Unified Port
of San Diego

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P.O. Box 120488, San Diego, CA 92112-0488
619.686.6200 • www.portofsandiego.org

SAN DIEGO REGIONAL
WATER QUALITY
CONTROL BOARD
2015 SEP 14 AM 10 10

September 14, 2015

San Diego Regional Water Quality Control Board
2375 Northside Drive, Suite 100
San Diego, CA 92108
Attn: Wayne Chiu

Subject: **Comment - Tentative Order No. R9-2015-0100, Place ID:786088WChiu**

Dear Mr. Chiu:

The San Diego Unified Port District (District) submits the following comments to Tentative Order No. R9-2015-0100 (Tentative Order), which proposes to amend the *National Pollutant Discharge Elimination System (NPDES) Permit and Waste Discharge Requirements for Discharges of Urban Runoff from the Municipal Separate Storm Sewer Systems (MS4) Draining the Watersheds within the San Diego Region* (the Permit). The District continues to support the San Diego Regional Water Quality Control Board's (Regional Board) efforts to develop a Permit that appropriately regulates MS4 discharges in a manner protective of human and ecological health and that addresses the substantial economic and feasibility constraints faced by the Copermittees. The District also appreciates the workshops held by the Regional Board to consider and develop proposed language prior to the issuance of the Tentative Order.

The District reiterates the comments it has made on Order No. R9-2013-001 and Order No. R9-2015-001 and repeats and incorporates by reference these previously submitted comments, which were set forth in letters dated September 14, 2012, January 11, 2013, November 19, 2014, and in the transcript from the hearing that took place before the Regional Board on April 10 and 11 and on May 8, 2013. The District also incorporates by reference its position on the provision identified and addressed in its petition to the State Board, submitted on June 7, 2013 (Petition No. A-2254(o)).

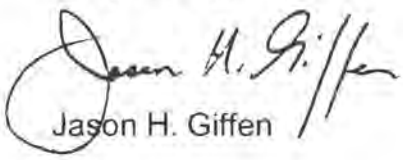
As set forth in these previously submitted comments, the District continues to request that the Regional Board add language to the Permit clarifying that the location of an MS4 facility within the District's jurisdictional boundaries does not, without more, render the District an owner or operator of that facility. Though obvious, this concept is singularly important to the District given its unique status as the trustee of tidelands resources with boundaries that overlap with the Cities of San Diego, National City, Chula Vista, Imperial Beach, and Coronado (member cities). MS4 facilities owned and operated by the member cities traverse District boundaries, many without any storm water contribution from the District. These MS4 facilities were reserved by the member cities in the 1962 conveyances of tidelands properties to the District, and continue to be owned and operated by the member cities (and not the District) to this day. Attachment A includes the 1962 conveyance document for the record.

The law is clear: the District is not responsible for discharges from an MS4 that it does not own or operate, even if a portion of the MS4 falls within its boundaries. *See* 33 U.S.C. 1316(a)(4) ("owner or operator" defined as "any person who owns, leases, operates, controls, or supervises a source"); 40 C.F.R. 122.26(a)(3)(vi) ("Co-permittee need only comply with permit conditions relating to discharges from the municipal separate storm sewers *for which they are operators*.") (emphasis added); State Board, Order No. WQ 2015-0075, at 66 ("Permittees that have commingled MS4 discharges need only comply with permit conditions relating to discharges from the MS4 *for which they are owners or operators*.") (emphasis added). Indeed, as the Permit recognizes, "[t]he federal regulations make it clear that the Copermittees need only comply with permit conditions relating to discharges from the MS4s for which they are operators (40 CFR 122.26(a)(3)(vi))."

Despite the clarity of the law, there has been substantial confusion as to the District's responsibility for MS4 facilities within its boundaries that are owned and operated by other Copermittees. For example, the District has been named to Draft Investigative Order R9-2015-0058, which pertains to an investigation of sediment quality in the Mouth of Chollas Creek, based on its status as an MS4 Copermittee—despite the fact that the District does not own or operate any portion of the MS4 that discharges into Chollas Creek.[1] As stated above, it would be improper to name the District to an investigative order based solely on its status as MS4 Copermittee. Yet it has become clear that without the clarifying language requested by the District, the Regional Board and others may look to the District to take responsibility for MS4 facilities that it does not own or operate and, thus, cannot legally control.

Thank you again for this opportunity to provide comments on the Tentative Order. If you have any questions please contact Karen Holman at (619) 725-6073 or via email at kholman@portofsandiego.org.

Respectfully,



Jason H. Giffen

D2#1035048
cc: Randa Coniglio, John Bolduc, John Carter, Karen Holman, Paul Brown
Attachments:
Attachment A: February 16, 1963, City of San Diego Conveyance Document and Drawings (CD)
Attachment B: July 30, 2015 District Comment Letter on Mouth of Chollas Creek Draft Investigative Order R9-2015-0058

[1] The District attaches and incorporates by reference its July 30, 2015 comments on Draft Investigative Order R9-2015-0058 (Attachment B to this letter).

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3165 Pacific Highway, San Diego, CA 92101
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July 30, 2015

Sean McClain
California Regional Water Quality Control Board
San Diego Region
2375 Northside Drive, Suite 100
San Diego, CA 92108

Subject: San Diego Unified Port District Comments on Mouth of Chollas Creek-Draft Investigative Order R9-2015-0058

Dear Mr. McClain,

The San Diego Unified Port District ("District") appreciates the opportunity to submit comments on Investigative Order No. R9-2015-0058, Pertaining to an Investigation of Sediment Quality in the Mouth of Chollas Creek, dated June 1, 2015 ("draft Order").

The District supports the Regional Board's continued efforts to identify and eliminate sources of contamination impacting San Diego Bay (the "Bay"), including those that might exist within the Mouth of Chollas Creek and the Chollas Creek Tidal Prism ("Investigation Area"). As you know, the District acts as the public trustee and steward of its tidelands properties located in and adjacent to the Bay and works collaboratively with the Regional Board to ensure the health of Bay's ecosystems and their ability to sustain beneficial uses.

As set forth below, the District disputes the draft Order's findings regarding the District's responsibility for waste discharges to sediment within the Mouth of Chollas Creek and the Tidal Prism. Contrary to the draft Order's findings, the District does not own or operate the municipal separate storm sewer system ("MS4") that discharges storm water runoff to the Investigation Area, and does not own or operate any facilities that could reasonably be viewed as a source of Investigation Area contamination. Though the District fully supports the investigation of Chollas Creek Mouth and Tidal Prism sediments and asks that the Regional Board ensure contamination is eliminated, the parties responsible for the contamination should bear the cost and burden of its investigation and removal.

The District is submitting the following comments regarding factual findings of land ownership[1], corrections to the draft Order, and general points which have been coordinated with the other stakeholders on the draft Order's structure and timing.

1. <u>The Order Should Not Be Directed To The District.</u>

   a. The District Does Not Own Or Operate Any MS4 That Discharges Into the Investigation Area

[1] The District previously provided the Regional Board with information detailing the ownership and control over the Mouth of Chollas Creek and discharges to the same in the District's comment letters and technical report submitted to the Regional Board on April 8 and December 20, 2013. The District's expert, Robert Collacott, also testified to the fact that the District does not own or operate any portion of the Municipal Separate Storm Sewer system ("MS4") that discharges to this area during the administrative proceedings leading up to Regional Board Order No. R9-2012-0024. These prior submissions and related briefs and petitions are incorporated by reference.

The draft Order incorrectly states that the Mouth of Chollas Creek "receives discharges from the municipal separate storm sewer systems (MS4s) of ... the [District]" and that the District "own[s] and/or operate[s] MS4s that discharge storm water runoff directly into Chollas Creek." (draft Order Findings 7 & 10). Additionally, the draft Order (Finding 3) incorrectly identifies the Chollas Creek Tidal Prism area as ".immediately adjacent to San Diego Bay under the jurisdiction of the San Diego Unified Port District and the U.S. Navy (Naval Base San Diego)."

The District does not own or operate any portion of the MS4 that discharges into the Investigation Area. Rather, the only MS4 located within the District's jurisdiction that discharges into Chollas Creek is owned and operated by the City of San Diego ("City"), which runs beneath 28th Street to outfall SW9. The City, which maintains overlapping jurisdictional boundaries within this area, retained this MS4 facility in the 1963 Conveyance of certain tideland property from the City to the District. This Conveyance excluded from the property transfer "all existing water, sewer and drainage facilities, known or unknown, the location ... being designated by engineering drawings" referenced in the Conveyance and to be "more specifically located by survey and location maps" at a later date. Attachment A, Page 6 (emphasis added). In fact, the City's own engineering drawings referenced in the Conveyance and City engineering drawings created years later identify this line as a City drainage facility (Attachments B and C). Furthermore, the City conceded that it owns this portion of the MS4 during the Shipyard Sediment Site administrative proceedings. Attachment D ("[T]he City storm drain system enters the NASSCO leasehold at the foot of 28th Street and terminates at the southeasterly corner" where it "discharges into Chollas Creek" at the SW9 outfall). The City's ownership and operation of this MS4 is beyond dispute.[1] Additionally, the Tidal Prism area lies upstream of the tidelands boundary and is within the City of San Diego and U.S. Navy jurisdictions.

It is possible that the Regional Board named the District due to the District's status as a Co-permittee on the municipal MS4 permit, Order No. R9-2013-0001 ("MS4 Permit"). However, this is inappropriate. The law is clear: the District is not responsible for discharges from portions of an MS4 that it does not own or operate, even if portions of those facilities fall within its jurisdiction. *See* 33 U.S.C. 1316(a)(4) ("owner or operator" defined as "any person who owns, leases, operates, controls, or supervises a source"); 40 C.F.R. 122.26(a)(3)(vi) ("Co-permittee need only comply with permit conditions relating to discharges from the municipal separate storm sewers *for which they are operators*.") (emphasis added); State Board Order No. WQ 2015-0075, at 66 ("Permittees that have commingled MS4 discharges need only comply with permit conditions relating to discharges from the MS4 *for which they are owners or operators*.") (emphasis added). Thus, Co-permittee status without more does not render the District an owner or operator of all MS4 covered by the permit and does not constitute a valid reason to direct the District to conduct an investigation within Chollas Creek. *See* MS4 Permit Paragraph 2 ("The federal regulations make it clear that the Co-permittees need only comply with permit conditions relating to discharges from the MS4s for which they are operators (40 CFR 122.26(a)(3)(vi))"; State Board, Order No. WQ 2015-0075, at 67 ("joint responsibility in an MS4 Order is only appropriate if the ultimate responsibility for addressing an exceedance rests with those permittees

[1] The District has identified a single minor storm drain within its jurisdiction that drains approximately 870 ft² of non-industrial property in the vicinity of Chollas Creek. The drain appears to lead to a storm water line underneath Harbor Drive owned by the City that appears to be non-operational or potentially abandoned. In any event, the location of this drain does not render the District an owner or operator of an MS4 relevant to the investigation directed by the Order.

that actually cause or contribute to the exceedance in question."). Requiring the District to participate in this investigation would improperly require the District to address contamination caused by others.

Because the District does not own or operate any portion of the MS4 discharging to the Mouth of Chollas Creek, it should not be named to the Order. The draft Order should be revised to reflect the true ownership of MS4 facilities discharging to Chollas Creek and directed to those responsible for Investigation Area contamination.

b. The Regional Board Should Look To NASSCO To Address Any Contamination Caused By Its Operations

The draft Order identifies NASSCO as a source of pollutant discharges in Chollas Creek (Finding 12). NASSCO has been the exclusive operator of the shipbuilding and repair facilities at the current location since before the District came into existence. *See* Cleanup and Abatement Order No. R9-2012-0024, Finding 2. If NASSCO is in fact responsible for contamination within the Investigation Area, the Regional Board should look to NASSCO to address that contamination.

It is the long-established practice of the State Board to hold a non-discharging public entity landlord responsible for compliance only after the primary discharger has failed to perform or comply with its administrative obligations. *See* Petition of Wenwest, WQ 92-13; Petition of Schmidl, WQ 89-1; Petition of Forest, WQ 87-5. It has also been the Regional Board's practice not to order the District to participate in investigations of contamination caused by others, even if located within the District's jurisdiction. *See* Attachment E, Letter from James G. Smith, Regional Board to Gene Matsushita, Lockheed Martin (November 19, 2012). Indeed, it would be improper for the Regional Board to assign liability for contamination caused by private parties to the public trustee, especially if the only basis for this liability shift were the fact that the location of the contamination is land held in trust.

Comments Submitted With Other Stakeholders:
The following comments have been discussed with the other stakeholders identified on the draft Order; the District is in general agreement with these points.

2. Limit The Investigative Order To Phase One Elements Only. The District is in agreement with other stakeholders that this draft Order should be limited to Phase One elements. It is recommended that all actions and deadlines relating to Phase Two be removed. Including Phase Two in this initial Order appears to be premature, as the stakeholder roles, phase design, and implementation efforts in the second phase are reliant on Phase One findings. As such, determination of potential work elements and the stakeholder roles in Phase Two cannot be determined at this time.

3. Proposed Timelines Should Be Extended. The District agrees with the other stakeholders that the timeline for Phase One deliverables be extended. Developing a well-designed and comprehensive Phase One Work Plan and Quality Assurance Project Plan (QAPP) is a complex process that involves collaboration amongst the stakeholders on work products, contracting mechanisms and cost sharing, as well as

discussions with the Regional Board. The timeline in the Order does not provide adequate time to develop the aforementioned documents and incorporate any revisions suggested by Regional Board staff.

In addition, the Order's timeline should be extended to take into account field efforts, time to perform data analysis, and development of a report. The Order currently states that the Work Plan is due on November 19, 2015, and the Sediment Chemistry Assessment Report (Report) is due on August 31, 2016. The District respectfully requests that the timeline be extended as follows:

- Work Plan due March 30, 2016;
- Report due March 30, 2017.

This request is based on the understanding that the most appropriate time to assess ambient conditions is during summer months (May September). Monitoring in the summer of 2016 would then enable stakeholders to obtain monitoring results in the fall of 2016, and present findings in a report the following spring (2017).

4. Identify A Work Plan Approval Process. The District recommends that the final Order include language clarifying the Regional Board approval process for the Phase One Work Plan. The final Order should specify the review process and time period by which the Regional Board will review and approve the Work Plan. To avoid potential confusion or unnecessary delay, the District strongly recommends that the final Order provide at least a 90-day Work Plan review and approval process. In addition, the Order should clarify that the Regional Board will indicate concurrence with the Work Plan if no comments are received by the end of the 90-day period so the Work Plan implementation can begin.

5. Provide Clear Delineation of the Tidal Prism. The District agrees with the other stakeholders that the Order should define the geographical extent of the Chollas Creek Tidal Prism, similarly to the delineation of the Mouth of Chollas Creek. While the draft Order discusses the Chollas Creek Tidal Prism, the description of the geographical extent of the investigation does not clearly identify that the tidal prism is part of the overall Chollas Creek study area.

   The Investigation Area is comprised of two distinct segments: 1) the Mouth of Chollas Creek and 2) the Chollas Creek Tidal Prism. Because the Order calls for an investigation of the Tidal Prism, the tidal prism area should be clarified in the final Order and include a figure depicting the boundaries of the Chollas Creek Tidal Prism.

Factual Corrections to the Order

The District has reviewed the draft Order and the information relating to land ownership, leases, and jurisdictional authorities within the Chollas Creek drainage area. Based upon review of records of land ownership and leases, the District requests that the items below be corrected as detailed herein.

6. MS4 Ownership Operation. Findings 7 and 10 should be revised to reflect the fact that the District does not own or operate the MS4 discharging to Chollas Creek.

7. Tidal Prism. The District requests that Finding 3 be revised to correct the statements relating to the Tidal Prism, as follows:

   a) Replace the "San Diego Unified Port District" with the "City of San Diego" for jurisdictional ownership.

   b) Include a map of the Tidal Prism area within the body of the draft Order.

8. U.S. Navy and Nassco Leased Parcels. The draft Order (Findings 12 and 13) identifies the land owners for portions of the Chollas Creek Mouth. In particular it states that the Nassco facility is leased from the District. The draft Order does not state that Nassco also leases a portion of their facility from the U.S. Navy. The U.S. Navy is the land owner for areas on both sides of the Chollas Creek Mouth. The portion of U.S. Navy property on the northern side of the Chollas Creek Mouth is leased to Nassco. The District requests the following corrections to the draft Order:

   a) Revise the draft Order to identify that Nassco leases land from both the District and the U.S. Navy(Page 7), and

   b) Include correlating language on page 9 to indicate that the U.S. navy leases land to Nassco.

The District remains firm in its commitment to conduct operations and manage resources in an environmentally sensitive and responsible manner. As such, the District believes that efforts such as this Chollas Creek investigation supports the Regional Board's overarching efforts to develop a strategy that will achieve healthy waters in San Diego Bay. The District, as an interested party, is encouraged by the Regional Board's desire to investigate and address contamination within this area. We encourage you to continue to move these investigations forward in a manner that is consistent with the San Diego Bay Strategy.

Thank you again for this opportunity to provide comments on this important project. If you have any questions please contact Karen Holman at (619) 725-6073.

Sincerely,

Jason H. Giffen
Director, Environmental and Land Use Management

Attachments

Attachment A	February 16, 1963. City of San Diego Conveyance Document
Attachments B and C	City of San Diego Engineering Dept. Drainage Drawings
Attachment D	July 15, 2004 Report for the Investigation of Exceedances of the Sediment Quality Objectives at National Steel and Shipbuilding Company Shipyard
Attachment E	November 19, 2012. Letter from James G Smith Regional Board to Gene Matsushita Lockheed Martin

D2#965199 cc: John Carter, Jason H Giffen, Karen Holman, Paul Brown

Attachment A

PORT OF SAN DIEGO
P.O. Box 488
San Diego 12, Calif.

(86)
ORIGINAL

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 75
FILED FEB 15 1963
MICROFILM NO. 8
OFFICE OF THE CLERK

CONVEYANCE

THE CITY OF SAN DIEGO, a municipal corporation, in the County of San Diego, State of California, hereby conveys, without warranty, to the SAN DIEGO UNIFIED PORT DISTRICT, a Public Corporation established pursuant to the provisions of the San Diego Unified Port District Act, all those lands situate within the City of San Diego, County of San Diego, State of California, which are more particularly described as follows:

PARCEL I:

All those lands lying between the line of mean high tide of San Diego Bay and the pierhead line of said bay, and between the prolongation into said bay to the pierhead line of the northerly line of the United States military reservation on Point Loma and the prolongation into said bay to the pierhead line of the southwesterly line of the United States Naval Training Center and reserving therefrom such roadways and easements as hereinafter described, such boundaries, roadways and easements being shown in detail upon engineering drawings Nos. 1, 2, 2a, 2b, 2c, 3, 3a, 3b, 3c, 3d, 3e, 3f, 3g, 4, 4a, 4b, 14a, 14b, 14c, & 15a, 15b, 15c, 16a, 16b, 16c.

PARCEL II:

All those lands lying between the line of mean high tide of San Diego Bay and the pierhead line of said bay, and between an irregular westerly boundary being an irregular line beginning at Government Station 488 on the combined pierhead and bulkhead line and proceeding northerly; thence easterly; thence northerly; thence easterly; thence northeasterly along the boundary of the United States Marine Corps Base to the point where such boundary intersects the mean high tide line in the vicinity of Washington Street and Pacific Highway, and the northwesterly boundary lines of the United States Naval Station between the mean high tide line and the United States Pierhead Line being an irregular line, omitting therefrom the United States Coast Guard Base lying southerly of North Harbor Drive and in the vicinity of Lindbergh Field; and the Civic Center lying between North Harbor Drive and Pacific Highway and between Grape and Ash Streets; and the United States Naval Supply Center consisting of four parcels, (1) the block lying between Broadway and "E" Street and between North Harbor Drive and Pacific Highway, (2) the block lying between "B" and "F" Streets and between North Harbor Drive and Pacific Highway, (3) a portion of a block between "F" and Market Streets and North Harbor Drive and Pacific

I hereby certify that, if impressed with the seal of the San Diego Unified Port District, this is a true copy of the original record filed in the Office of the District Clerk of the San Diego Unified Port District as Document No 75.

By _____ Date 9/22/2010 No. Pages: 8

Timothy A. Deuel
Deputy District Clerk

Highway, (4) The United States Naval Pier at the foot of "G" Street; and adding portions of fractional blocks 18 and 19, New San Diego, according to the Map thereof No. 456, lying above the mean high tide line; such boundaries, roadways, easements and omissions being shown in detail upon engineering drawings Nos. 4, 5, 6, 6a, 6b, 6c, 7, 8, 8a, 8b, 9, 9a, 9b, 9c, 9d, 9e, 10, 10a, 10b, 10c, 10d, 10e, 10f, 10g, 10h, 11, 12, 12a, 13, 13a, 13b, 13c, 14c, 14d 14e, 14f, 15c, 15d, 15e, 15f, 16e, 16f, 14g, 15g, 16c, 16d, 16g.

The City retains from the conveyance of Parcel II the right of control and possession of that block surrounded by Pacific Highway on the west, Kettner Boulevard on the east, Market Street on the north, and Harbor Drive on the south, for a Police Station and for so long as the City continues to use it for that purpose.

PARCELS III through XIV:

The following described uplands lying above the line of mean high tide of San Diego Bay:

(Parcel III):

Lot 8, Block 135, La Playa, Couts Miscellaneous Map No. 37, lying above mean high tide line, and as shown on engineering drawing No. 2a.

(Parcel IV):

Portion Closed Street, Adjacent Lot 2, Block 154, La Playa, Couts Miscellaneous Map No. 37, lying above mean high tide line, and as shown on engineering drawing No. 2b.

(Parcel V):

Portions of Right of Way Lots 73 and 74 of Middletown, according to Jackson's Map of Middletown, and as shown on engineering drawing No. 8a.

(Parcel VI):

Portion of Lot 6, Block 272 of Middletown, according to Jackson's Map of Middletown, and as shown on engineering drawing No. 8b.

(Parcel VII):

Lot E, Block 22, New SanDiego, according to the Map thereof No. 456, lying above the mean high tide line.

(Parcel VIII):

Lot E, Block 23, New San Diego, according to the Map thereof No. 456, filed in the office of the County Recorder, said County of San Diego, excepting therefrom that portion, if any, lying below the mean high tide line of the Bay of San Diego, and excepting therefrom the Right of Way of the Atchison, Topeka and Santa Fe Railway Company.

