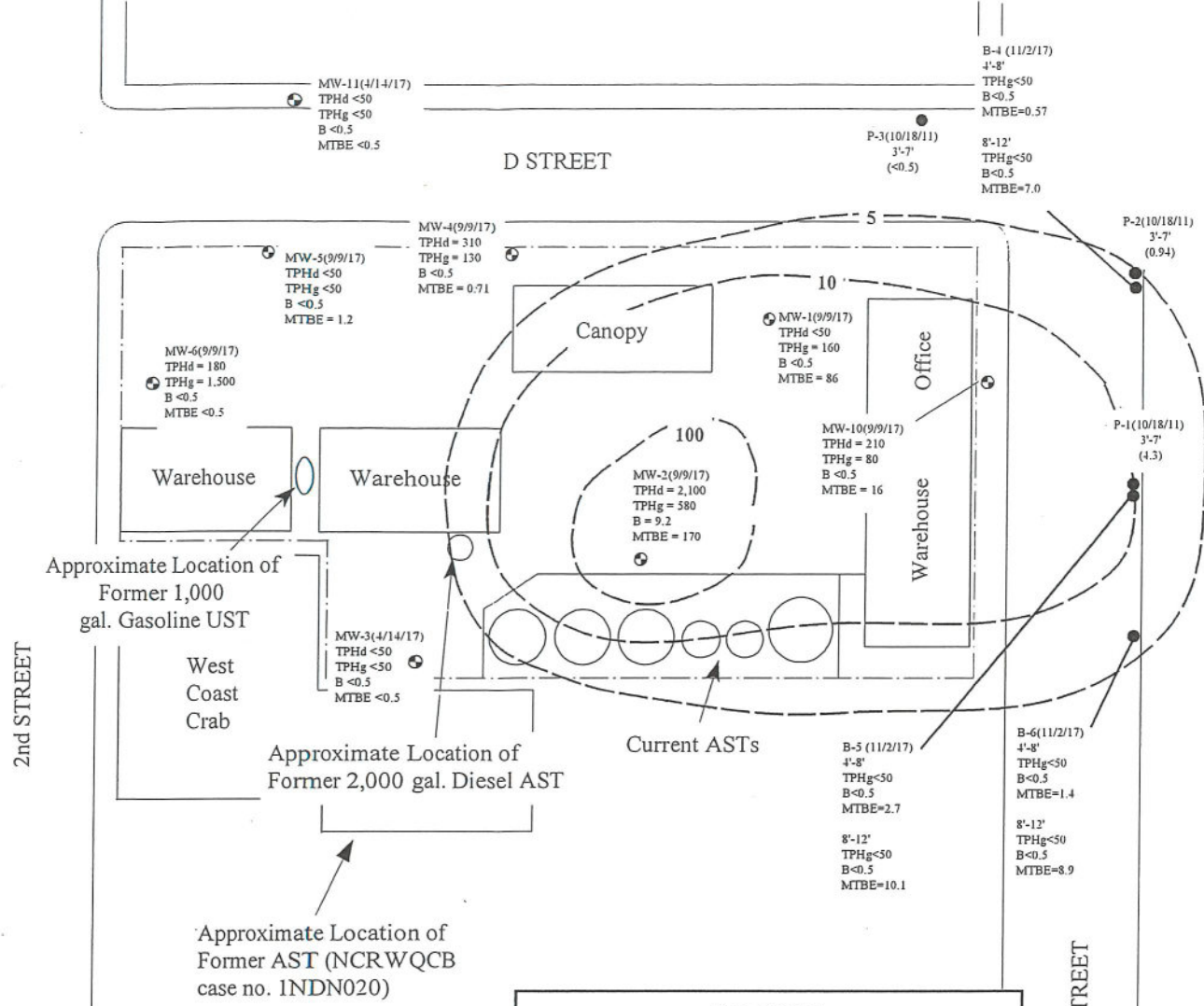
**BLUE ROCK  
ENVIRONMENTAL, INC.**

Project No.  
NC-155

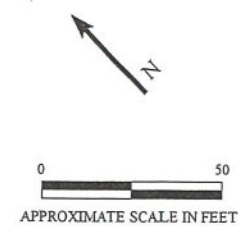
Report Date  
12/17

Figure  
3





EXPLANATION	
	GROUNDWATER ANALYTICAL DATA IN µg/L. TPHg, BENZENE, MTBE BY EPA METHOD 8260B WITH SAMPLING DATE.
	ESTIMATED MTBE ISOCONCENTRATION IN µg/L.
	2011 /GRAB GROUNDWATER SAMPLE WITH MTBE IN µg/L.
	DEPTH DISCRETE GROUNDWATER SAMPLES TPHG, BENZENE, MTBE BY EPA METHOD 5030/8260B. ALL RESULTS IN µg/L. <# INDICATES NON-DETECT ABOVE INSTRUMENT DETECTION LIMITS.



**Cumulative MTBE in Groundwater**  
 Former Otten Distribution  
 Bulk Plant  
 105 D Street  
 Crescent City, California

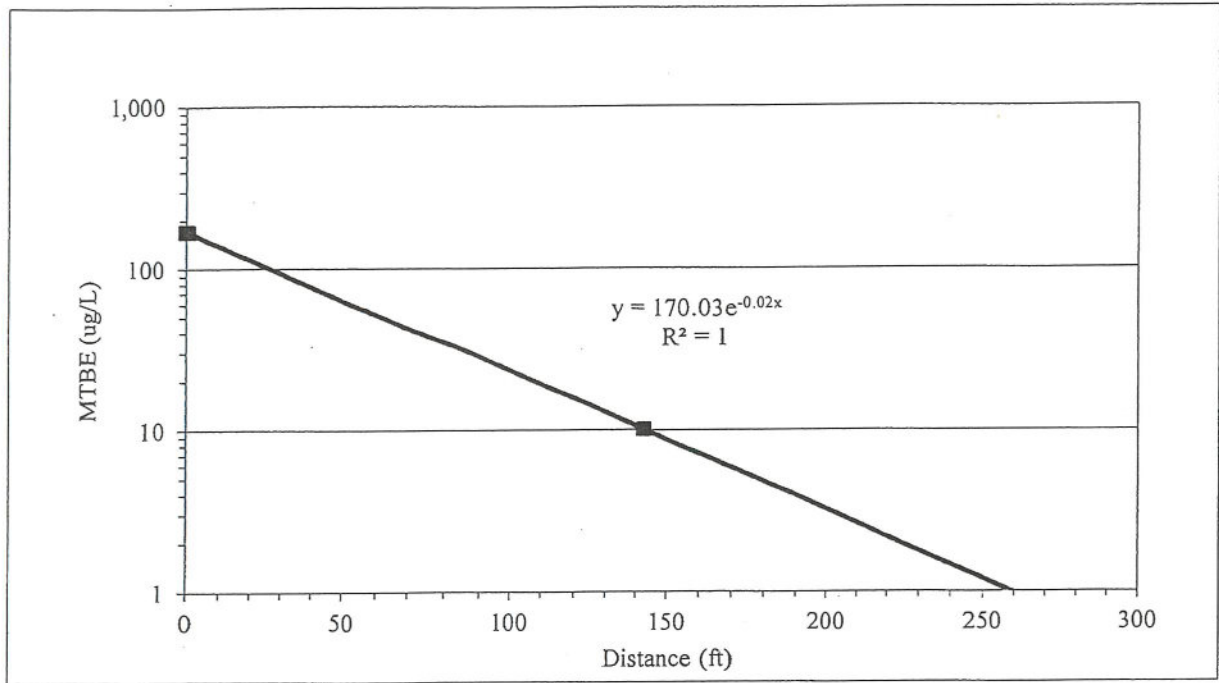
BLUE ROCK ENVIRONMENTAL, INC.

Project No. NC-155	Report Date 12/17	Figure 4
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**Chart 1**  
**MTBE Concentration vs Distance Trend Analysis (MW-2 to B-5)**  
 Former Otten Distribution Bulk Plant  
 105 D Street  
 Crescent City, CA

Well / Boring	Distance from MW-2 (ft)	MTBE (ug/L)	Most recent sample date
MW-2 (5'-13.5')	0.01	170	9/9/2017
B-5 (8'-12')	142.5	10.1	11/2/2017







**CITY OF CRESCENT CITY**

# **General Plan**

## **Background Report**

**May 21, 2001**