(Parcel IX):

Portion of Lot F, Block 23, New San Diego, lying above the mean high tide line, and as shown on engineering drawing No. 10e.

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(Parcel X):

All of Block 31, New San Diego, Map No. 458.

(Parcel XI):

Portion of Pueblo Lot 1164 northwesterly of Sampson Street, as shown on engineering drawing No. 12a.

(Parcel XII):

All of Block 45, Roseville, Map No. 165, lying above the mean high tide line.

(Parcel XIII):

Lot 6, Block 67 of Roseville, according to Map No. 165 of Roseville, lying above the mean high tide line, as shown on engineering drawing No. 13a.

(Parcel XIV):

The portions of Fractional Block 64 and the Unnumbered Fractional Block in San Diego Land and Town Company's Addition, according to record map thereof No. 379, lying between the mean high tide line of the Bay of San Diego, and the southerly right of way line of the Atchison, Topeka and Santa Fe Railroad, as shown on engineering drawing No. 13c.

ROADWAYS RESERVED

The City of San Diego specifically reserves easements for street purposes, as more particularly set forth hereinafter, including within such reservations the right to construct, maintain and operate all utilities and the right to grant franchises on such streets and to require franchise payments to The City of San Diego as authorized by the Charter of The City of San Diego:

PARCEL A: (Roads within Parcel I described above)

For San Antonio Avenue - an easement over that portion included between the mean high tide line and the prolongation of the easterly line of San Antonio Avenue as it now exists, as shown on engineering drawing No. 2.

For Talbot Street - an easement 70' in width extending from the mean high tide line to the southeasterly line of Anchorage Lane, as shown on engineering drawing No. 1f.

For Canyon Street - an easement 70' in width extending from the mean high tide line to the southeasterly line of the most southeasterly line of Anchorage Lane, as shown on engineering drawing No. 3a.

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For Anchorage Lane - an easement 48' in width between the northeasterly line of Talbot Street and the southwesterly line of Canyon Street, and an easement 55' in width between the northeasterly line of Canyon Street and the southwesterly line of Byron Street, as shown on engineering drawings Nos. 3e and 3f.

For Byron Street - an easement 60' in width between the mean high tide line and the traffic circle at Byron Street and Yacht Harbor Drive, as shown on engineering drawings Nos. 3c, 3d.

For Yacht Harbor Drive - an easement of variable widths as shown on engineering drawings Nos. 2c, 2d, 2e, 4b.

For the traffic circle at Byron Street and Yacht Harbor Drive - easements of variable widths as shown on engineering drawing No. 2c.

For the traffic circle at the southwesterly end of Yacht Harbor Drive - easements of variable widths as shown on engineering drawing No. 2c.

For Garrison Street - an easement 70' in width extending from the mean high tide line to the northwesterly line of Scott Street, as shown on engineering drawing No. 3g.

For Scott Street - an easement 70' in width extending from the point where the mean high tide line intersects the southeasterly line of Scott Street to the southwesterly boundary of North Harbor Drive, the variable widths of such easement as shown on engineering drawing No. 3g.

For North Harbor Drive - an easement 167.5' in width extending easterly from the mean high tide line to the southwesterly line of the United States Naval Training Center, as shown on engineering drawing No. 4a.

For Lowell Street - an easement 73.5' in width extending southeasterly from the mean high tide line to the northerly line of North Harbor Drive, as shown on engineering drawing No. 4a.

PARCEL B: (Roads within Parcel II described above)

For 28th Street - an easement 126' in width extending from the mean high tide line to the northerly line of Harbor Drive, as shown on engineering drawing No. 13d.

For 8th Avenue - an easement 80' in width extending from the mean high tide line to the northeasterly line of Harbor Drive, as shown on engineering drawing No. 11.

For 5th Avenue - an easement 80' in width extending from the mean high tide line to the northeasterly line of Harbor Drive, as shown on engineering drawing No. 11.

For Kettner Boulevard - an easement 75' in width extending southerly from the mean high tide line to the northeasterly line of Harbor Drive, as shown on engineering drawing No. 10.

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Broadway - an easement 125' in width extending from the westerly line of Pacific Highway to a line parallel to and 200' easterly from the United States bulkhead lines, as shown on engineering drawing No. 10a.

For Ash Street - an easement 80' in width extending from the westerly line of Pacific Highway to the easterly line of North Harbor Drive, as shown on engineering drawing No. 9a.

For Grape Street - an easement 80' in width extending from the westerly line of Pacific Highway to the easterly line of North Harbor Drive, as shown on engineering drawing No. 9b.

For Hawthorn Street - an easement 80' in width extending from the mean high tide line to the easterly line of Pacific Highway; an easement 80' in width extending from the northwesterly line of Pacific Highway to the northeasterly line of North Harbor Drive, as shown on engineering drawing No. 9.

For Ivy Street - an easement 80' in width extending from the mean high tide line to the easterly line of Pacific Highway, as shown on engineering drawing No. 9.

For Laurel Street - an easement 80' in width extending from the mean high tide line to the northeasterly line of Pacific Highway; an easement 80' in width extending from the southwesterly line of Pacific Highway to the northerly line of North Harbor Drive with a variable width at the Harbor Drive end of said easement, as shown on engineering drawings Nos. 9b, 9a.

For Palm Street - an easement 80' in width extending from the mean high tide line to the northeasterly line of Pacific Highway, as shown on engineering drawing No. 8.

For Sassafras Street - an easement 80' in width extending from the mean high tide line to the northeasterly line of Pacific Highway, as shown on engineering drawing No. 8.

For Vine Street - an easement 80' in width extending from the mean high tide line to the northeasterly line of Pacific Highway, as shown on engineering drawing No. 8.

For North Harbor Drive - an easement 200' in width extending from the westerly boundary line of Parcel II to the easterly line of the United States Coast Guard Base; an easement 179' in width extending from the easterly line of the United States Coast Guard Base to the vicinity of the prolongation of Date Street; an easement 165' in width extending from the vicinity of the prolongation of Date Street to the southerly line of Ash Street, as shown on engineering drawings Nos. 4, 5, 6, 7, 9.

For Harbor Drive - an easement of variable widths extending from the easterly line of Pacific Highway to where said street intersects the mean high tide line in

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the vicinity of the prolongation of 16th Street; an easement providing for a right of way 120' in width from the vicinity of Schley Street to the vicinity of the United States Naval Repair Base; the variable widths of such easements as shown on engineering drawings Nos. 10, 11, 13.

For Pacific Highway - an easement providing for a right of way of variable widths between that point where the mean high tide line intersects the southwesterly line of Pacific Highway in the vicinity of Washington Street and the southerly line of Harbor Drive, as shown on engineering drawings Nos. 8, 9, 10.

For all the above-mentioned streets - an easement of such width for intersection purposes at the intersection of any of the aforementioned streets with each other or with any other roadway and as shown on the appropriate engineering drawings in Exhibit "A."

OTHER EASEMENTS RESERVED

City reserves easements in Parcels I through XIV for all existing water, sewer and drainage facilities, known or unknown, the location of known existing utilities being designated by engineering drawings Nos. 14a - 14g; 15a - 15g; 16a - 16g; unknown easements shall be more specifically located by survey and location maps of such easements shall be prepared, which maps shall become a part of this conveyance as a subsequent exhibit when approved by District and City.

QUITCLAIM

Parcel XV:

City quitclaims all its right, title and interest in all those submerged lands in the Bay of San Diego bayward of the pierhead line within the city limits of said city, excepting those lying easterly of the jetty and southerly of the peninsular of San Diego; and southerly of the common boundary of the City of San Diego and the City of National City as shown on engineering drawing No. 1.

EXHIBITS

All engineering drawing numbers referred to in this document under Parcels I through XIV; Roadways Parcels A and B; and Easements, by reference thereto are incorporated herein and attached hereto as Exhibit "A".

PORT020530

IN WITNESS WHEREOF, The City of San Diego has caused this conveyance to be executed by its Mayor and City Clerk, pursuant to resolution of the Council authorizing such execution, this 14th day of February, 1963.

THE CITY OF SAN DIEGO

By _____
Mayor of said City

ATTEST:

_____
City Clerk of said City

PORT020531

STATE OF CALIFORNIA)
) ss.
COUNTY OF SAN DIEGO)

On this 14th day of February, 19 63, before me, the undersigned, a Notary Public in and for said County and State, residing therein, duly commissioned and sworn, personally appeared CHARLES C. DAIL, known to me to be the Mayor, and PHILLIP ACKER, known to me to be the City Clerk of The City of San Diego, the municipal corporation that executed the within instrument, and known to me to be the persons who executed the within instrument on behalf of the municipal corporation therein named, and acknowledged to me that such municipal corporation executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal; in the County of San Diego, State of California, the day and year in this certificate first above written.

Helen M. Willig
Notary Public in and for the County of San Diego, State of California
HELEN M. WILLIG

(SEAL)
My Commission Expires
Sept. 11, 1966

FILE/PAGE NO. 28389
RECORDED REQUEST OF
[illegible]
FEB 15 11 42 AM '63
SERIES 4 BOOK 1963
OFFICIAL RECORDS
SAN DIEGO COUNTY, CALIF.
A. S. GRAY, RECORDER
NO FEE

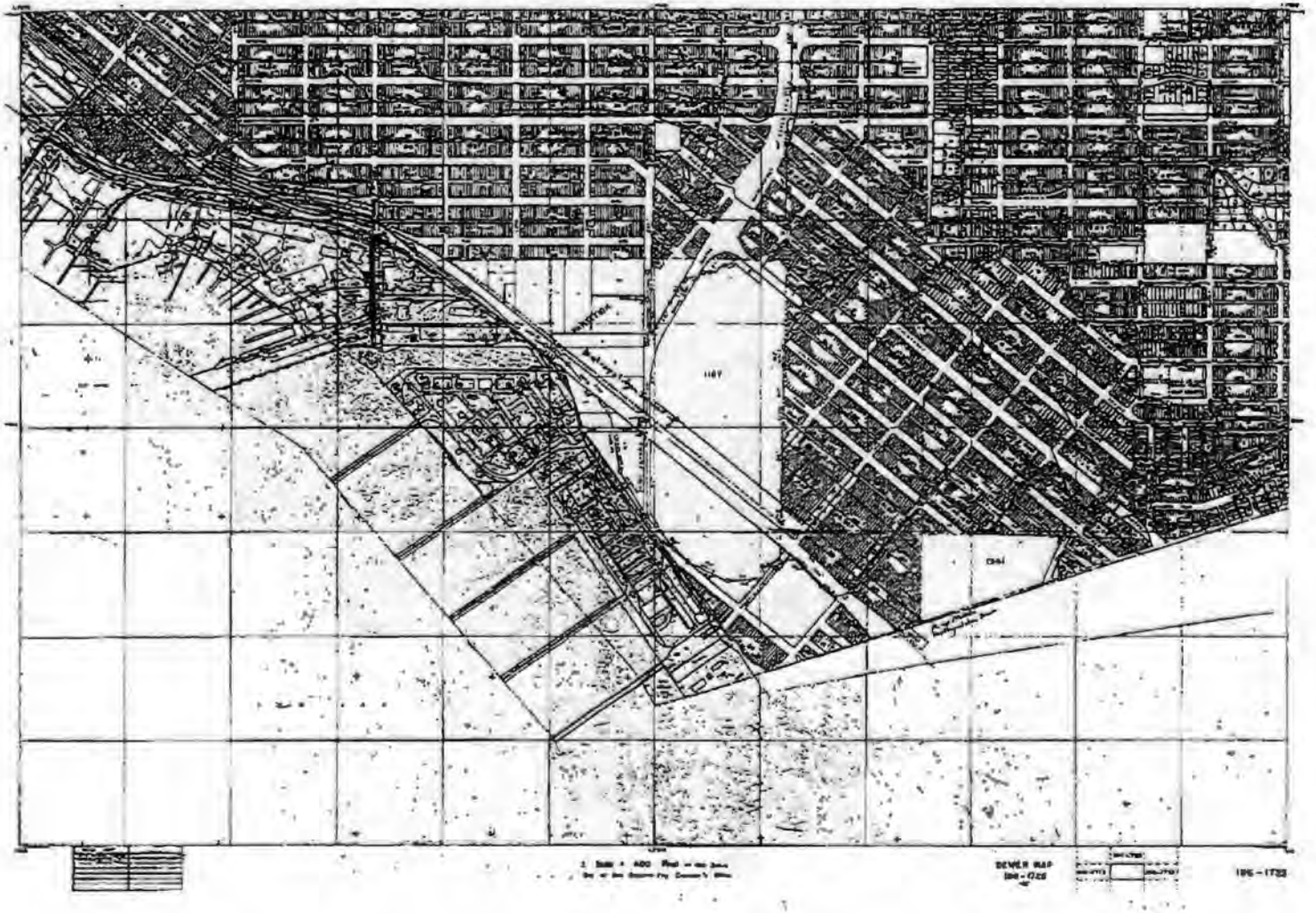
8
-8-

174199 FEB 14 1963

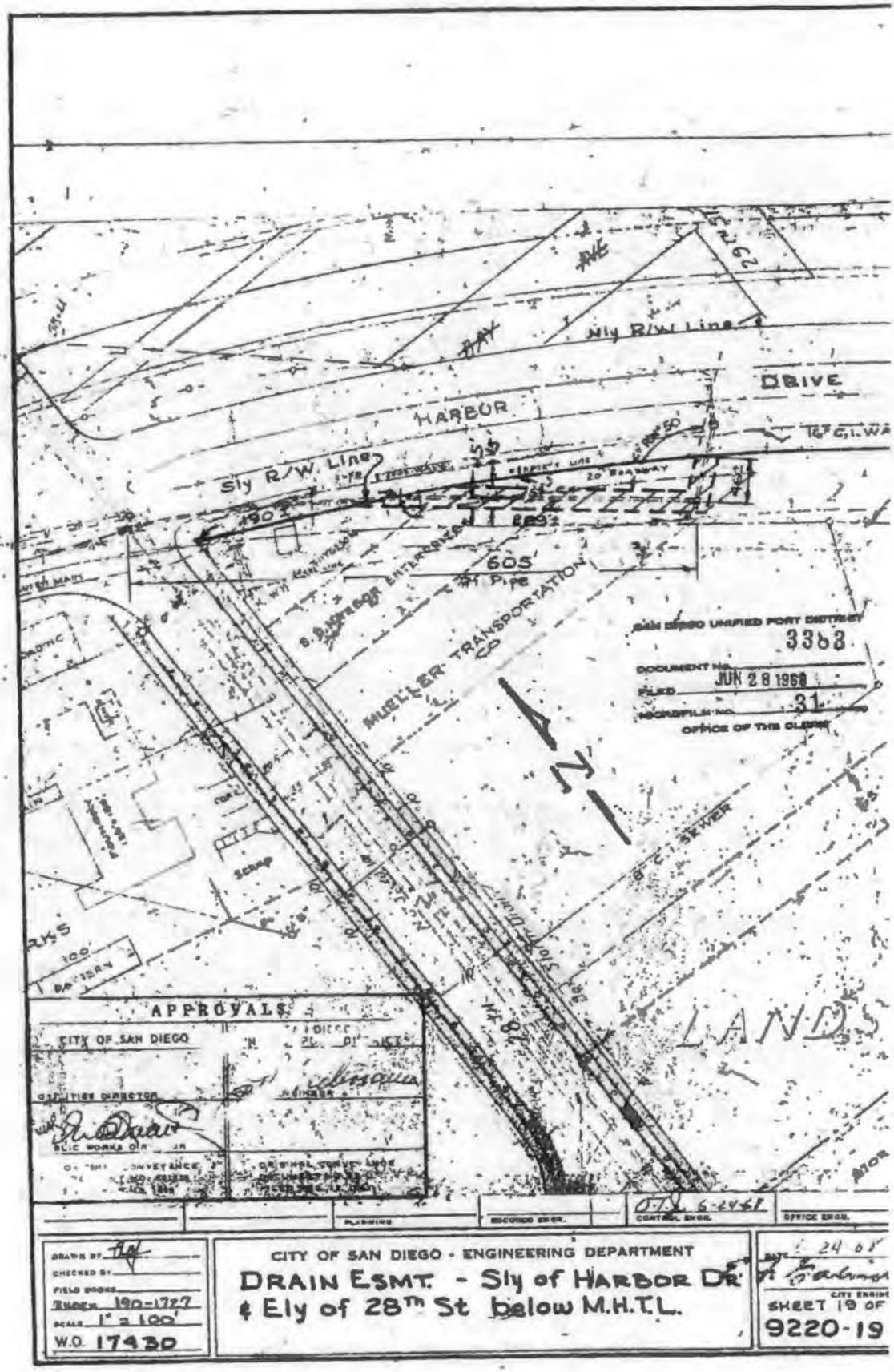
75

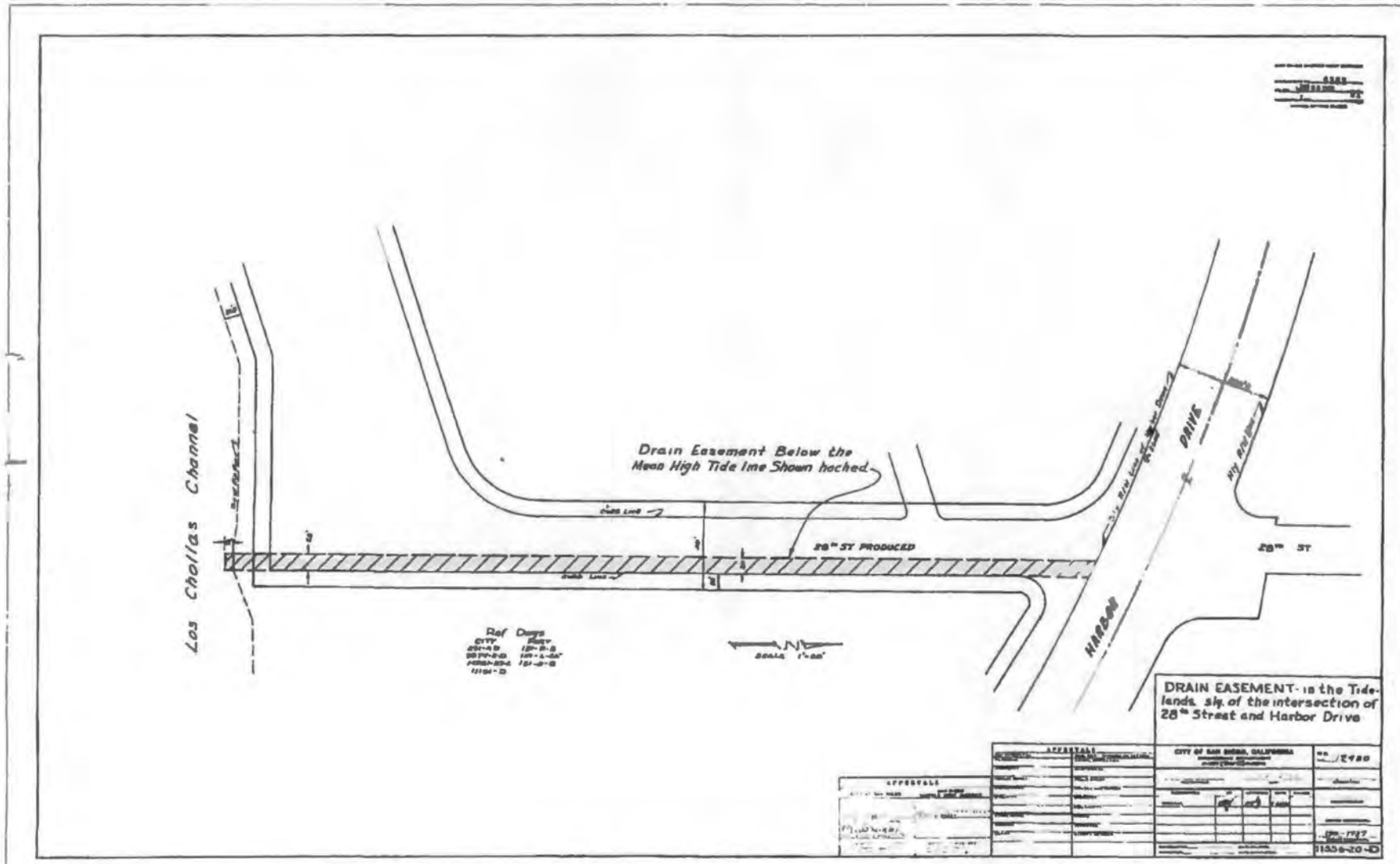
PORT020532

Attachment B



Attachment C




Los Chollas Channel
Drain Easement Below the Mean High Tide line Shown hached
28th ST PRODUCED
28th ST
HARBOR DRIVE
Ref Dwgs
DRAIN EASEMENT- is the Tide-lands s'ly of the intersection of 28th Street and Harbor Drive

Attachment D

City of San Diego

REPORT FOR THE INVESTIGATION OF EXCEEDANCES OF THE SEDIMENT QUALITY OBJECTIVES AT NATIONAL STEEL AND SHIPBUILDING COMPANY SHIPYARD

July 15, 2004

Storm Water Pollution Prevention Program
1970 B Street, MS 27A
San Diego, CA 92102

SAR158787

City's records do not contain all storm drain system information from the beginning of the twentieth century. The only historical map available is from 1942 (Attachment 4) The storm drain system is shown as a 4 x 3.5 foot reinforced concrete box along the southerly side of Belt Street in this drawing.

A current storm drain system map is enclosed for your reference as Attachment 5. This map indicates that the City storm drain system enters the NASSCO leasehold at the foot to 28th Street and terminates at the southeasterly corner and discharges into Chollas Creek. This storm drain outfall is referred to as SW9 in NASSCO sediment report map prepared by Exponent, a private company, dated September 23, 2003 (Attachment 6). Our research did not validate the Exponent report that storm drain SW3 is part of the City of San Diego storm drain conveyance system.

Scaled figures delineating tenant boundaries are enclosed as Attachment 7 and entitled NASSCO Shipyard Tenant Information Parcel Animation Supplement. The maps start at with the first tenant on record through 1962. There is a map for every year that a change in boundaries was recorded. Included with each map is a table providing information on the business name, parcel size, business code and lease start and end dates. The Shipyard Business Code spreadsheet (Attachment 8) was developed for color coding of parcel types for viewing of these maps on the enclosed CD (Attachment 9). This CD has instructions on how to open and view the maps in any ArcView program.

3. Monitoring Data Analysis

In order to link sediment to wet weather one should rely on multiple lines of evidence and one of those lines of evidence is to look at gradients to see if a strong gradient signal indicates that sediments are moving out from or into the river channel. The data collected offshore as dry weight concentrations do not provide evidence of this gradient. Second we would expect to see some correlation in the chemistry collected in the urban runoff program monitored samples (wet and dry weather sampling) and the contaminants observed in the sediments.

Historical urban runoff monitoring data both wet and dry seasons suggest signals of copper, zinc, and diazinon in Chollas Creek. Therefore, if there is a link between offshore contaminant of sediments and creek inputs one might reasonably expect to find a gradient of contamination of offshore sediments of these contaminants. Review of the historical sediment monitoring data collected at offshore station locations shows no evidence of a gradient of contamination.

Monitoring data from the Co-Permittee monitoring program was reviewed for this analysis and included sediment samples collected upstream in Chollas Creek and at the mouth of Chollas Creek in San Diego Bay from 1996 to 2000, wet weather data from the mass loading station in Chollas Creek from 1996 to 2004, dry weather data within the Chollas Creek watershed areas MS4 system from 2002 to 2003 (Table 1 and Table 2).

SDR158701

Water Boards

California Regional Water Quality Control Board, San Diego Region

November 19, 2012

In reply refer to / attn:
T10000002642:Janderson

Mr. Gene Matsushita
Sr. Manager, Environmental Remediation
Lockheed Martin Enterprise Business Services
2950 North Hollywood Way, Suite 125
Burbank, CA 91505

Subject: Lockheed Request to Direct the San Diego Unified Port District to Participate in the Investigation at the Marine Terminal and Railway

Mr. Matsushita:

Your letter dated June 18, 2012 requested that the San Diego Unified Port District (Port) be directed to participate in the investigation at the Lockheed Marine Terminal and Railway property. The California Regional Water Quality Control Board, San Diego Region (San Diego Water Board) does not routinely add a property owner to an enforcement order as a matter of course unless the Board determines that the property owner had discharged, or caused or permitted a discharge of waste. In this case the Lockheed Martin Corporation, as the owner and operator of the Marine Terminal and Railway facility, and lessee of the property, is primarily responsible for any discharges of waste to soil, groundwater, and to bay sediment from its operation of the Marine Terminal and Railway facility. The Port, as the lessor, did not discharge or cause or permit the discharges of waste from the Marine Terminal and Railway facility to the environment. Therefore, the San Diego Water Board will not direct the Port to participate in the investigation at this property

You also requested that the San Diego Water Board investigate the 48-inch storm water outfall that drains into the Harbor Island East Basin (East Basin). At this time, the San Diego Water Board does not intend to require further investigation of the 48-inch storm drain and outfall. Other than the Tow Basin property, which has been cleaned up, the San Diego Water Board has no knowledge of any other contaminated properties that are or were connected to the 48-inch storm drain that could have contributed contaminated sediment to the East Basin.

In the subject line of any response, please include the reference number **T10000002642:Janderson**. For questions or comments, please contact Mr. John Anderson by phone at (858) 467-2975, or by email Janderson@waterboards ca gov

Respectfully,

James G. Smith
Assistant Executive Officer

JGS jc jpa

cc via email:

Ms Kara Edewaard, Lockheed Martin, Kara.I.edewaard@lmco com
Mr Bill Hays, Port of San Diego, Bhays@portofsandiego.org
Ms. Karen Holman, Port of San Diego, Kholman@portofsandiego.org

Tech Staff Info & Use	
Order No	**R9-2011-002**
Geotracker Place ID	**T10000002642**

BYRON ST.

8" SEWER

SHAFTER ST.

S35°45'10"W

18" V.C. SEWER

C.L. 24" R.C.P STORM DRAIN

CARLETON ST.

15" TRUNK SEWER

21" V.C. SEWER

26

27

28

10

R = 43'
Δ = 90°
T = 43'
L = 67.54'

S54°15'50"W

S55°38'10"W - 161.84'

S0°46'40"W - 100.50'

S12°19'10"W - 100.26'

S14°54'20"W

S16°29'40"W

MEAN HIGH TIDE LINE

"F" BASE LINE

MUNICIPAL TIDE LAND

15' Drainage Easement
250' to Ely. Line SHAFTER ST.
3' LENGTHS

TOP OF BANK

4+19 TOP OF BANK
4+24 TOE OF SLOPE

RAIL TRESTLE

15'
10'
5'

4+63.27 END OF PIPE

4+80 CUT LINE (DREDGE

Scale: 1" = 50'

SAN DIEGO UNIFIED PORT DISTRICT

DOCUMENT NO. 3383

FILED JUN 28 1968

MICROFILM NO. 31

OFFICE OF THE CLERK

15' Drainage Easement below M.H.T.L. shown hatched

		PLANNING	RECORDS ENGR	CONTROL ENGR	OFFICE ENGR.
				O.K. J. C-24-68	

DRAWN BY J.B.
CHECKED BY
FIELD BOOKS 202-1699
SCALE 1" = 50'
WO 17430

CITY OF SAN DIEGO - ENGINEERING DEPARTMENT

DRAINAGE EASEMENT

Ext. Carleton St., below M.H.T.L.

TIDELANDS

HARBOR DEP 220-MB

DATE 6/20/68

CITY ENGINEER

SHEET 1 OF
9220-1-

SCOTT ST

EMERSON ST

FENELON ST

GARRISON ST

0+00

1193'

0+11

82-40-30

MEAN HIGH TIDE LINE

WILLIAMS BASE LINE

15' Drainage Easement

15'

10'

5'

2+11

2+23

2+35

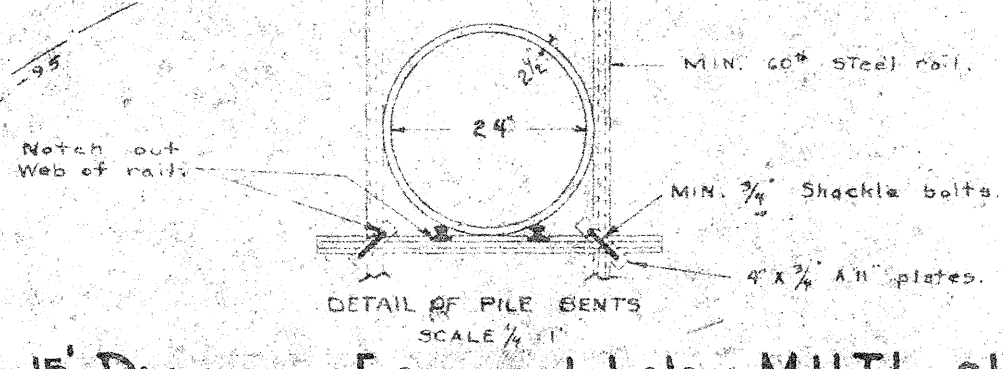
2+41 End of Pipe

2+46 End of Easement

TOP SLOPE EL +11.00

CUT LINE EL -9.5

Scale 1" = 100'



DETAIL OF PILE BENTS

SCALE ¼" = 1'

15' Drainage Easement below M.H.T.L. shown hatched

SAN DIEGO UNIFIED PORT DISTRICT

3383

DOCUMENT No.

FILED JUN 28 1968

MICROFILM No. 31

OFFICE OF THE CLERK

APPROVALS

CITY OF SAN DIEGO

SAN DIEGO UNIFIED PORT DISTRICT

		PLANNING	RECORDS ENGR.	O.J. 6-24-68 CONTROL ENGR.	OFFICE ENGR.

DRAWN BY J.M.

CHECKED BY

FIELD BOOKS 204-1699

SCALE 1" = 100'

W.O. 17430

CITY OF SAN DIEGO - ENGINEERING DEPARTMENT

DRAINAGE EASEMENT

119Ft. South of Fenelon below M.H.T.L.

TIDELANDS

DATE 6/24/68

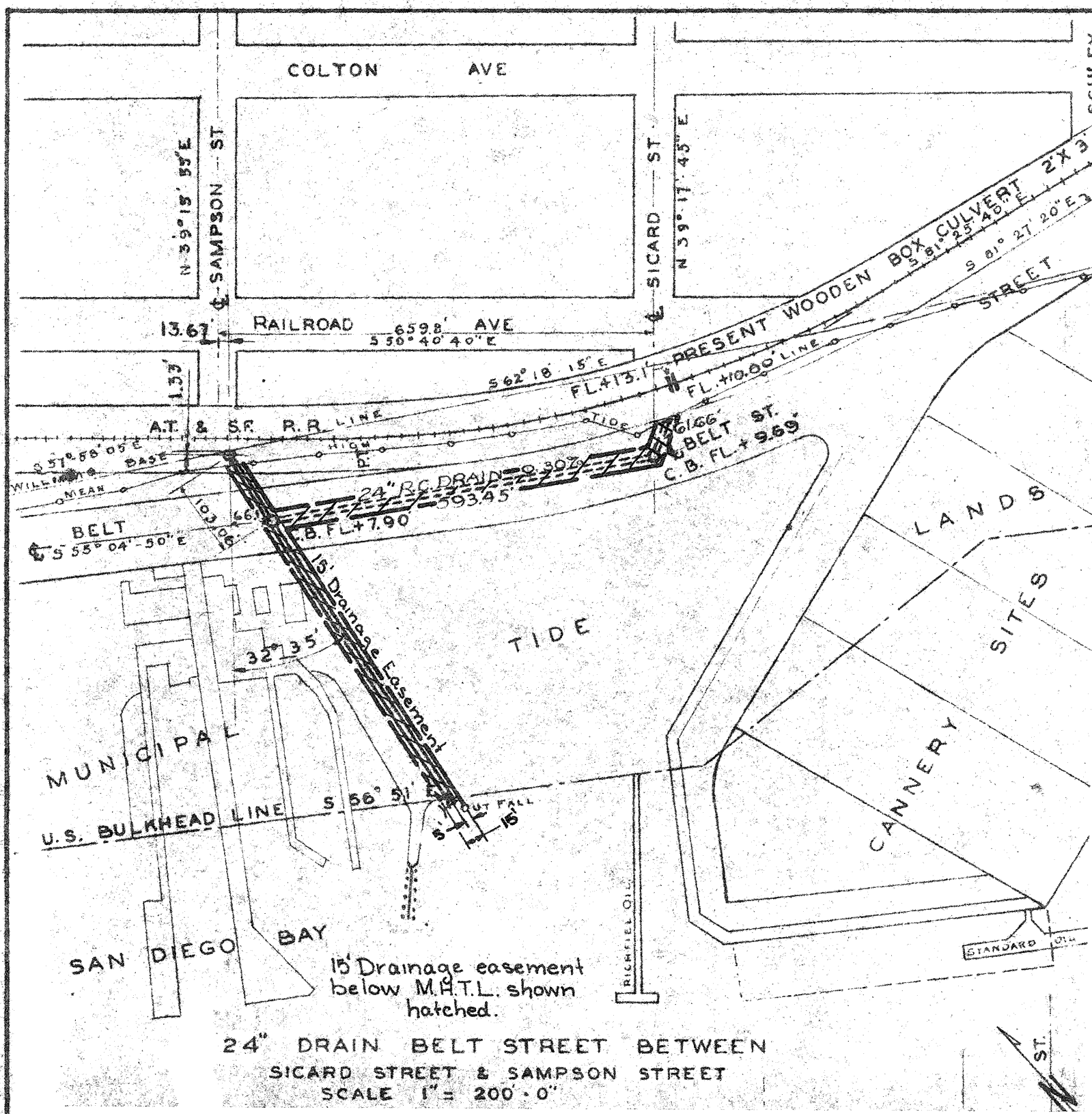
T. Gabrielson

CITY ENGINEER

SHEET 2 OF 19

9220-2-B

HARBOR No. 219-MB



15' Drainage easement below M.H.T.L. shown hatched.

24" DRAIN BELT STREET BETWEEN SICARD STREET & SAMPSON STREET
SCALE 1" = 200'-0"

APPROVALS

SAN DIEGO UNIFIED PORT DISTRICT

SAN DIEGO UNIFIED PORT DISTRICT
3383
DOCUMENT NO.
FILED JUN 28 1968
MICROFILM NO. 31
OFFICE OF THE CLERK

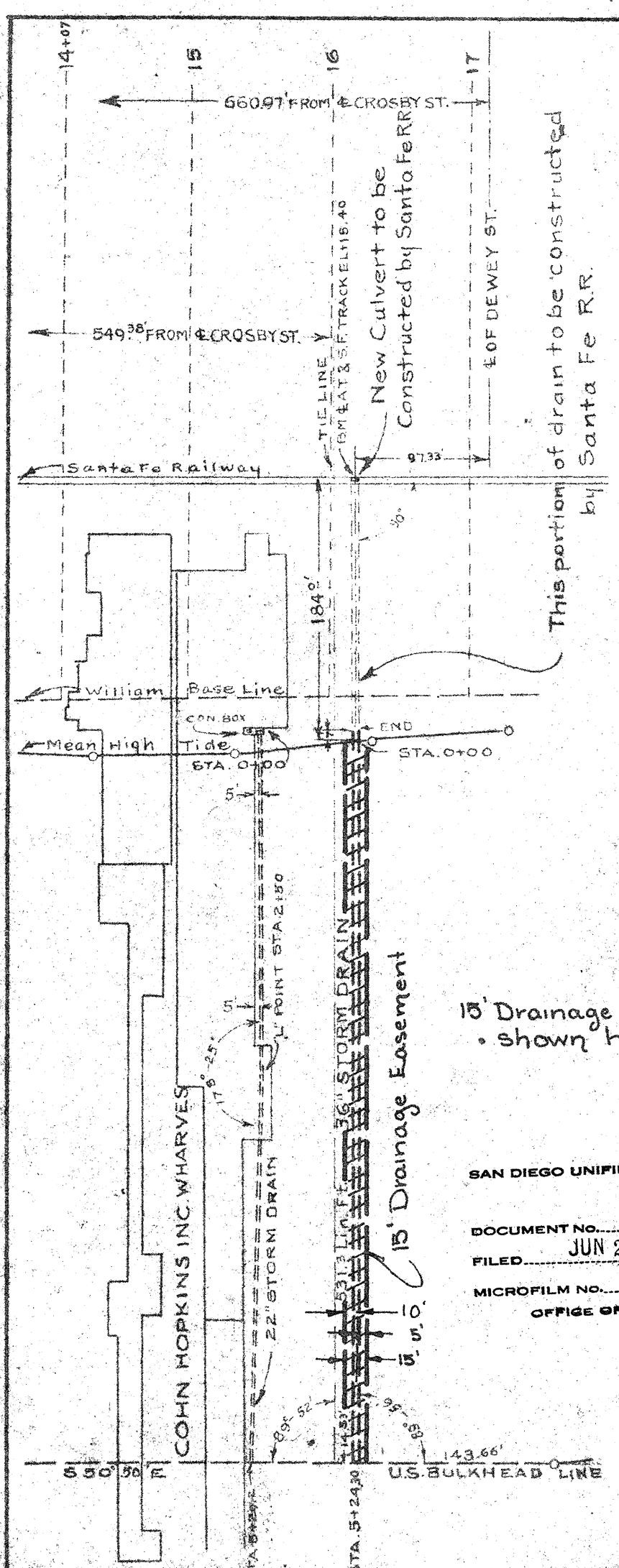
PLANNING	RECORDS ENGR	CONTROL ENGR.	OFFICE ENGR.
		O.J. 6-24-68	

DRAWN BY J.A.
CHECKED BY
FIELD BOOKS 192-1725
SCALE 1" = 200'
W.O. 17430

CITY OF SAN DIEGO - ENGINEERING DEPARTMENT
DRAINAGE EASEMENT
S.Wly. of Sampson St. below M.H.T.L.
TIDELANDS

DATE 6/24/68
E. F. Gates
CITY ENGR.
SHEET 3 OF
9220-3

HARBOR No. 68 MB



SAN DIEGO UNIFIED PORT DISTRICT
3383
DOCUMENT NO.
FILED JUN 28 1968
MICROFILM NO.
OFFICE OF THE CLERK

APPROVALS	
CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
FOR PUBLIC WORKS DIRECTOR	CHIEF ENGINEER
ORIGINAL CONVEYANCE DOCUMENT NO. [illegible] FILED [illegible]	ORIGINAL CONVEYANCE DOCUMENT NO. 71 FILED FEB. 13, 1968

PLANNING	RECORDS ENGR.	CONTROL ENGR.	OFFICE ENGR.
		6-24-68	

DRAWN BY J.A.
CHECKED BY
FIELD BOOKS 192-1723
SCALE 1" = 100'
W.O. 17430.

CITY OF SAN DIEGO - ENGINEERING DEPARTMENT

DRAINAGE EASEMENT

S'ly of Dewey St. & E'ly of Crosby St.

TIDELANDS

DATE 6-24-68

CITY ENGINEER

SHEET 4 OF 1[illegible]

9220-4-

HARBOR NO. 49MB

MIDDLETOWN

MAP 4134-R

CALIFORNIA ST.

21

TIDE

LINE

HIGH HWY.

BM 16.6

JUNIPER

DOCKS & LANDS

PACIFIC

16

R/W Line

N 20° 12' 30" W

MEAN HIGH

380.43± MEAN

S 27° 47' 30" W

149'±

95'±

N 59° 51' 30" W
113.41

R = 234.85'
Δ = 34° 04' 00"
L = 139.64

279'±

STREET

110'±

N 04° 00' E

DRAIN ESMT BELOW M.H.T.L. SHOWN HATCHED

N 69° 47' 10" E

N 86° 04' 30" E
600.36'

54" Drain

5'
10'
15'

100'

DRIVE

79'

R = 80'
Δ = 73°
L = 101.93'

278'±

N 13° 04' 30" E

Sta. 328+56.00

100'

18'

87'

N 13° 56' 24" E (Rad)

176.11

E.C. 334+68.56

N 07° 27' 30" W (Rad)

HARBOR

BULKHEAD

AIRPORT

FIELD

TAXIWAY

LAUREL ST.

SAN DIEGO UNIFIED PORT DIS

DOCUMENT No. 3383

FILED JUN 2 8 1968

MICROFILM No. 31

OFFICE OF THE CLERK

APPROVALS

CITY OF SAN DIEGO

UTILITIES DIRECTOR
PUBLIC WORKS DIRECTOR

SAN DIEGO UNIFIED PORT DISTRICT

CHIEF ENGINEER

ORIGINAL CONVEYANCE

ORIGINAL CONVEYANCE

REF. DWGS.

Harbor Dept. DWGS.
38-L-1 Sheets 1 & 2
38-L-2
12-D-1
City DWG 2042-L

DRAWN BY O.T.J. 6-24-68

COORD. INDEX 204-1715

SCALE 1" = 200'

W.O. 17430

CITY OF SAN DIEGO - ENGINEERING DEPARTMENT

DRAIN ESMTS below M.H.T.L. s'ly of Laural Street in Tidelands.

TIDELANDS

DATE 6-29-68

CITY ENGINEER

SHEET 5 OF 19

9220-5-

SAN DIEGO UNIFIED PORT DISTRICT

DOCUMENT NO. 3383

FILED JUN 28 1968

MICROFILM NO. 31

OFFICE OF THE CLERK

MIDDLETOWN MAP 4134-F

Sta. 314+02.13

(Rad.) N 71°27'05" E

15'

15'

84'

123.65'

S 22°

21.98'

50.28'

264.43'

S 31°

PARKING AREA

GRAPE STREET

GRAPE

TUNA

PIERS

Sta. 309+16.82

79'

PARKING AREA

Sta. 306+97.27

18'

87'

100'

S 86° 37' 45" W

242.76'

15'

0

S

S 89° 28' 15" W

185.32'

54" STORM DRAIN

DRAIN ESMT. BELOW M.H.T.L. Shown Hatched

LINE

WALL

N 00° 00' 40" W

NORTH HARBOR

TIDE LINE

HIGHWAY

WALL

WALL

CIVIC CENTER

USGS HS

18.28

USGS

18

PARKING AREA

BM 16

BM 37.1

BM 35.2

BM 38

TOPEKA

BOULEVARD

31

F R

AND

ELM ST

STREET

SANTA FE

CEDAR

APPROVALS

SAN DIEGO UNIFIED PORT DISTRICT

REF. DWG.

City surveys

(2) 202-1716 11-10-65

6155-8-R

O.T.J. 6-24-68

INDEX 202-1716

1" = 200'

17430

DRAIN ESM'T. in Tidelands wly of Pacific Hwy nly of Cedar St. & sly of Hawthorn St.

TIDELANDS

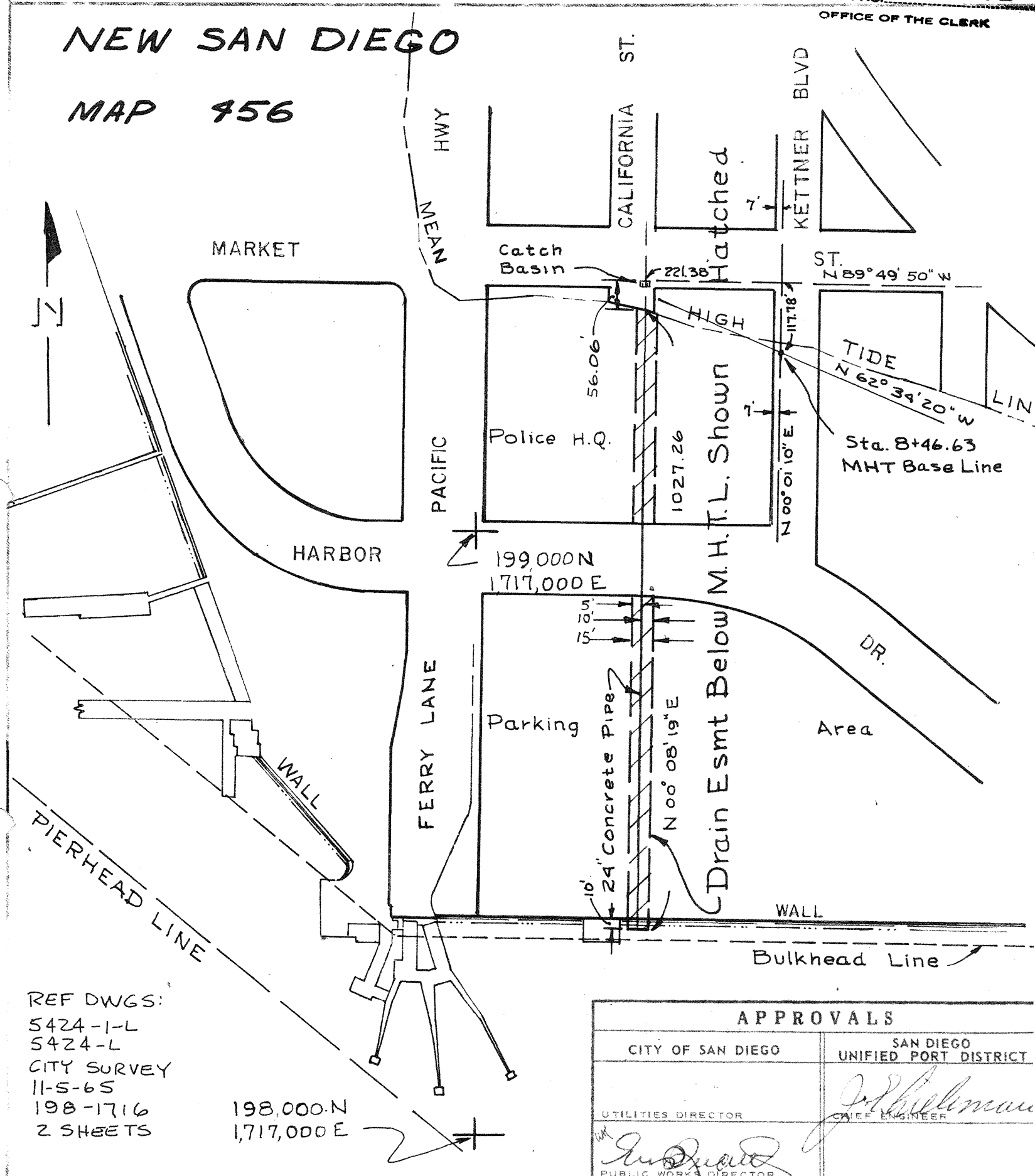
SHEET 6 OF

9220-6-

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3383
FILED JUN 28 1968
MICROFILM NO. 31
OFFICE OF THE CLERK

NEW SAN DIEGO

MAP 456



REF DWGS:
5424-1-L
5424-L
CITY SURVEY
11-5-65
198-1716
2 SHEETS

198,000 N
1,717,000 E

APPROVALS	
CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
UTILITIES DIRECTOR	CHIEF ENGINEER
PUBLIC WORKS DIRECTOR	
ORIGINAL CONVEYANCE DOCUMENT NO. 651833 FILED FEB. 15, 1963	ORIGINAL CONVEYANCE DOCUMENT NO. 71 FILED FEB. 13, 1963

PLANNING | RECORDS ENGR. | CONTROL ENGR. 6-24-68 | OFFICE ENGR.

DRAWN BY BCF
CHECKED BY
Coord Index 198-1717
SCALE 1" = 200'
W.O. 17430

CITY OF SAN DIEGO ENGINEERING DEPARTMENT

Drain Esmt. - in California St. Extended Below M. H. T. L.

TIDELANDS

DATE 6-24-68

SHEET 7 OF 19

9220-7-

SAN DIEGO UNIFIED PORT DI
338
DOCUMENT NO.
JUN 28 1968
FILED
31
MICROFILM NO.
OFFICE OF THE CLERK

SEE SHEET 11556-12-D FOR ESMT.

RUNWAY

UNICIPAL AIRPORT

LINDBERGH FIELD

RUNWAY

15'
5'
10'

N 01°13'45" E 497.76'

N 35°09'15" W 559.64'

42" DRAIN PIPE

N 39°48'15" W 243.50'

N 5°18'15" W 238.86'

15' DRAIN ESMT. BELOW M.H.T.L. SHOWN HATCHED

TAXIWAY

N

MUNICIPAL AIRPORT

LINDBERGH FIELD

TANK

AREA

HARBOR

TAXIWAY

100'

STA. 333+65.10

DRIVE

86.79

17.79'

7.79'

HARD

MUNICIPAL SEAPLANE LANDING

663

WALL

REF. DWG.

City Survey 204-1713,
206-1713 Oct. 28, 1965

SAN DIEGO UNIFIED PORT DISTRICT

CITY OF SAN DIEGO

APPROVED

O.T.J. Ref. 6-24-68

INDEX 204-1713

1" = 200'

17430

DRAIN ESMT. in Lindberg Field
w'ly of Laurel Street

SHEET 8 O
9220-

TIDELANDS

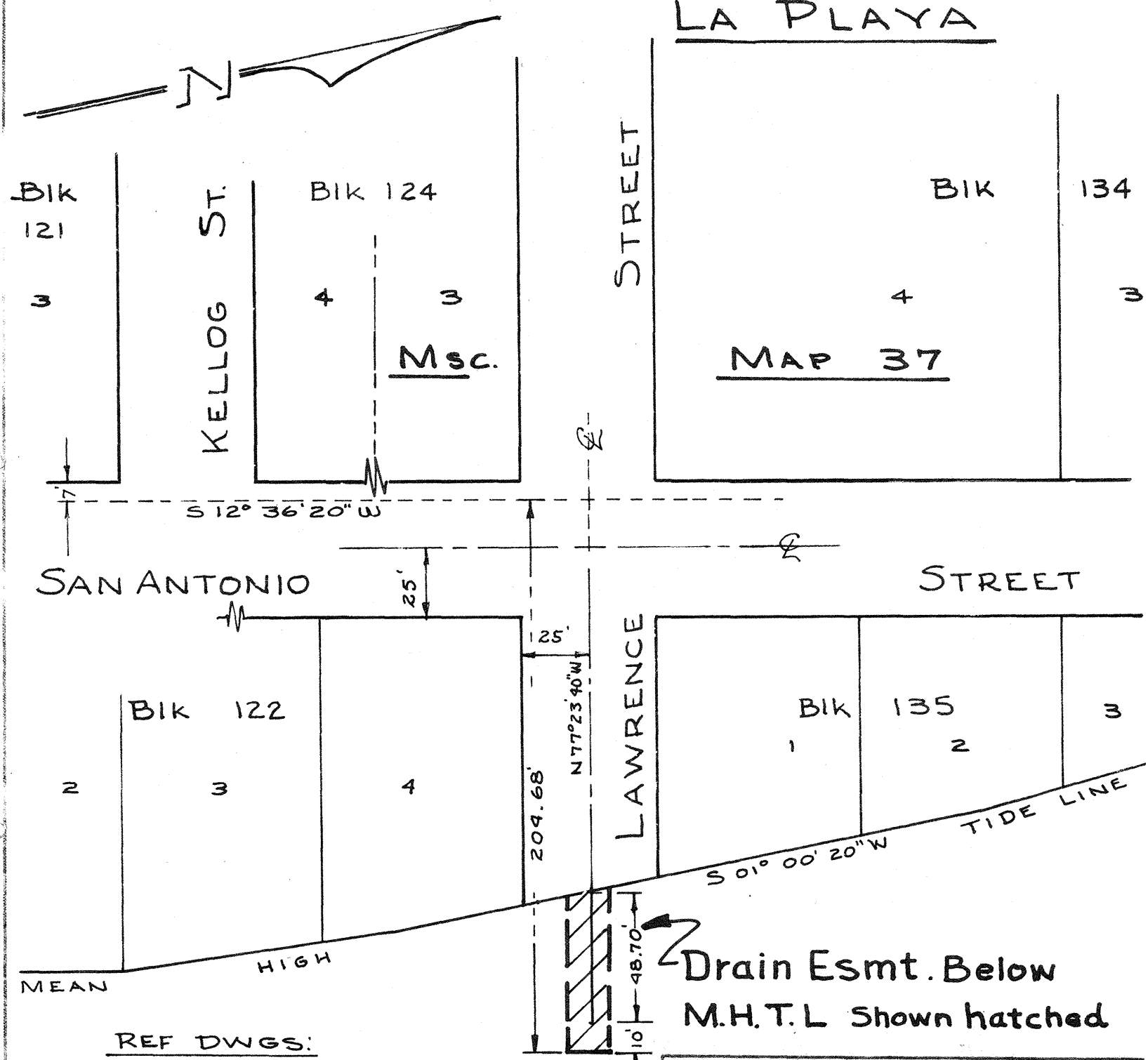
SAN DIEGO UNIFIED PORT DISTRI

DOCUMENT No. 3383

FILED JUN 28 1968

MICROFILM NO. 31

OFFICE OF THE CLERK



Drain Esmt. Below M.H.T.L Shown hatched

REF DWGS:

14370-L Sheet 12 of 12
City Survey Sheet 1 of 1 index
198-1695 Oct 22, 1965

APPROVALS	
CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
UTILITIES DIRECTOR	CHIEF ENGINEER
PUBLIC WORKS DIRECTOR	
ORIGINAL CONVEYANCE DOCUMENT NO. 651833 FILED FEB. 15, 1963	ORIGINAL CONVEYANCE DOCUMENT NO. 71 FILED FEB. 13, 1963

PLANNING	RECORDS ENGR	CONTROL ENGR.	OFFICE ENGR.
		6-24-68	

DRAWN BY RCT
CHECKED BY
INDEX 198-1695
SCALE 1" = 50'
W.O. 17430

CITY OF SAN DIEGO - ENGINEERING DEPARTMENT

Drain Esmt. Ely. of LAWRENCE STREET termination, below M.H.T.L.

TIDELANDS

DATE

SHEET 9 OF 1

9220-9-

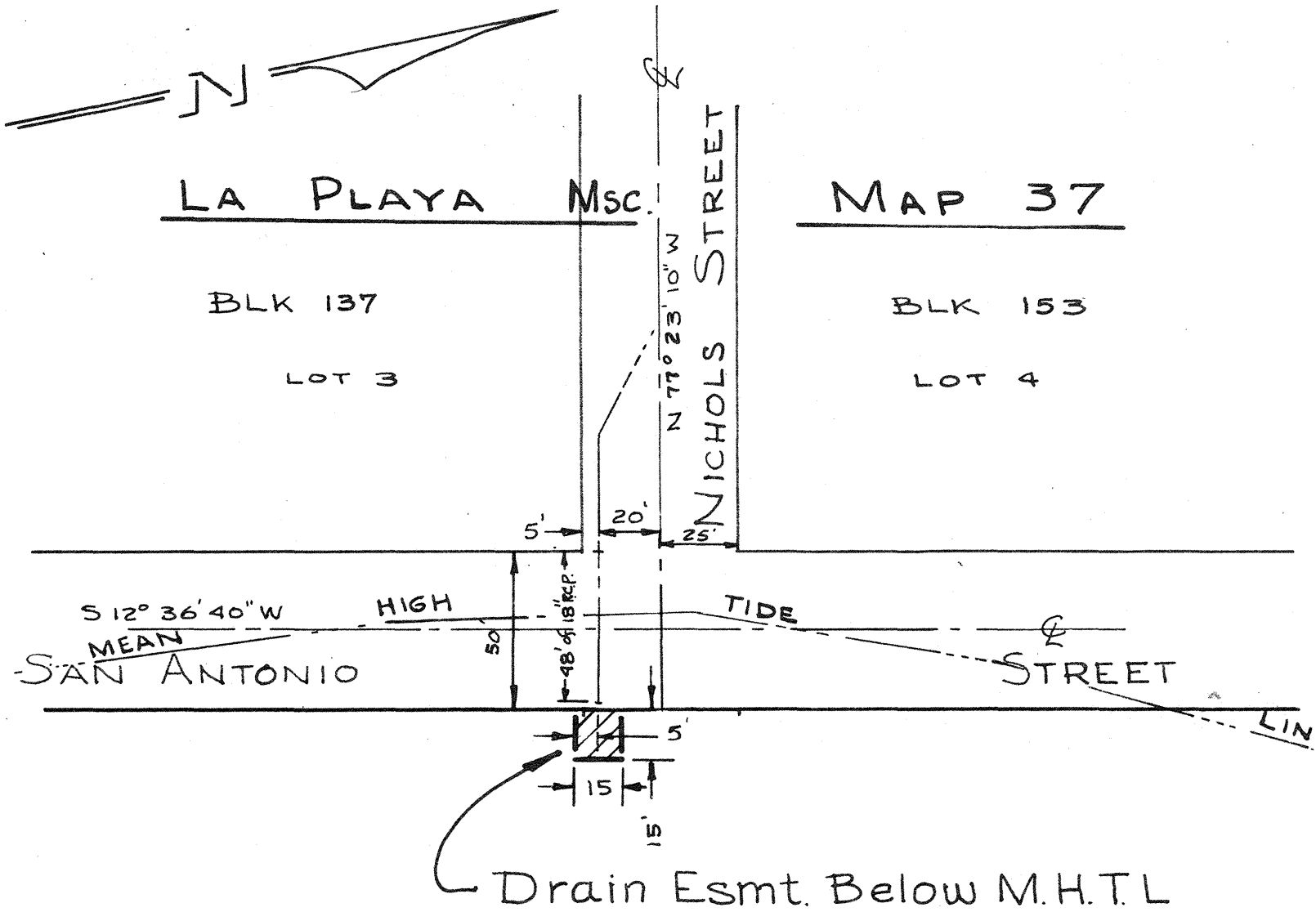
SAN DIEGO UNIFIED PORT DI

DOCUMENT NO. 3383

FILED JUN 28 1968

MICROFILM NO. 31

OFFICE OF THE CLERK



Drain Esmt. Below M.H.T.L
Show hatched

Ref Dwgs:

5657-D
14307-L Sh. 12 of 12

APPROVALS	
CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
UTILITIES DIRECTOR	CHIEF ENGINEER
PUBLIC WORKS DIRECTOR	
ORIGINAL CONVEYANCE DOCUMENT NO. 651833 FILED FEB. 15, 1963	ORIGINAL CONVEYANCE DOCUMENT NO. 71 FILED FEB. 13, 1963

PLANNING	RECORDS ENGR	C.T.J. 6-24-68 CONTROL ENGR.	OFFICE ENGR.

DRAWN BY [illegible]
CHKD
INDEX 198-1695
SCALE 1" = 50'
W.O. 17430

CITY OF SAN DIEGO - ENGINEERING DEPARTMENT

Drain Esmt Ely of the intersection of Nichols & San Antonio St's in tidelands

DATE 6-24-68

CITY ENGINEER

SHEET 10 OF 19

9220-10-E

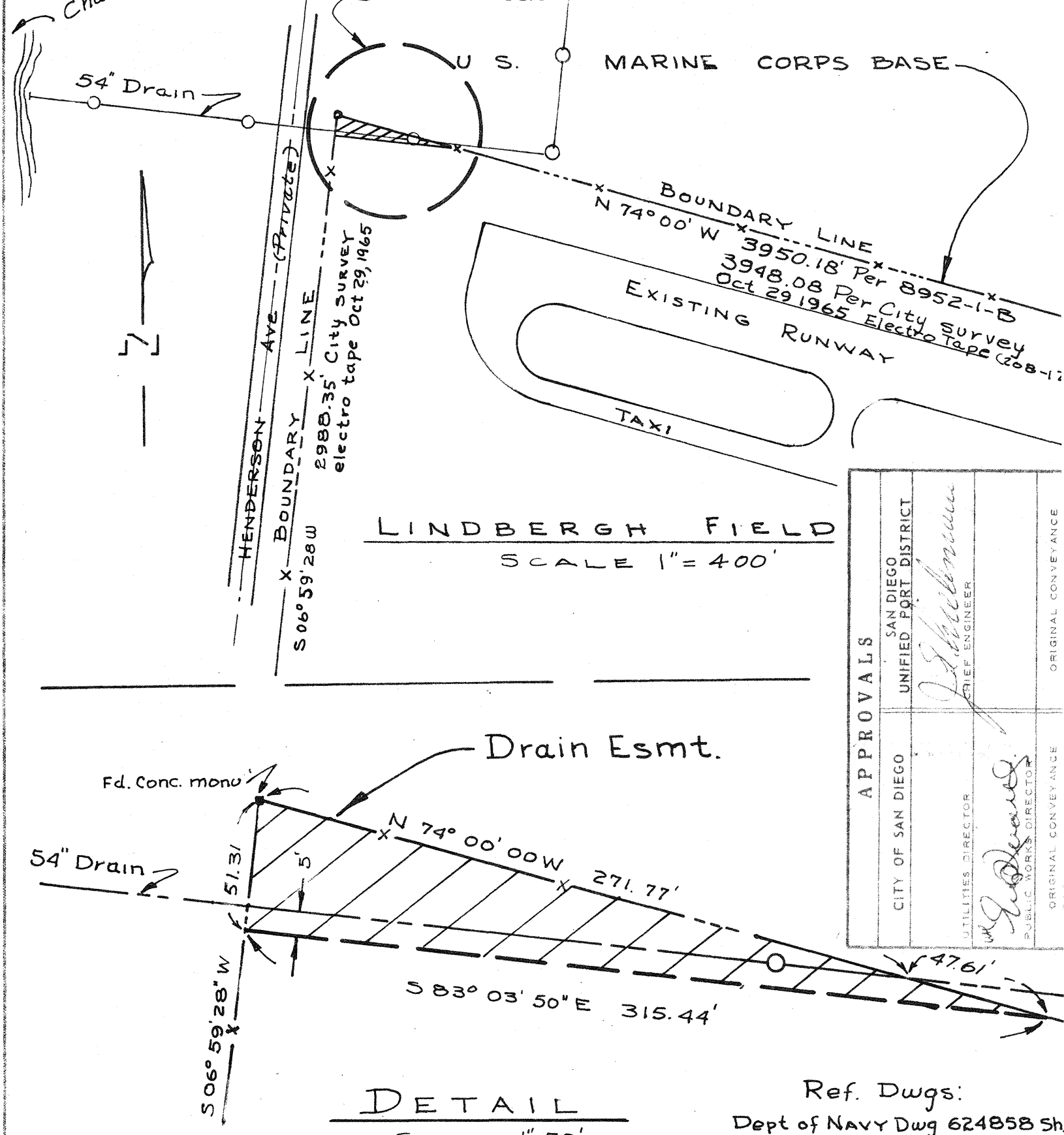
SAN DIEGO UNIFIED PORT DISTRICT

DOCUMENT NO. 3383

FILED JUN 28 1968

MICROFILM NO. 31

OFFICE OF THE CLERK



APPROVALS

SAN DIEGO UNIFIED PORT DISTRICT — CHIEF ENGINEER — ORIGINAL CONVEYANCE

CITY OF SAN DIEGO — UTILITIES DIRECTOR — PUBLIC WORKS DIRECTOR — ORIGINAL CONVEYANCE

Ref. Dwgs:

Dept of Navy Dwg 624858 Sh

City 8952-1-B, City SURVEY O

54" Drain Oct 29, 1965 INDEX -

208-1707 Sh 1 of 1

PLANNING | RECORDS ENGR | CITY ENGR. 6-24-68 CONTROL ENGR. | OFFICE ENGR.

DRAWN BY

CHECKED BY

C. INDEX 208-1707

SCALE As Noted

W.O. 17430

CITY OF SAN DIEGO - ENGINEERING DEPARTMENT

Drain Esmt. in tidelands of Lindbergh Field at N'wly. end of runway

TIDELANDS

DATE 6-24-68

CITY ENGINEER

SHEET 11 OF 19

9220-11-E

BLK. 75
5 8
6 7
ROSEVILLE
MAP No 165
S 35°45'10" W
8
7
BLK. 62
North
Scott
Mean
High
Tide
Street
Curb Line
27.25'
18'
34'
18'
S 22°46'40" W
104.60'
S 01°05'38" W
54.50'
485+42
Harbor Dr. Sta.
96.80'
N 89°36'35" W
Harbor
Drive
Ingelow
Street
Line
R/W Line
12'
13.24'
12'
S 24°35'35" E
257.56'
5'
10'
15'
10'
200'
R/W Line
5
6
1
2

SAN DIEGO UNIFIED PORT DISTRICT

DOCUMENT NO. 3383
FILED JUN 28 1968
MICROFILM NO. 31
OFFICE OF THE CLERK

Ref Dwgs

8011-L, 7837-L
10200-L, 4850-B
City survey Nov 3, 1965
Index - 204-1698

APPROVALS	
CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
UTILITIES DIRECTOR	CHIEF ENGINEER
PUBLIC WORKS DIRECTOR	
ORIGINAL CONVEYANCE DOCUMENT NO. 651833 FILED FEB. 15, 1963	ORIGINAL CONVEYANCE DOCUMENT NO. 71 FILED FEB. 13, 1963

PLANNING	RECORDS ENGR.	CONTROL ENGR.	OFFICE ENGR.
		CTJ 6-24-68	

DRAWN BY Ref
CHECKED BY
INDEX: 204-1699
SCALE 1" = 50'
W.O. 17430

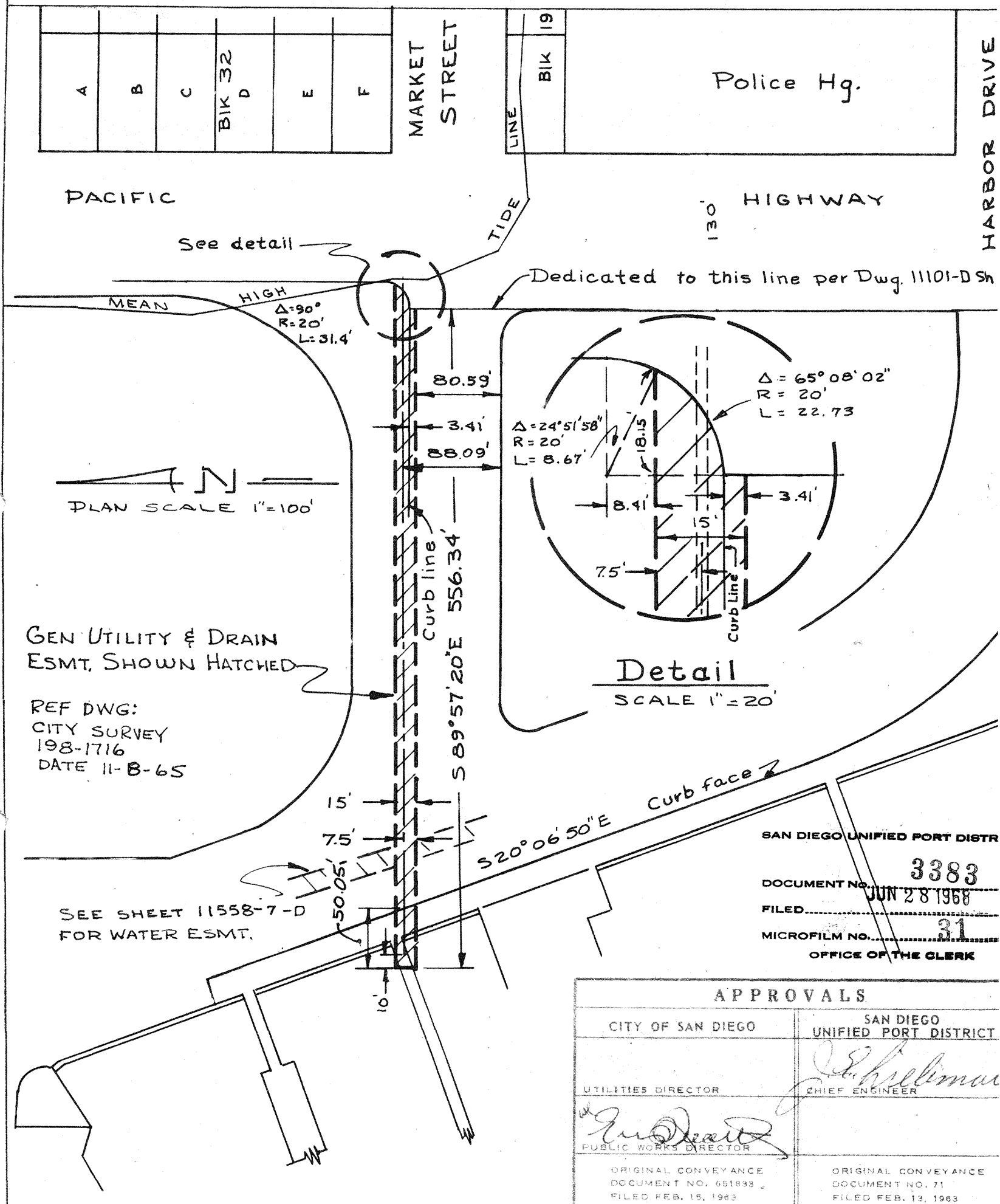
CITY OF SAN DIEGO - ENGINEERING DEPARTMENT

Drain Esmt. S'ly of the intersection of North Harbor Dr & Scott Street in Tideland

TIDELANDS

DATE 6-24-68
CITY ENGINEER

SHEET 12 OF 19
9220-12-B



SAN DIEGO UNIFIED PORT DISTR

DOCUMENT NO. 3383

FILED JUN 28 1968

MICROFILM NO. 31

OFFICE OF THE CLERK

APPROVALS	
CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
UTILITIES DIRECTOR	CHIEF ENGINEER
PUBLIC WORKS DIRECTOR	
ORIGINAL CONVEYANCE DOCUMENT NO. 651838 FILED FEB. 15, 1963	ORIGINAL CONVEYANCE DOCUMENT NO. 71 FILED FEB. 13, 1963

		PLANNING	RECORDS ENGR.	O.T.J. 6-24-68 CONTROL ENGR.	OFFICE ENGR.

DRAWN BY

CHECKED BY

INDEX 198-1715

SCALE AS NOTED

W.O. 17430

CITY OF SAN DIEGO - ENGINEERING DEPARTMENT

GEN. UTILITY & DRAIN ESMT. – Wly of the intersection of Pacific Hwy. & Market Street, in TIDELANDS

DATE 6-26-68

CITY ENGINEER

SHEET 13 OF 19

9220-13-B

SAN DIEGO UNIFIED PORT DISTRICT

DOCUMENT No. 3383

FILED JUN 28 1968

MICROFILM No. 31

OFFICE OF THE CLERK

G | Union St. | BLK 25 F G | Front Street | BLK B F G

MEAN HIGH TIDE LINE

Island Ave.

HORTON'S ADDIT. D.B. 13/522

BLK 13: A L, K K

BLK A: A L, B K, C J, D I, H

NAVY FIELD

Sta. 183+13.85 M.H.T. Baseline

N 0° 04' 40" E 174.06'

17.92'

15'

10'

5'

352.36'

S 54° 20' 40" E

Sta. 178+56.25 M.H.T.L. Baseline

15.80

N 33° 26' 20" E

160.31'

(S 63° 21' 36" E 75.94')

(S 36° 32' 56" E 35.99')

S 08° 54' 05" E 37.91'

N 52° 16' 57" W 25.02'

Drain Esmt Below M.H.T.L. Shown hached

N 50° 49' 18" W

Harbor Drive

14'

120'

10'

S 70° 53' 25" W 725.69'

REF DWG:

1977-L
City survey 196-1719
11-2-65 3 Sheets
14307-L
6155-6-R

APPROVALS	
CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
UTILITIES DIRECTOR	CHIEF ENGINEER
PUBLIC WORKS DIRECTOR	
ORIGINAL CONVEYANCE DOCUMENT NO. 651893 FILED FEB. 15, 1963	ORIGINAL CONVEYANCE DOCUMENT NO. 71 FILED FEB. 13, 1963

PLANNING	RECORDS ENGR.	CONTROL ENGR.	OFFICE ENGR.
		O.T.A. 6-24-68	

DRAWN BY

CHECKED BY

INDEX 198-1716

SCALE 1" = 100'

W.O. 17430

CITY OF SAN DIEGO - ENGINEERING DEPARTMENT

Drain Esmt.-Below M.H.T.L.-Sly of Union & Front Streets-Thru Navy Field. in TIDELANDS

DATE

CITY ENGINEER

SHEET 14 OF 19

9220-14 B

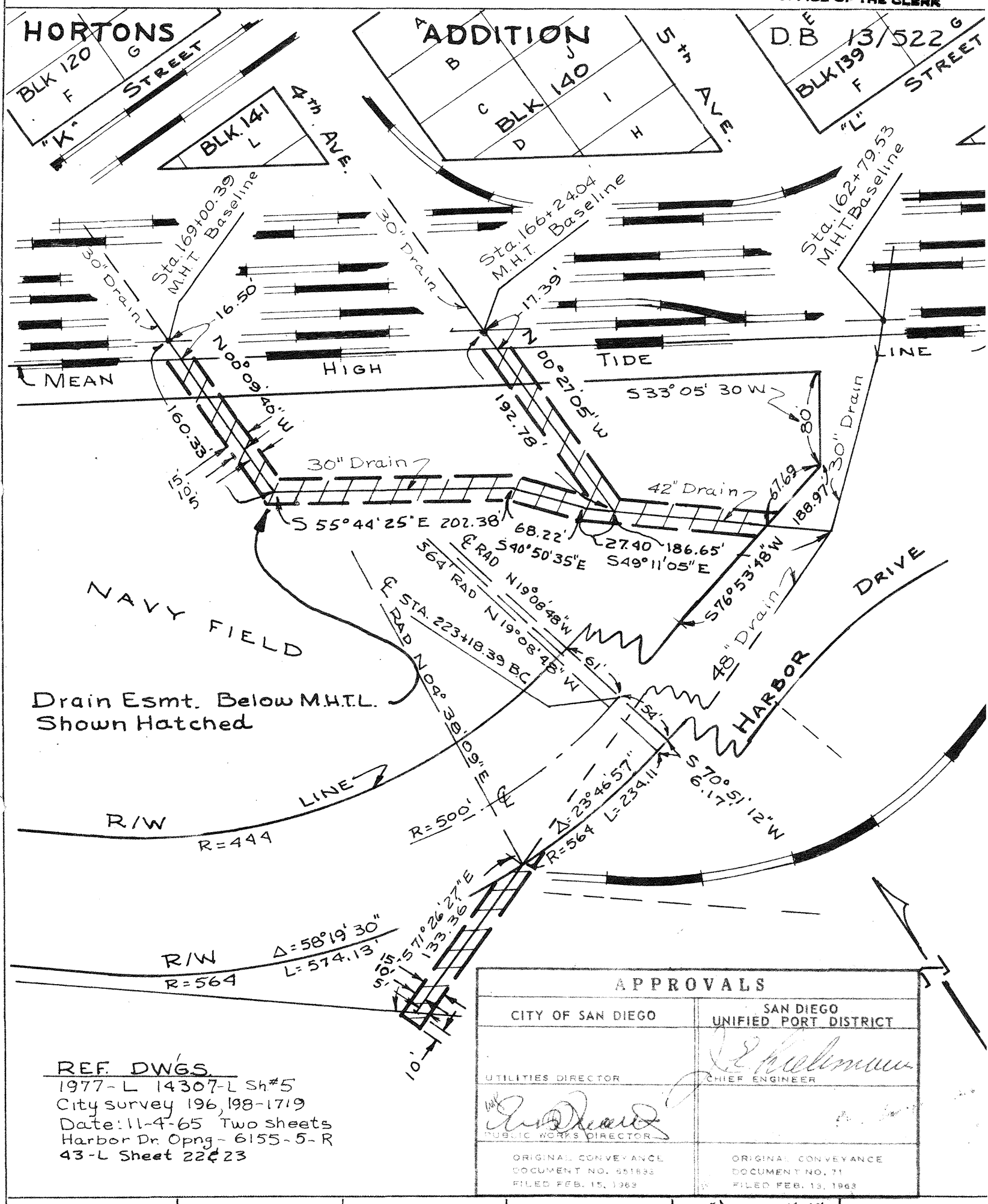
SAN DIEGO UNIFIED PORT DISTRICT

DOCUMENT NO. 3383

FILED JUN 28 1968

MICROFILM NO. 31

OFFICE OF THE CLERK



REF. DWGS.
1977-L 14307-L Sh#5
City survey 196, 198-1719
Date: 11-4-65 Two sheets
Harbor Dr. Opng - 6155-5-R
43-L Sheet 22 & 23

APPROVALS	
CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
UTILITIES DIRECTOR	CHIEF ENGINEER
PUBLIC WORKS DIRECTOR	
ORIGINAL CONVEYANCE DOCUMENT NO. 851835 FILED FEB. 15, 1963	ORIGINAL CONVEYANCE DOCUMENT NO. 71 FILED FEB. 13, 1963

PLANNING	RECORDS ENGR.	CONTROL ENGR.	OFFICE ENGR.
		O.T. 6-24-68	

DRAWN BY
CHECKED BY
FIELD BOOKS
INDEX 196-1719
SCALE 1"= 100'
W.O. 17430

CITY OF SAN DIEGO - ENGINEERING DEPARTMENT

Drain Esmts Below M.H.T.L. Sly. of 3RD & 4Th Streets. & Sly. of Harbor Drive, in Tidelands

DATE 6-21-68

CITY ENGINEER

SHEET 15 OF 19

9220-15-B

LINDBERGH FIELD

100'

54'

N 86° 26' 10" W

Sta. 403+50
℄ Harbor Dr.

Sta. 396+50
℄ Harbor Dr.

℄

54'

NORTH HARBOR DRIVE

100'

General Utility Esmt Resol. 189562 2-14-67

S 2° 42' 40" W 143.00'

15'
10'
5'

S 3° 04' 40" W 111.00'

5'
10'
15'

10'

10'

Drain Esmt. Below M.H.T.L.
Shown Hatched

SAN DIEGO UNIFIED PORT DIST

DOCUMENT No. 3383

FILED JUN 28 1968

MICROFILM No. 31

OFFICE OF THE CLERK

Ref Dwg's
6155-9-R
City survey 204-1707 Oct. 29, 1965

APPROVALS

CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
UTILITIES DIRECTOR	CHIEF ENGINEER
PUBLIC WORKS DIRECTOR	
ORIGINAL CONVEYANCE DOCUMENT NO. 691833 FILED FEB. 15, 1963	ORIGINAL CONVEYANCE DOCUMENT NO. 71 FILED FEB. 13, 1968

		PLANNING	RECORDS ENGR.	CONTROL ENGR. 6-24-68	OFFICE ENGR.

DRAWN BY
CHECKED BY
FIELD BOOKS
INDEX 204-1707
SCALE 1" = 50'
W.O. 17430

CITY OF SAN DIEGO - ENGINEERING DEPARTMENT

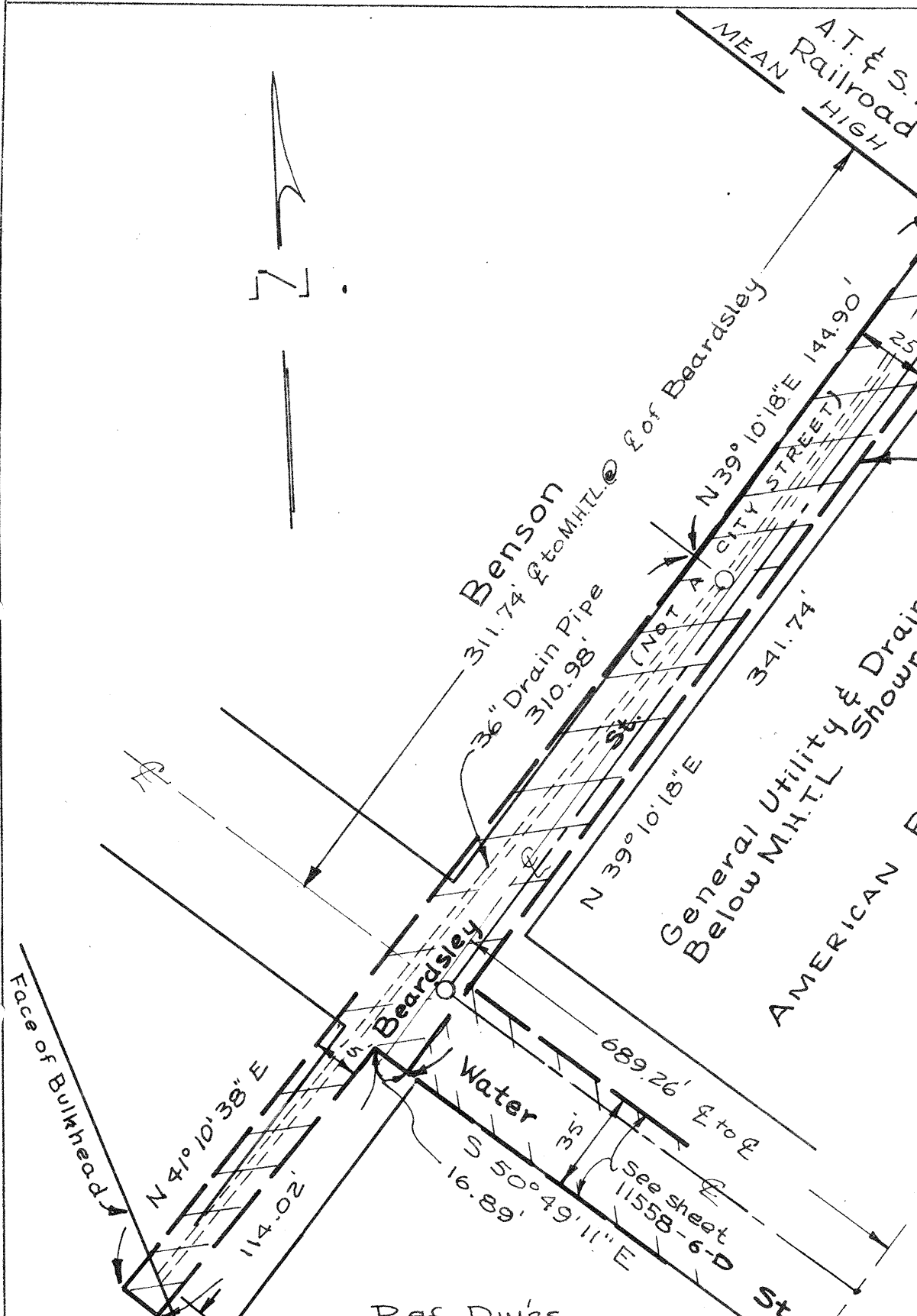
Drain Esmt. Below M.H.T.L Sly of Lindbergh Field in Tidelands

DATE 6-24-68

CITY ENGINEER

SHEET 16 OF 19

9220-16-E



Ref. Dwgs.
14736-L
City survey 194-1722
10-28-65

SAN DIEGO UNIFIED PORT DI

DOCUMENT NO. 3383
FILED JUN 28 1968
MICROFILM NO. 31
OFFICE OF THE CLERK

APPROVALS

SAN DIEGO UNIFIED PORT DISTRICT
CHIEF ENGINEER
ORIGINAL CONVEYANCE DOCUMENT NO. 71

CITY OF SAN DIEGO
UTILITIES DIRECTOR
PUBLIC WORKS DIRECTOR
ORIGINAL CONVEYANCE DOCUMENT NO. 65183

PLANNING	RECORDS ENGR.	CONTROL ENGR.	OFFICE ENGR.
		O.T.J. 6-24-68	

DRAWN BY
CHECKED BY
FIELD BOOKS 194-1721
SCALE 1" = 50
W.O. 17430

CITY OF SAN DIEGO - ENGINEERING DEPARTMENT

General Utility & Drain Esmt. in Tidelands swly. of Beardsly St. & Harbor Dr. Below M.H.T.L.

DATE
CITY ENGINEER
SHEET 17 OF 19
9220-17-B

REF 206-D-2 HARBOR

ESMTS BELOW M.H.T.L. SHOWN HATCHED

SAN DIEGO BAY

BULKHEAD LINE

R/W LINE

N 00° 00' 40" E

DRIVE

R/W LINE

ADMIN.

CENTER

R.O.S. 6194

Sta. 303+06.50

Sta. 304+00.60

15'
5'
3'
S 89° 16' 40" W
13'

75'
90'

Sta. 298+22.08

15'
5'
3'
S 89° 44' 40" W
13'

U. S.

Sta. 295+43.52

15'
5'
3'
S 88° 26' 40" W
13'

SAN DIEGO

U. S.

HARBOR

NORTH

COUNTY

Sta. 294+41.42

ASH STREET

SAN DIEGO UNIFIED PORT DISTRIC

DOCUMENT NO. 3383

FILED JUN 2 8 1968

MICROFILM NO. 31

OFFICE OF THE CLERK

APPROVALS

SAN DIEGO UNIFIED PORT DISTRICT
CHIEF ENGINEER
ORIGINAL CONVEYANCE

CITY OF SAN DIEGO
UTILITIES DIRECTOR
PUBLIC WORKS DIRECTOR
ORIGINAL CONVEYANCE

REF: DWGS

40-L Sheets 4 & 5
6155- R
City survey 202-1716
11-10-65

		PLANNING	RECORDS ENGR.	CONTROL ENGR. 6-24-68	OFFICE ENGR.

DRAWN BY
CHECKED BY
FIELD BOOKS
INDEX 202-1716
SCALE 1" = 100'
W.O. 17430

CITY OF SAN DIEGO - ENGINEERING DEPARTMENT

Drain Esmts Wly. of North Harbor Drive & Nly. of Ash St. in Tidelands

DATE

CITY ENGINEER

SHEET 18 OF 19

9220-18-E

Nly R/W Line

DRIVE

HARBOR

Sly R/W Line

5'

15'

L=101°50'

20' ROADWAY

+1

46'

190'±

289'±

605'
of Pipe

16" C.I. WA

S.D. HARBOR ENTERPRISES

MUELLER TRANSPORTATION CO

8" C.I. SEWER

SCRAP

PATTERN

LANDS

SAN DIEGO UNIFIED PORT DISTRICT
3383
DOCUMENT NO.
FILED JUN 28 1968
MICROFILM NO. 31
OFFICE OF THE CLERK

APPROVALS

CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
UTILITIES DIRECTOR	CHIEF ENGINEER
PUBLIC WORKS DIRECTOR	
ORIGINAL CONVEYANCE DOCUMENT NO. 651839 FILED FEB. 1, 1963	ORIGINAL CONVEYANCE DOCUMENT NO. 71 FILED FEB. 13, 1963

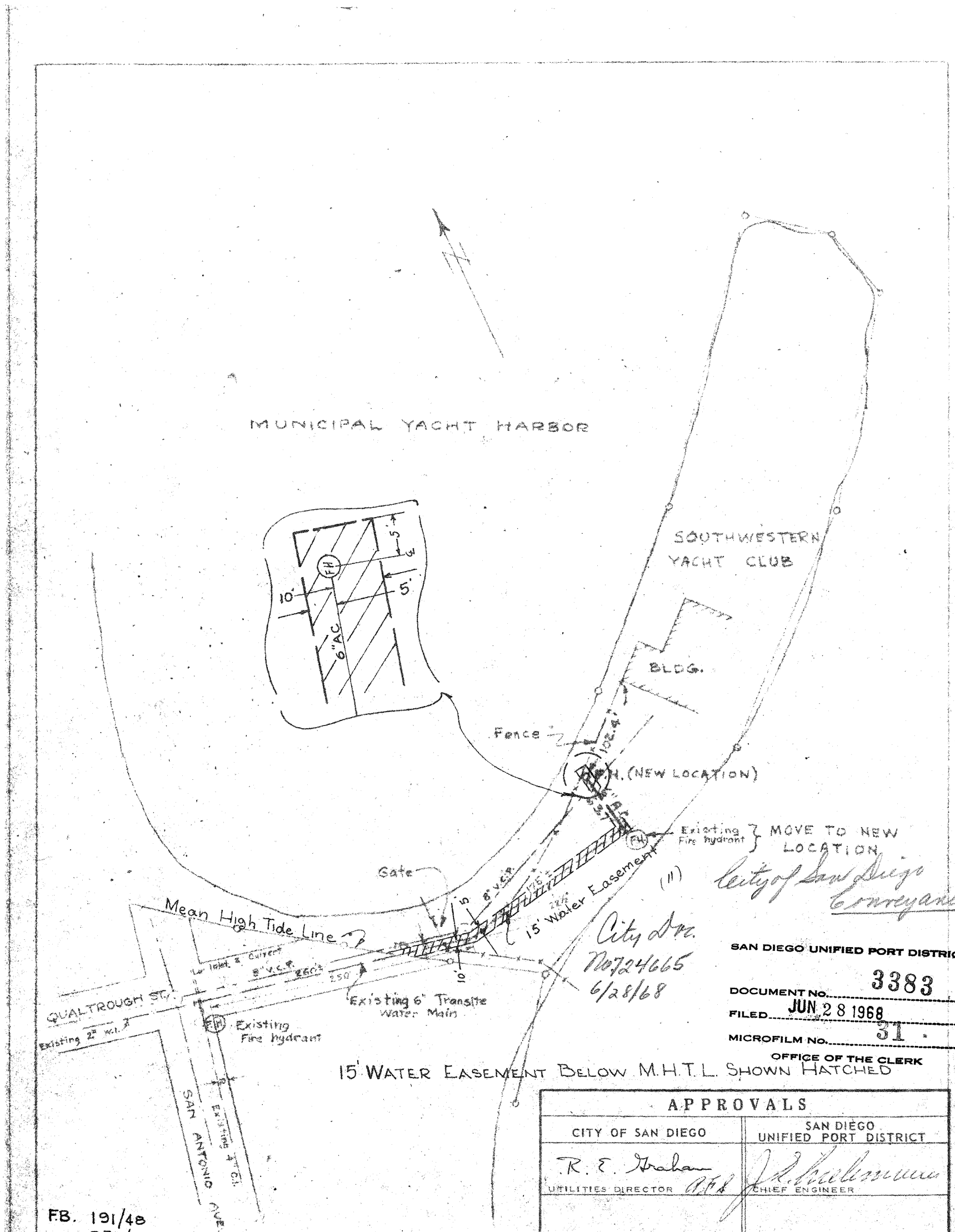
PLANNING		RECORDS ENGR.	O.T.J. 6-24-68 CONTROL ENGR.	OFFICE ENGR.

DRAWN BY Def
CHECKED BY
FIELD BOOKS
INDEX 190-1727
SCALE 1" = 100'
W.O. 17430

CITY OF SAN DIEGO - ENGINEERING DEPARTMENT

DRAIN ESMT. - Sly of HARBOR DR. & Ely of 28th St below M.H.T.L.

DATE 6-24-68
CITY ENGINEER
SHEET 19 OF
9220-19


MUNICIPAL YACHT HARBOR
SOUTHWESTERN YACHT CLUB
BLDG.
Fence
F.H. (NEW LOCATION)
Existing Fire hydrant
MOVE TO NEW LOCATION
Gate
8" V.C.P.
15' Water Easement
Mean High Tide Line
Inlet & Current
8" V.C.P.
250'
QUALTROUGH ST.
Existing 2" W.L.
Existing 6" Transite Water Main
Existing Fire hydrant
SAN ANTONIO AVE.
Existing 4" T.C.
10'
5'
6" AC
City Dr. No. 724665
6/28/68
City of San Diego Conveyance
SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3383
FILED JUN 28 1968
MICROFILM NO. 31
OFFICE OF THE CLERK
15' WATER EASEMENT BELOW M.H.T.L. SHOWN HATCHED
APPROVALS
CITY OF SAN DIEGO
SAN DIEGO UNIFIED PORT DISTRICT
R. E. Graham
UTILITIES DIRECTOR
CHIEF ENGINEER
PUBLIC WORKS DIRECTOR
ORIGINAL CONVEYANCE DOCUMENT NO. 651835 FILED FEB. 15, 1963
CONVEYANCE FILED FEB. 13, 1963
F.B. 191/48
250/13
Revised 4-21-59 by M.R.S.
PLANNING
RECORDS ENGR.
C.F.J. 6-24-68
CONTROL ENGR.
OFFICE ENGR.
DRAWN BY J.A.
CHECKED BY
FIELD BOOKS 200-1697
SCALE 1" = 100'
W.O. 17430
CITY OF SAN DIEGO - ENGINEERING DEPARTMENT
WATER EASEMENT
Qualtrough St. below M.H.T.L.
TIDELANDS
DATE 6/24/68
CITY ENGINEER
SHEET 1 OF 11
9222-1-B
HARBOR No. 297-MB

SAN DIEGO UNIFIED PORT DISTRICT

DOCUMENT No. 3383

FILED JUN 28 1968

MICROFILM No. 31

OFFICE OF THE CLERK

APPROVALS

CITY OF SAN DIEGO — UNIFIED PORT DISTRICT

UTILITIES DIRECTOR R. E. Graham — CHIEF ENGINEER

PUBLIC WORKS DIRECTOR

ORIGINAL CONVEYANCE DOCUMENT NO. 651833 FILED FEB. 15, 1963

ORIGINAL CONVEYANCE DOCUMENT NO. 71 FILED FEB. 1963

ROSECRANS ST.

NOTE
WATER DEPARTMENT
INSTALL 4" & 6" DIP INCL.
4" FIRE HYDRANT & TEE
HARBOR DEPT. TO INSTALL
BALANCE OF WATER MAIN
REQUIRED

MAKE CONNECTION TO EXISTING 6" WATER MAIN

6" SLEEVE

6" GATE VALVE

6" GATE VALVE
6" SLEEVE TEE
6"x2" REDUCER

43

46

59

EMERSON ST.

FENELON ST.

GARRISON ST.

MEAN HIGH TIDE LINE

SCOTT ST.

21" VC SEWER

45

44

168'

20'

10'

TEE FIXT.

77'

W.L. BASE LINE
7 JTS. 8" DIP
2-8"x6" REDUCERS
2-6" PIPE NIPPLES
2-6" GATE VALVE

TO MUNICIPAL

STORM DRAIN LINE

8-1" CROSS

TIDELAND

DEAD

General
Utility Easement
below M.H.T.L. shown
hatched.

Feet

5'

15'

10'

77'

10'

BLDG.

PIER

CONC. PIPE FOOTING

PLANNING | RECORDS ENGR | O.T.J. 6-24-68 CONTROL ENGR. | OFFICE ENGR.

DRAWN BY JA.
CHECKED BY
FIELD BOOKS 204-1699
SCALE 1" = 100'
W.O. 17430

CITY OF SAN DIEGO - ENGINEERING DEPARTMENT

WATER EASEMENT
Ext. Fenelon St. below M.H.T.L.

TIDELANDS

DATE 6-24-68

E. F. Gardiner
CITY ENGINEER

SHEET 2 OF 11

9222-2-B

HARBOR No 237-MB

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3383
FILED JUN 28 1968
MICROFILM NO. 31
OFFICE OF THE CLERK

JARVIS ST.
INGELOW ST.
SCOTT ST.
NORTH HARBOR DRIVE
1160 ST.
FENELON ST.
GARRISON ST.
Fin Grade 9.3'
Fin Grade 10.6'
Fin Grade 12.0'
Top Pipe 16.7
Depot Lease
Zachau Lease
30'
S.Wly. line Scott St. (Ref. 1101-B)
SEly. Prolongation of S.Ely. line of Garrison St.
10' Main
BAY OF SAN DIEGO

APPROVALS
CITY OF SAN DIEGO
UTILITIES DIRECTOR R. E. Graham
PUBLIC WORKS DIRECTOR
SAN DIEGO UNIFIED PORT DISTRICT
CHIEF ENGINEER
ORIGINAL CONVEYANCE DOCUMENT NO. 71 FILED FEB. 13, 1963
ORIGINAL CONVEYANCE DOCUMENT NO. 651833 FILED FEB. 15, 1963

General Utility and Drain Easement shown hatched.

Elevations Above M.L.L.W.
Fin Grade 9.3' Below Fin Grade
NOTE: 6" A.C. Water Main to be Abandoned

scale: 1" = 100'

PLANNING	RECORDS ENGR.	CONTROL ENGR.	OFFICE ENGR.
	O.T.J. 6-24-68		

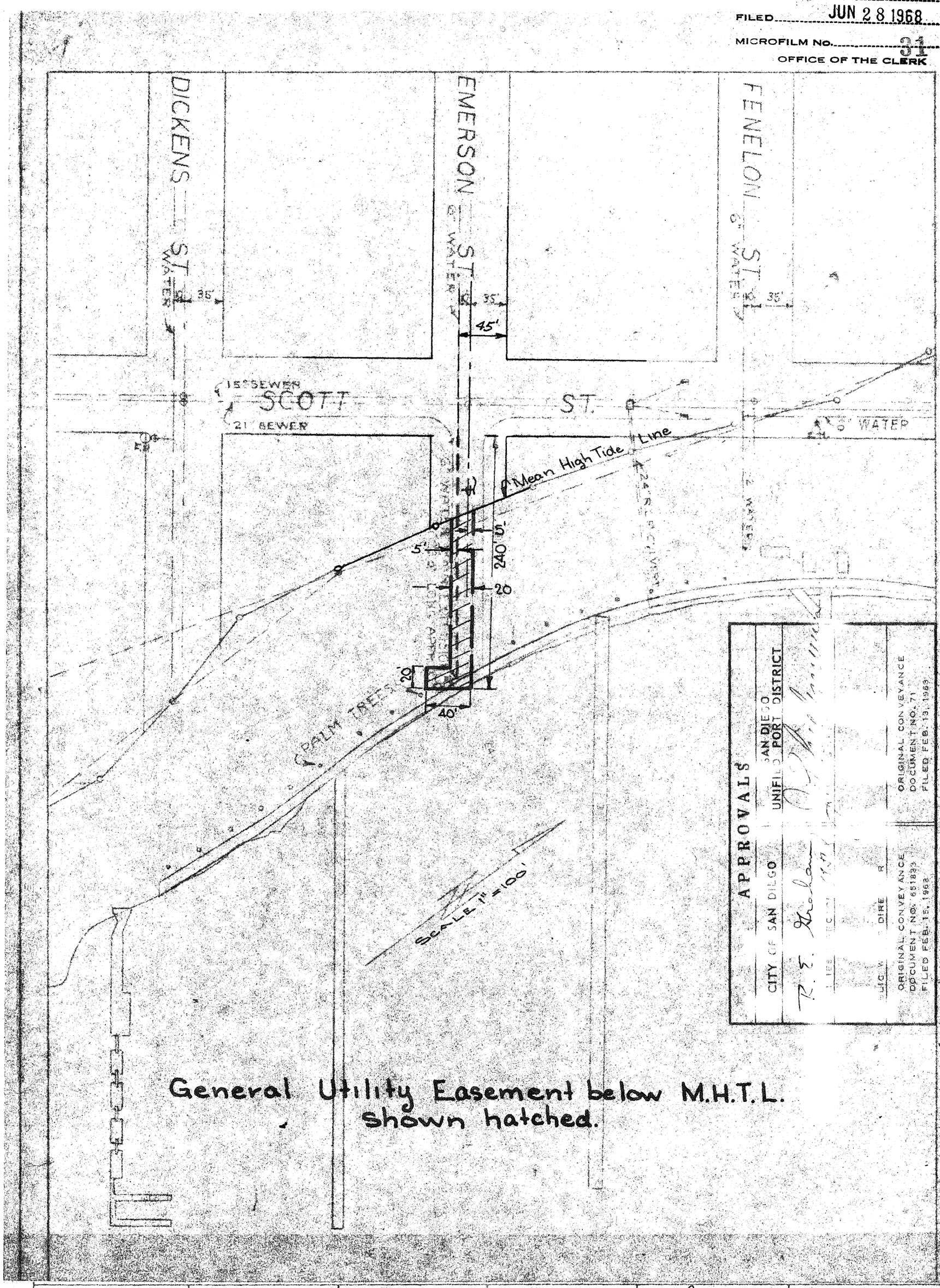
DRAWN BY J.A.
CHECKED BY
FIELD BOOKS 204-1699
SCALE 1" = 100'
W.O. 17430

CITY OF SAN DIEGO - ENGINEERING DEPARTMENT
WATER EASEMENT
Ext. Garrison St. below M.H.T.L.
TIDELANDS

DATE 6-24-68
E. F. Gardiner
CITY ENGINEER
SHEET 3 OF 11
9222-3-B

HARBOR Nº 258-MB-1

SAN DIEGO UNIFIED PORT DISTRICT
3383
DOCUMENT No.
FILED JUN 28 1968
MICROFILM No. 31
OFFICE OF THE CLERK



APPROVALS
CITY OF SAN DIEGO
R. S. Nolan
DIRECTOR OF PUBLIC WORKS
ORIGINAL CONVEYANCE DOCUMENT NO. 651839 FILED FEB. 15, 1963

SAN DIEGO UNIFIED PORT DISTRICT
ORIGINAL CONVEYANCE DOCUMENT NO. 71 FILED FEB. 19, 1969

General Utility Easement below M.H.T.L. shown hatched.

PLANNING	RECORDS ENGR.	CONTROL ENGR.	OFFICE ENGR.
		O.T.J. 6-24-68	

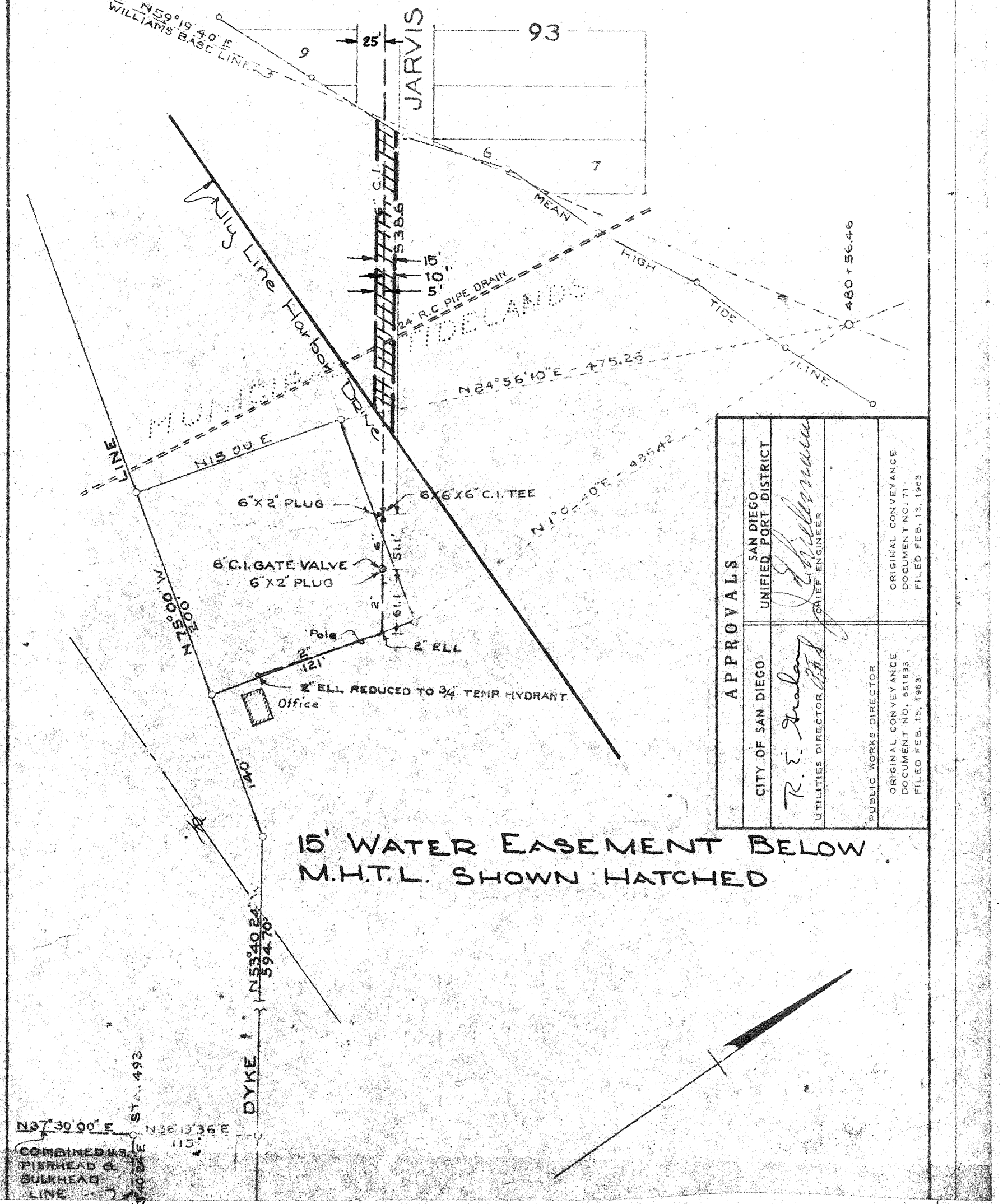
DRAWN BY J.A.
CHECKED BY
FIELD BOOKS 202-1699
SCALE 1" = 100'
W.O. 17430

CITY OF SAN DIEGO - ENGINEERING DEPARTMENT
WATER EASEMENT
Ext. Emerson St. below M.H.T.L.
TIDELANDS

DATE 6-24-68
E. F. Gabrielson
CITY ENGINEER
SHEET 4 OF 11
9222-4-B

HARBOR No. 264-MB

SAN DIEGO UNIFIED PORT DISTRICT
3383
DOCUMENT NO.
FILED JUN 28 1968
MICROFILM No. 31
OFFICE OF THE CLERK



PLANNING | RECORDS ENGR. | C.T.J. 6-24-68 CONTROL ENGR. | OFFICE ENGR.

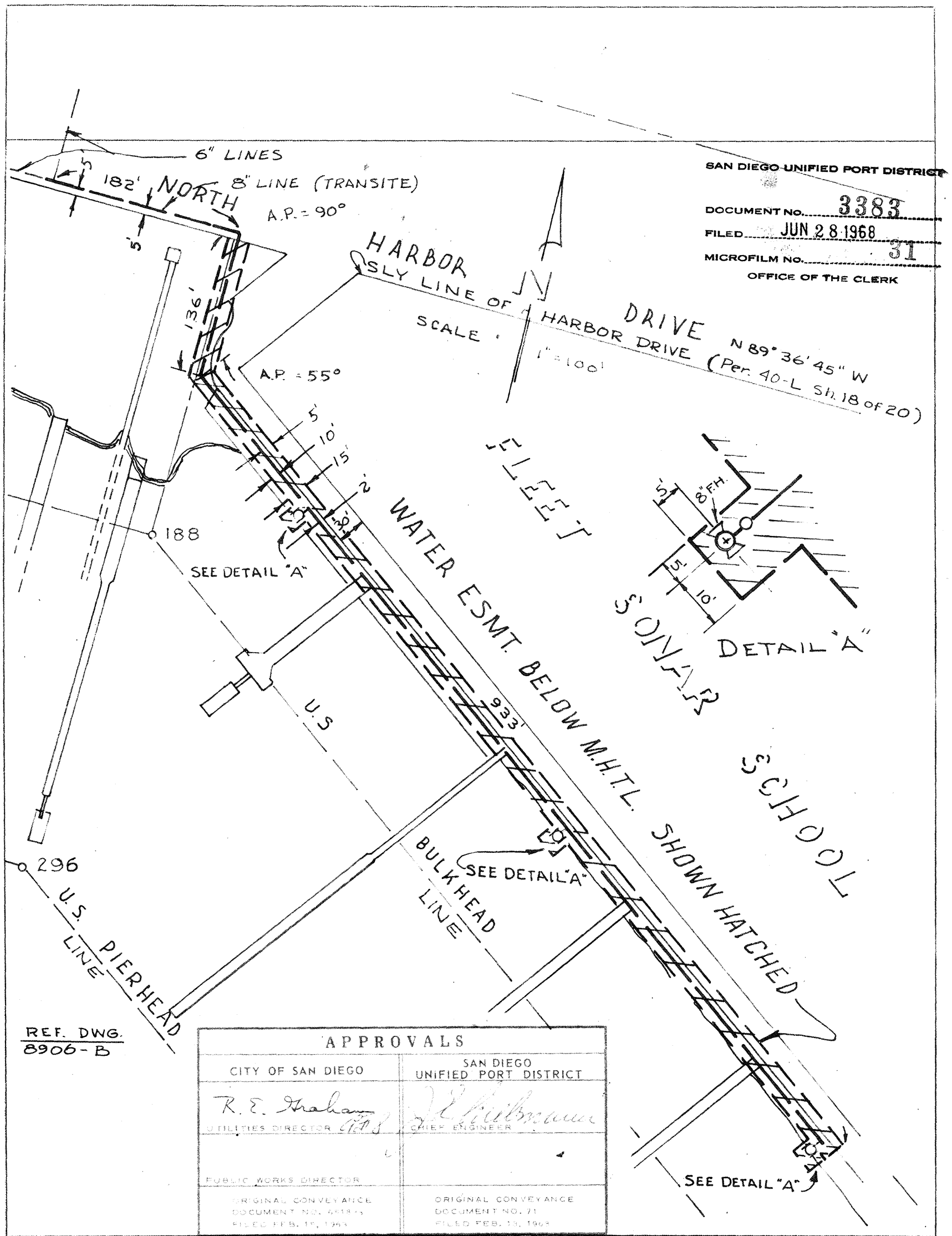
DRAWN BY J.A.
CHECKED BY
FIELD BOOKS 204-1699
SCALE 1"=100'
W.O. 17430

CITY OF SAN DIEGO - ENGINEERING DEPARTMENT
WATER EASEMENT
Ext. Jarvis Street
TIDELANDS

DATE 6-24-68
E. F. Gehrisch
CITY ENGINEER
SHEET 5 OF 11
9222-5-B

HARBOR No. 139-MB

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3383
FILED JUN 28 1968
MICROFILM NO. 31
OFFICE OF THE CLERK



REF. DWG. 8906-B

APPROVALS	
CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
R. E. Graham UTILITIES DIRECTOR	CHIEF ENGINEER
PUBLIC WORKS DIRECTOR	
ORIGINAL CONVEYANCE DOCUMENT NO. 68194 FILED FEB. 15, 1968	ORIGINAL CONVEYANCE DOCUMENT NO. 71 FILED FEB. 13, 1968

PLANNING	RECORDS ENGR.	CONTROL ENGR.	OFFICE ENGR.
		C.T.K. 6-24-68	

DRAWN BY R.C.J.
CHECKED BY
FIELD BOOKS
INDEX 204-1699
SCALE 1" = 100'
W.O. 17430

CITY OF SAN DIEGO - ENGINEERING DEPARTMENT

WATER ESM.T. - Approx. 1,150' ely of Scott St., sly of North Harbor Dr. & sly of Fleet Sonar School, below M.H.T.L.

DATE
CITY ENGINEER
SHEET 6 OF 11
9222-6-B

HARBOR Nº 292-MB

SAN DIEGO UNIFIED PORT DISTRICT

DOCUMENT No. 3383

FILED JUN 28 1968

MICROFILM No. 31

OFFICE OF THE CLERK

AMERICAN CAN CO. SPUR.

A.T. & SANTA FE R.R. N 50°40'20" W

203+45.20

202+83.86± SANTA FE STA.

201+48.00

97+43.11
97+45.36

EXISTING 16" C.I WATER MAIN
N. 50°40'20" W.

98+81.05

49'

98+19.71±

MAKE CONNECTION TO EXISTING 16" WATER MAIN

90°

16"x6" TAPPING SLEEVE
6" TAPPING VALVE

6" PIPE ARC = 60'

R=600'

28'

3'

8" OIL LINE

7.5'

146.65

100+50

APPROVALS

CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
R. E. Graham	J. A. Clemmens
UTILITIES DIRECTOR	CHIEF ENGINEER
PUBLIC WORKS DIRECTOR	
DOCUMENT NO. 57869 FILED FEB. 15, 1968	DOCUMENT NO. FILED FEB. 13,

102+40.86

102

101+75.50

101

176'

210'

MEAN HIGH TIDE LINE

ROADWAY

30' PROPOSED

MH #13 PROPOSED 15" VITRIFIED SEWER

M.H. #12

107.06

N 39°17'E

170.4'

6"

5'

10'

GATE

MATERIAL ESTIMATE

448 LIN FT. - 35 -13' JOINTS - CLASS OF
6" TRANSITE HIGH PRESSURE PIPE REQ'D.
1 - 6"x16 TAPPING SLEEVE & 6" TAPPING VALVE
2 - GATE TAPS & CASINGS
1 - 6"x6"x6" C.I. TEE
1 - 6" GATE VALVE
1 - 6" 2 WAY FIRE HYDRANT
1 - 6"x2" PLUG

60'

3'

12'

39±'

6" PIPE - 12"

16' ROADWAY

15' Water Easement

Water easement below M.H.T.L. shown hatched.

LEGEND

6" WATER MAIN TO BE CONSTRUCTED SHOWN THUS 6"
6" FIRE HYDRANT TO BE INSTALLED " " ⊙
6" C.I. TEES TO BE INSTALLED " " ⊥
6" GATE VALVE TO BE INSTALLED " " ⋈
6"x16" TAPPING SLEEVE & 6" TAPPING VALVE " "

MUNICIPAL

M.H.W.S. TIDE LINE

6" GATE VALVE

5'

15'

M.J. WALSH

MHCOLOEM

SEE 9222-8-B

PLANNING		RECORDS ENGR	C.J. 6-24-68 CONTROL ENGR.	OFFICE ENGR.

DRAWN BY J.A.
CHECKED BY
FIELD BOOKS 192-1723
SCALE 1" = 50'
W.O. 17430

CITY OF SAN DIEGO - ENGINEERING DEPARTMENT

WATER EASEMENT

1127'± N.Wly. from foot of Sampson St. below M.H.T.L.

TIDELANDS

DATE 6-24-68

F. Greenstein
CITY ENGINEER

SHEET 7 OF 11

9222-7-B

HARBOR No 178-MB, Sht. 1 of 2

SAN DIEGO UNIFIED PORT DISTRICT

DOCUMENT NO. 3383

FILED JUN 28 1968

MICROFILM NO. 31

OFFICE OF THE CLERK

M.H. GOLDEN

EXISTING 6" TRANSIT PIPE
16' ROADWAY
S 39° 17' W

S 56° 51' E - 139.42'

SEE 9222-7-B

3'
F.H.
3'
12'

F. W. STEFFGEN

N 39° 17' E - 414.53'

8" TRANSIT PIPE LINE - 187'-6"

15' Water easement

SHEPHERD DIESEL MARINE

MUNICIPAL

TIDELANDS

Water easement below M.H.T.L. shown hatched.

S 33° 09' W - 200'

6"X4" REDUCER
CONC. M.H.
WATER METER

4"C.I. WATER LINE
108'-6"

4"X4" TEE
4" PLUG

4"X3" PLUG

6" PLUGGED

77.9'

100.9'

SEA WALL

S 59° 51' E
U.S. BULKHEAD LINE

LEASE LINE

LEASE LINE

WOOD PILE PIER
3" GALV. STEEL PIPE

WHARF

LEASE

SAN DIEGO

BAY

NOTE: INSTALLATION SOUTH OF FIRE PLUG MADE BY SHEPHERD DIESEL MARINE

APPROVALS

SAN DIEGO UNIFIED PORT DISTRICT
CHIEF ENGINEER
ORIGINAL CONVEYANCE DOCUMENT NO. 71 FILED FEB. 13, 1968

CITY OF SAN DIEGO
UTILITIES DIRECTOR
PUBLIC WORKS DIRECTOR
ORIGINAL CONVEYANCE DOCUMENT NO. 651833 FILED FEB. 15, 1963

SHEET NO. 7 OF 28 SHTS.

		PLANNING	RECORDS ENGR.	CONTROL ENGR. O.T.J. 6-24-68	OFFICE ENGR.

DRAWN BY J.A.
CHECKED BY
FIELD BOOKS 192-1723
SCALE 1" = 50'
W.O. 17430

CITY OF SAN DIEGO - ENGINEERING DEPARTMENT

WATER EASEMENT

1127'± N.Wly. from foot of Sampson St. below M.H.T.L. TIDELANDS

DATE 6-24-68

E. F. Faulkner
CITY ENGINEER

SHEET 8 OF 11
9222-8-B

HARBOR Nº 178-MB, Sht. 1 of 2

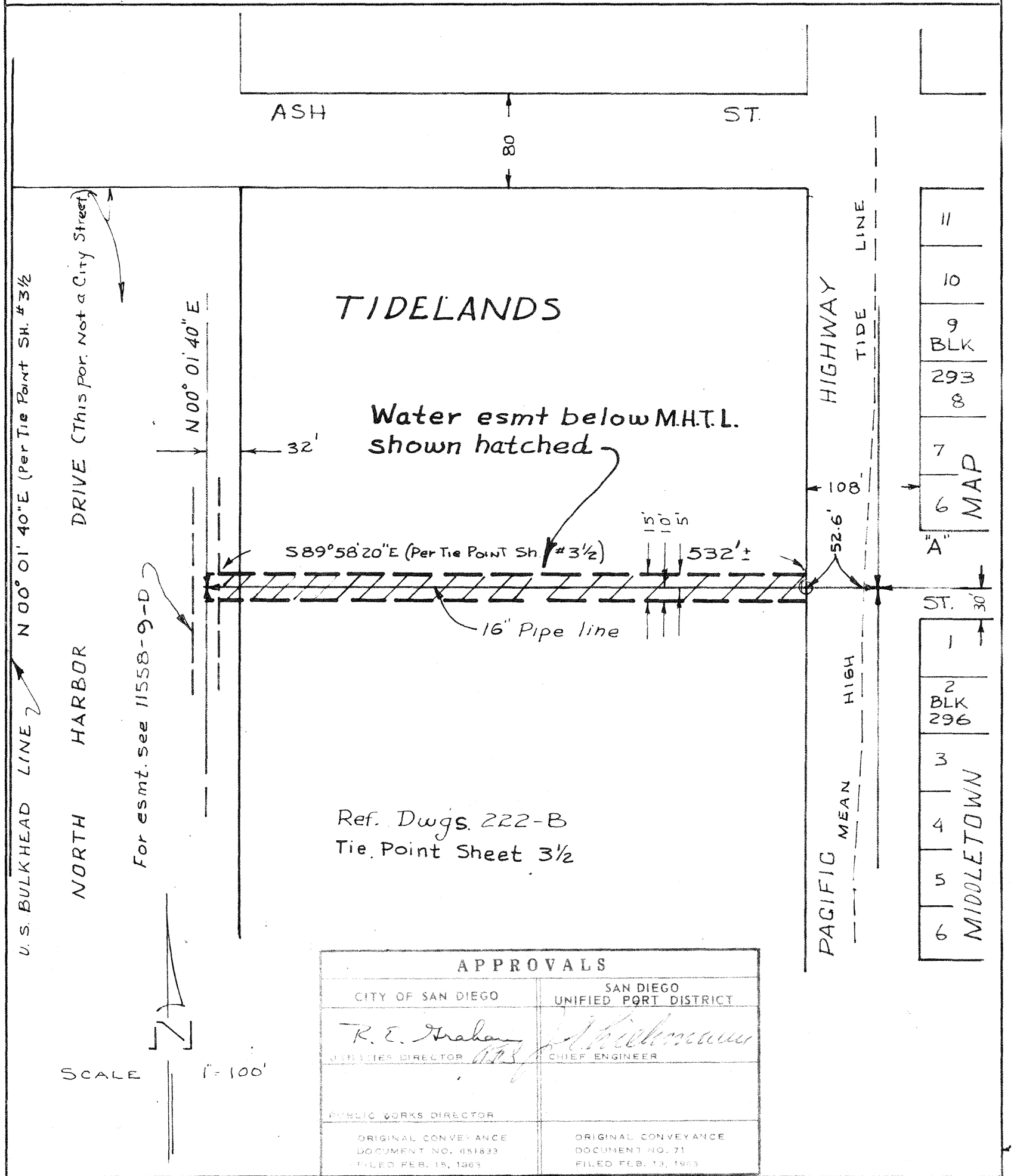
SAN DIEGO UNIFIED PORT DISTRICT

DOCUMENT No. 3383

FILED JUN 28 1968 31

MICROFILM No.

OFFICE OF THE CLERK



Ref. Dwgs. 222-B
Tie Point Sheet 3½

SCALE 1" = 100'

APPROVALS	
CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
R. E. Graham UTILITIES DIRECTOR	CHIEF ENGINEER
PUBLIC WORKS DIRECTOR	
ORIGINAL CONVEYANCE DOCUMENT NO. 651833 FILED FEB. 15, 1963	ORIGINAL CONVEYANCE DOCUMENT NO. 71 FILED FEB. 13, 1963

PLANNING	RECORDS ENGR.	CONTROL ENGR.	OFFICE ENGR.
		6-24-68	

DRAWN BY R.G.J.
CHECKED BY
FIELD BOOKS
INDEX 202-1715
SCALE 1" = 100'
W.O. 17430

CITY OF SAN DIEGO - ENGINEERING DEPARTMENT

WATER ESMT. - Wly of "A" St. below M.H.T.L. bet. Pacific Hwy. & North Harbor Dr.

DATE

CITY ENGINEER

SHEET 9 OF 11

9222-9-B

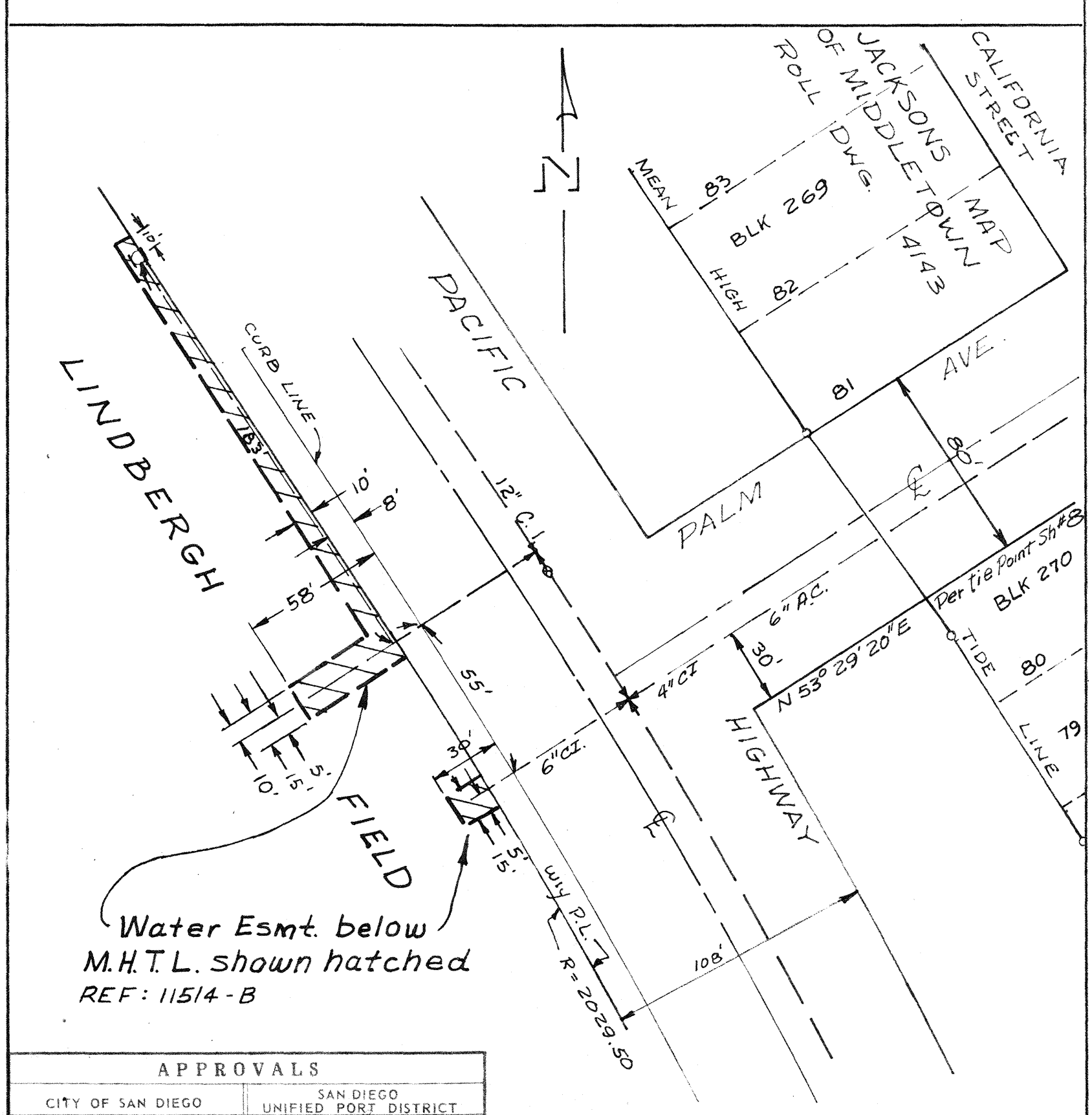
SAN DIEGO UNIFIED PORT DISTRICT

DOCUMENT No. 3383

FILED JUN 28 1968

MICROFILM No. 31

OFFICE OF THE CLERK



APPROVALS	
CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
R. E. Graham UTILITIES DIRECTOR	J. L. Kuhlemeier CHIEF ENGINEER
PUBLIC WORKS DIRECTOR	
ORIGINAL CONVEYANCE DOCUMENT NO. 651833 FILED FEB. 13, 1963	ORIGINAL CONVEYANCE DOCUMENT NO. 71 FILED FEB. 13, 1963

		PLANNING	RECORDS ENGR.	C.T.J. 6-24-68 CONTROL ENGR.	OFFICE ENGR.

DRAWN BY R.C.J.
CHECKED BY
FIELD BOOKS 206-1715
SCALE 1" = 50'
W.O. 17430

CITY OF SAN DIEGO - ENGINEERING DEPARTMENT

WATER EASEMENT - wly of Pacific Hwy at Palm Ave. in TIDELANDS

DATE

CITY ENGINEER

SHEET 10 OF 11

9222-10-B

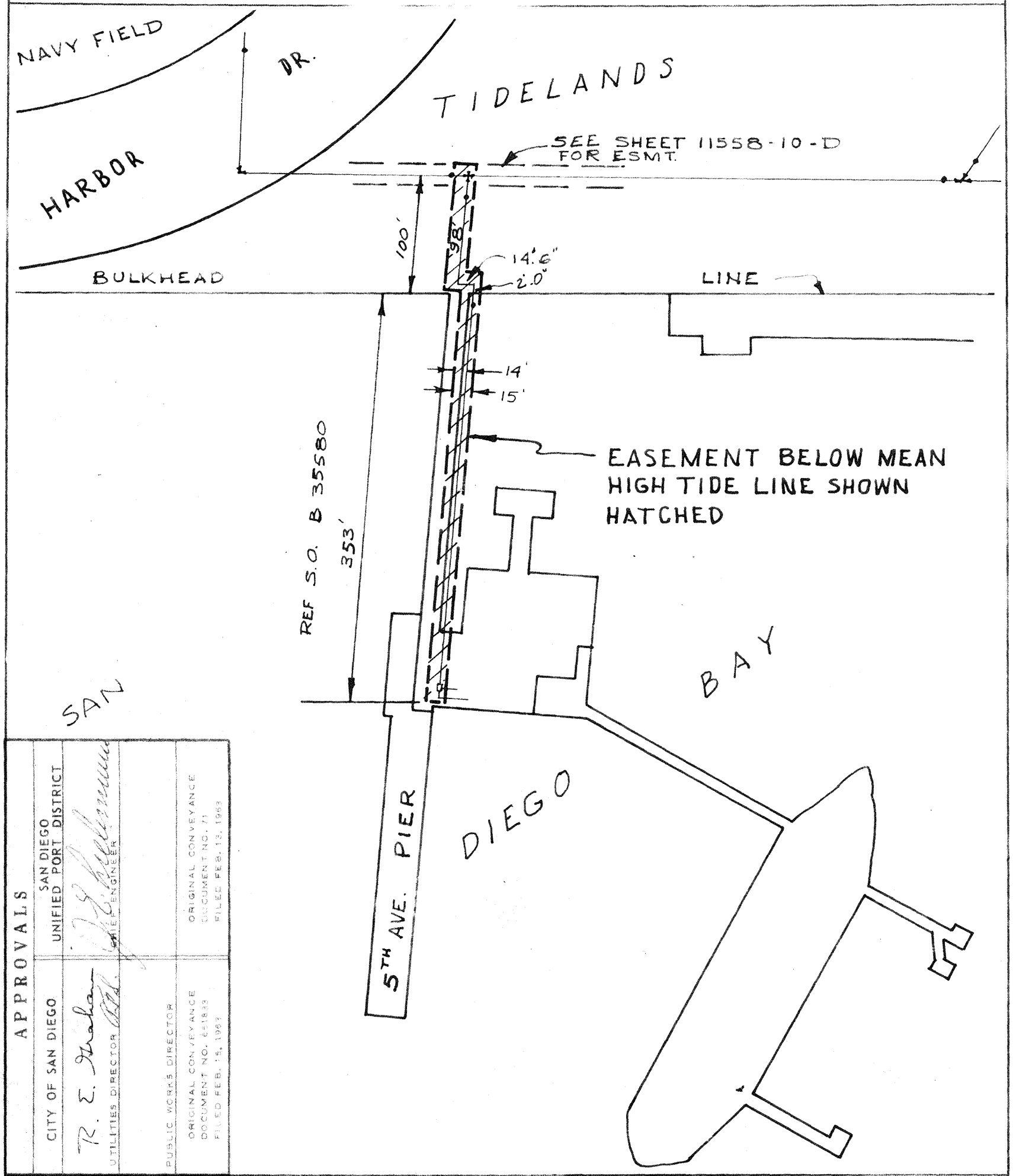
SAN DIEGO UNIFIED PORT DISTRICT

DOCUMENT No. 3383

FILED JUN 28 1968

MICROFILM No. 91

OFFICE OF THE CLERK



APPROVALS

CITY OF SAN DIEGO

R. E. Graham
UTILITIES DIRECTOR

PUBLIC WORKS DIRECTOR

ORIGINAL CONVEYANCE DOCUMENT NO. 61833 FILED FEB. 15, 1963

SAN DIEGO UNIFIED PORT DISTRICT

CHIEF ENGINEER

ORIGINAL CONVEYANCE DOCUMENT NO. 71 FILED FEB. 13, 1963

PLANNING | RECORDS ENGR. | C.T.J. 6-24-68 CONTROL ENGR. | OFFICE ENGR.

DRAWN BY BCJ
CHECKED BY
FIELD BOOKS 196-17/9
SCALE 1" = 100'
W.O. 17430

CITY OF SAN DIEGO - ENGINEERING DEPARTMENT

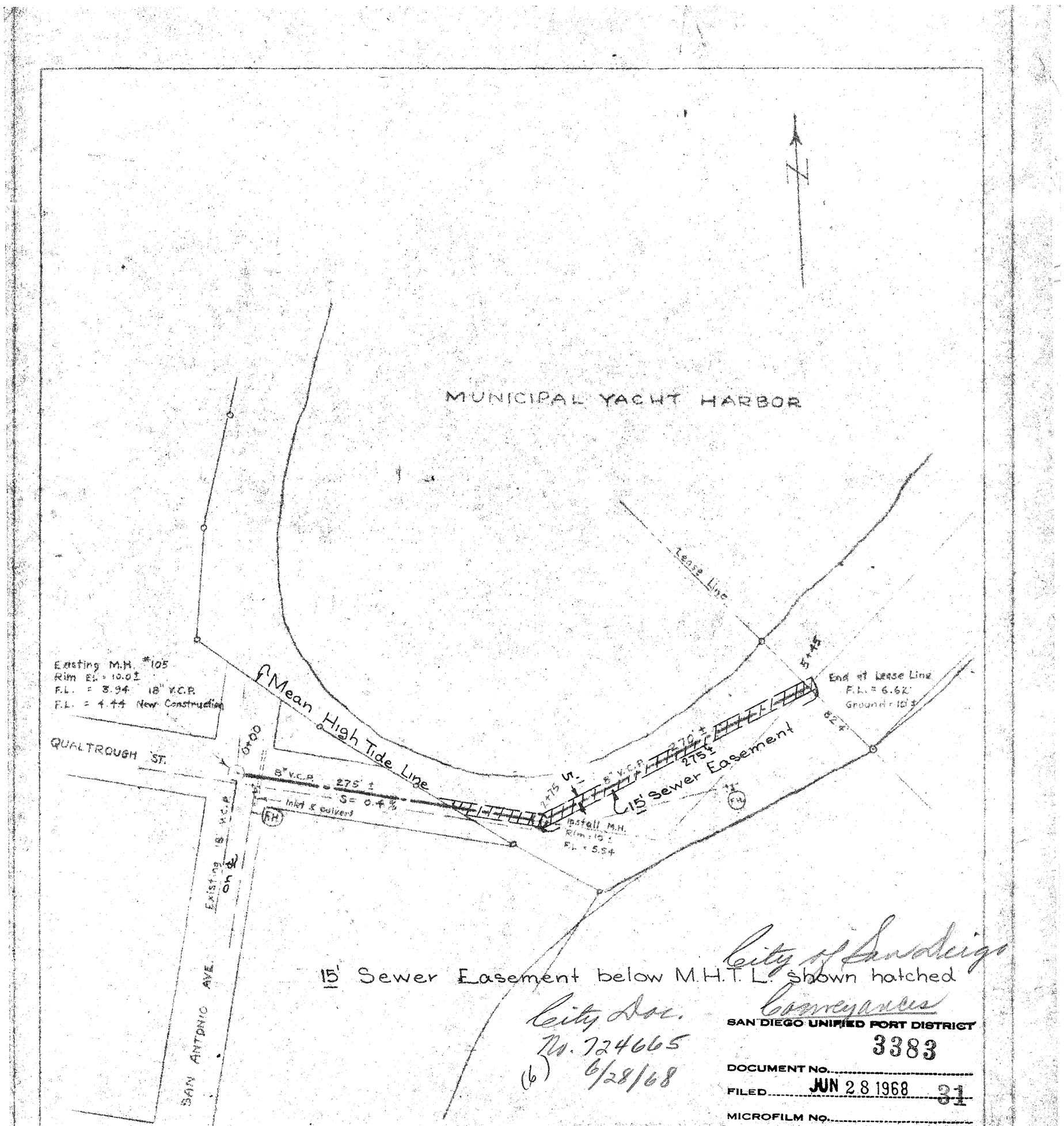
WATER EASEMENT- ON 5TH AVE PIER BELOW MEAN HIGH TIDE LINE TIDELANDS

DATE 6-20-68

CITY ENGINEER

SHEET 11 OF 11

9222-11-3



15' Sewer Easement below M.H.T.L. shown hatched

City of San Diego
Conveyances
City Doc. No. 724665
(6) 6/28/68

SAN DIEGO UNIFIED PORT DISTRICT
3383
DOCUMENT No.
FILED JUN 28 1968 31
MICROFILM No.

OFFICE OF THE CLERK

APPROVALS	
CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
R. E. Graham UTILITIES DIRECTOR	J. Kattenraven CHIEF ENGINEER
PUBLIC WORKS DIRECTOR	
ORIGINAL CONVEYANCE DOCUMENT NO. 661833 FILED FEB. 15, 1968	ORIGINAL CONVEYANCE DOCUMENT NO. 31 FILED FEB. 15, 1963

PLANNING	RECORDS ENGR.	O.T.J. 6-24-68 CONTROL ENGR.	OFFICE ENGR.

DRAWN BY J.R. RAF
CHECKED BY
FIELD BOOKS 200-1697
SCALE 1" = 100'
W.O. 17430

CITY OF SAN DIEGO - ENGINEERING DEPARTMENT

SEWER EASEMENT
Qualtrough St. below M.H.T.L.

TIDELANDS

DATE 6/24/68
E. J. Sammons
CITY ENGINEER

SHEET 1 OF 6
9221-1-B

HARBOR No 296-MB

ROSEVILLE

MAP 165

Block 62

4 9

5 8

Garrison Street

288.12'

15" Sewer Pipe

33.32

12.16

12.37

35.55'

4.53'

7.88

7.5'

6

7

Mean High Tide Line

Shaded area shows Parcel XIII conveyed to the Port Authority & shown on City Eng Dwg. 8947-6-B

STA. 493+92.67

STA. 493

℄ Traverse Line Per Eng Dwg. 14307-L Sheet 11 of 12

SCALE 1" = 20'

APPROVALS

CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
R. L. Hudson	

Sewer Esmt. Shown hatched thus ////

SAN DIEGO UNIFIED PORT DISTRICT

DOCUMENT NO. 3383

FILED JUN 28 1968

MICROFILM NO. 31

OFFICE OF THE CLERK

6-24-68

R.C.J.

C. INDEX 204-1699

1" = 20'

W.O. 17430

CITY OF SAN DIEGO - ENGINEERING DEPARTMENT

Sewer Easement, in lot 6 Block 62 of Roseville Map 165

SHEET 2 OF 6

9221-2-B

APPROVALS

CITY OF SAN DIEGO

R. E. Graham
UTILITIES DIRECTOR

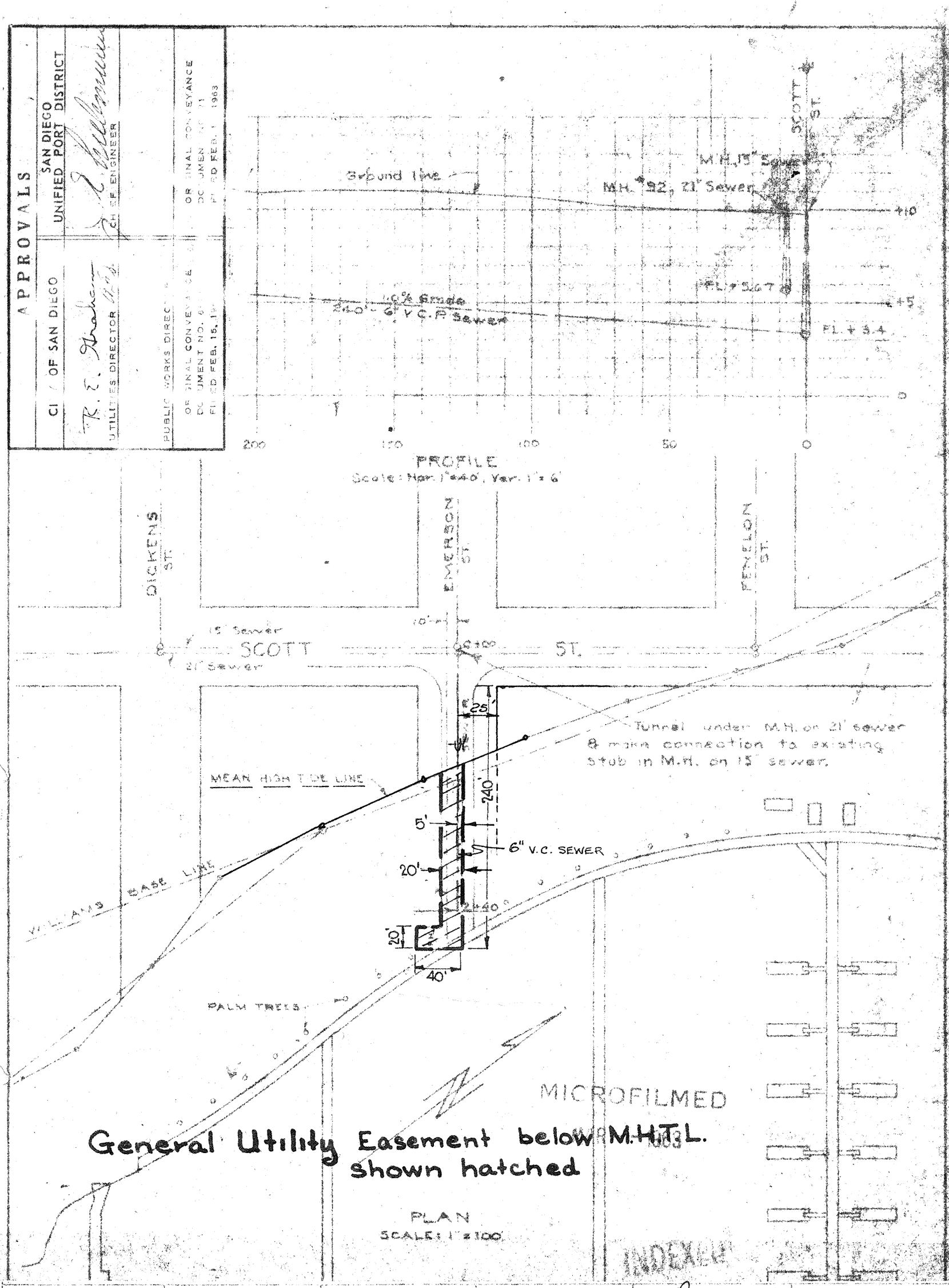
PUBLIC WORKS DIRECTOR

ORIGINAL CONVEYANCE DOCUMENT NO. 6
FILED FEB. 15, 1963

SAN DIEGO UNIFIED PORT DISTRICT

R. Hall Symmes
CHIEF ENGINEER

ORIGINAL CONVEYANCE DOCUMENT NO. 11
FILED FEB. 1 1963



PLANNING	RECORDS ENGR	CONTRACT ENGR	OFFICE ENGR
		O.J. 6-24-68	

DRAWN BY J.A.
CHECKED BY
FIELD BOOKS 204-1699
SCALE AS SHOWN
W.O. 17430

CITY OF SAN DIEGO - ENGINEERING DEPARTMENT

SEWER EASEMENT
Ext. Emerson St. below M.H.T.L
TIDELANDS

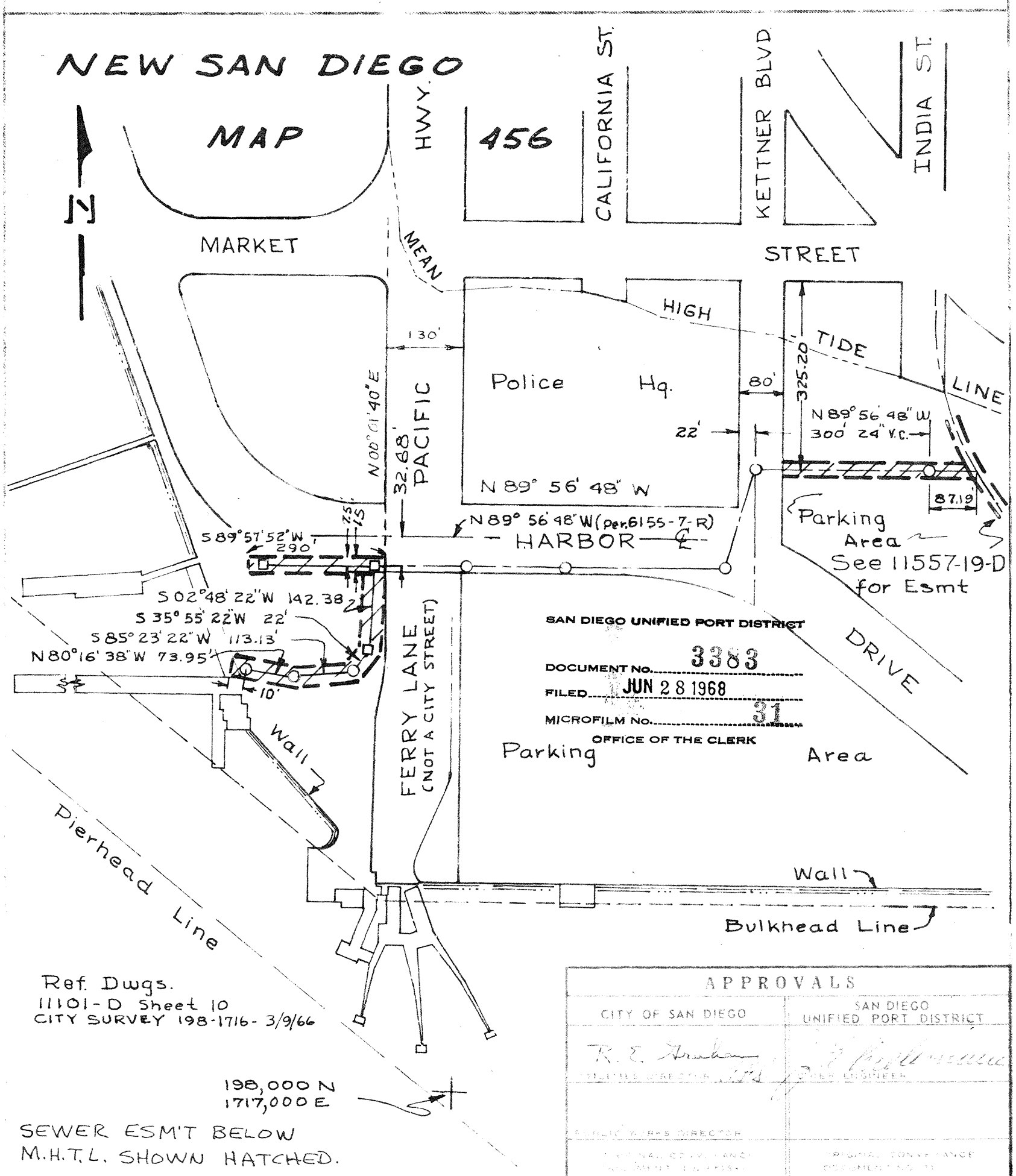
DATE 6-24-68
F. Gotschalk
CITY ENGINEER

SHEET 3 OF 6
9221-3-B

HARBOR No. 271-MB-1

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT No. 3383
FILED JUN 28 1968
MICROFILM No. 31
OFFICE OF THE CLERK

NEW SAN DIEGO MAP 456



SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3383
FILED JUN 28 1968
MICROFILM NO. 31
OFFICE OF THE CLERK

Ref. Dwgs.
11101-D Sheet 10
CITY SURVEY 198-1716- 3/9/66

198,000 N
1717,000 E

SEWER ESM'T BELOW
M.H.T.L. SHOWN HATCHED.

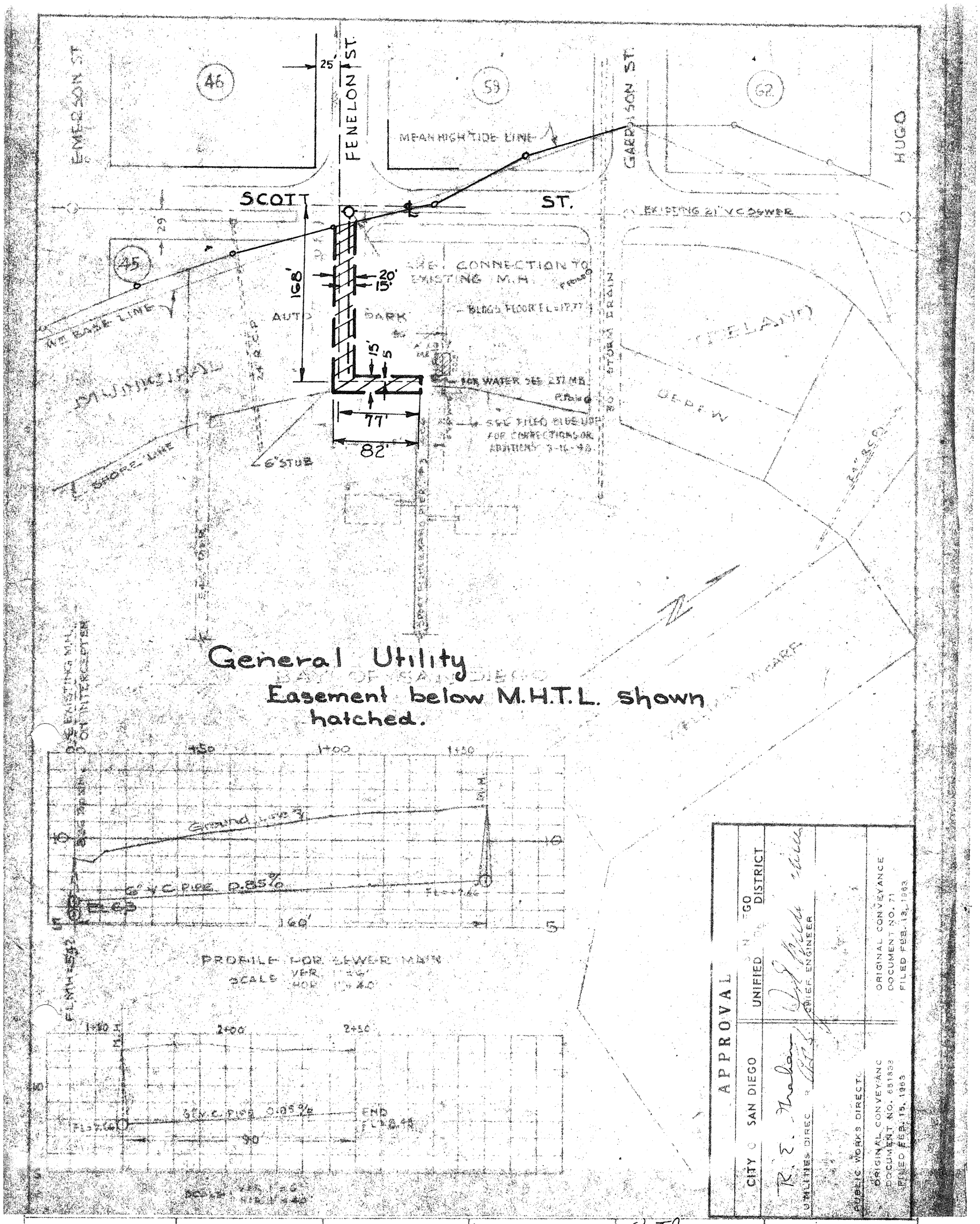
APPROVALS	
CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
K. E. Graham	[illegible]
PUBLIC WORKS DIRECTOR	CHIEF ENGINEER
PUBLIC WORKS DIRECTOR	
SURVEYOR'S CERTIFICATE: I HEREBY CERTIFY THAT THIS MAP WAS CORRECTLY COMPILED FROM DATA OBTAINED BY ME OR UNDER MY DIRECTION DURING THE MONTH OF FEB. 19[illegible]	RECORD OF SURVEY APPROVED PURSUANT TO SECTION [illegible] OF THE SUBDIVISION MAP ACT ON SEPTEMBER [illegible], 1967

J. T. J. 6-24-68

C. INDEX 198-1717
1" = 200'
17430

Sewer Esmt Sly of Harbor Drive & Wly of Ferry Lane. Also S. E'ly of Kettner & Market Sts.

SHEET 4 OF 6
9221-4-D



General Utility

Easement below M.H.T.L. shown hatched.

PROFILE FOR SEWER MAIN
SCALE VER. 1"=5'
HOR. 1"=40'

SCALE: VER. 1"=5'
HOR. 1"=40'

APPROVAL

CITY OF SAN DIEGO — UNIFIED PORT DISTRICT

UTILITIES DIRECTOR — CHIEF ENGINEER

PUBLIC WORKS DIRECTOR

ORIGINAL CONVEYANCE DOCUMENT NO. 651838 FILED FEB. 15, 1963

ORIGINAL CONVEYANCE DOCUMENT NO. 71 FILED FEB. 13, 1963

PLANNING	RECORDS ENGR.	CONTR. ENGR.	OFFICE ENGR.
		O.T.J. 6-24-68	

DRAWN BY J.A.
CHECKED BY
FIELD BOOKS 204-1699
SCALE 1" = 100'
W.O. 17430

CITY OF SAN DIEGO - ENGINEERING DEPARTMENT

SEWER EASEMENT
Ext. Fenelon St below M.H.T.L.

TIDELANDS

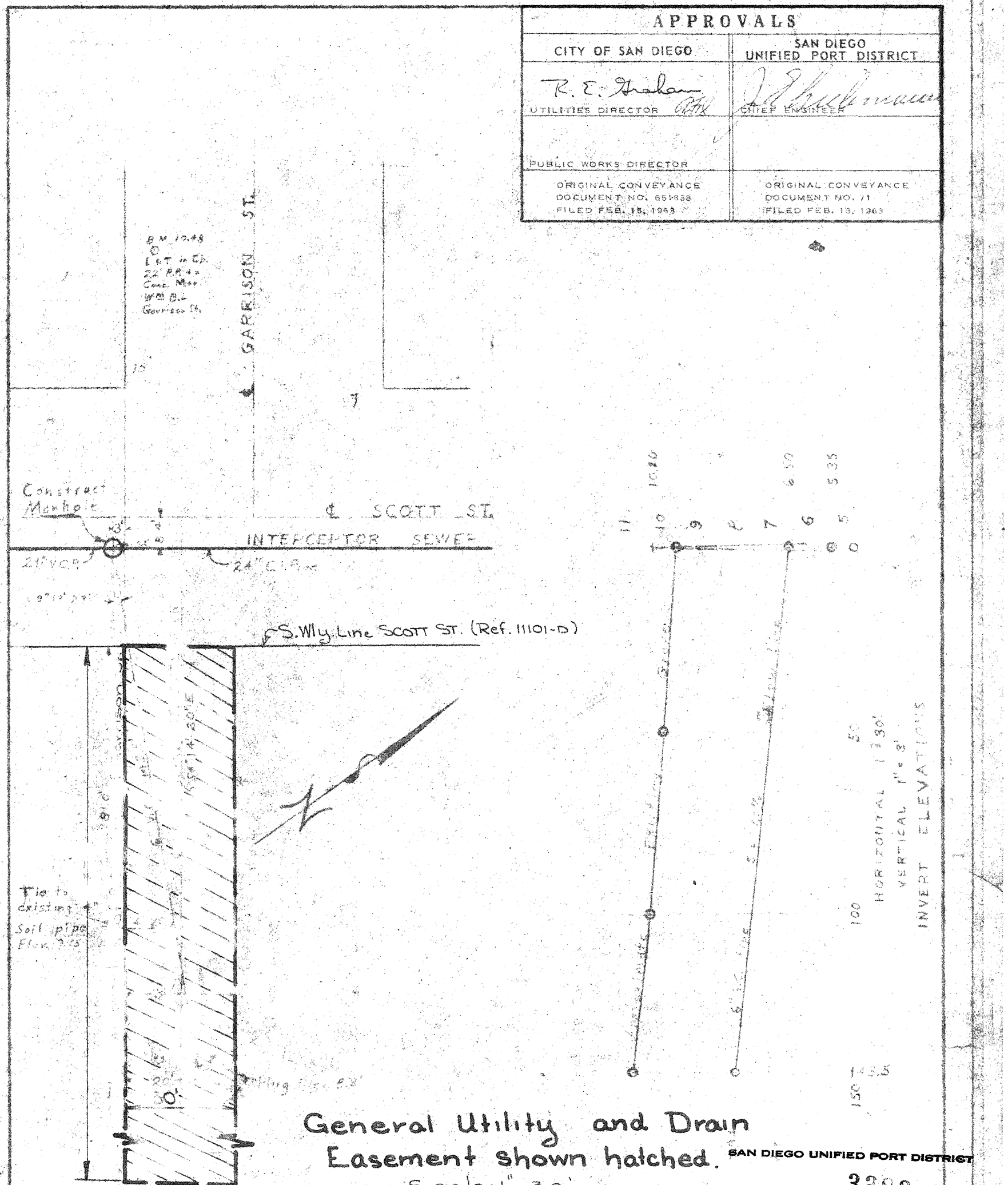
DATE 6-24-68
H. Fairbairn
CITY ENGINEER

SHEET 5 OF 6
9221-5-B

HARBOR Nº 229-MB

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT No. 3383
FILED JUN 28 1968
MICROFILM No. 31
OFFICE OF THE CLERK

APPROVALS	
CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
R. E. Graham UTILITIES DIRECTOR	J. Schuchmann CHIEF ENGINEER
PUBLIC WORKS DIRECTOR	
ORIGINAL CONVEYANCE DOCUMENT NO. 651838 FILED FEB. 15, 1963	ORIGINAL CONVEYANCE DOCUMENT NO. 71 FILED FEB. 13, 1963



General Utility and Drain Easement shown hatched.

Scale: 1" = 30'

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT No. 3383
FILED JUN 28 1968
MICROFILM No. 31
OFFICE OF THE CLERK

		PLANNING	RECORDS ENGR.	O.T.J. 6-24-68 CONTROL ENGR.	OFFICE ENGR.

DRAWN BY J.B. CHECKED BY
FIELD BOOKS 204-1699
SCALE 1" = 30'
W.O. 17430

CITY OF SAN DIEGO - ENGINEERING DEPARTMENT

SEWER EASEMENT
Ext. Garrison St. below M.H.T.L.

TIDELANDS

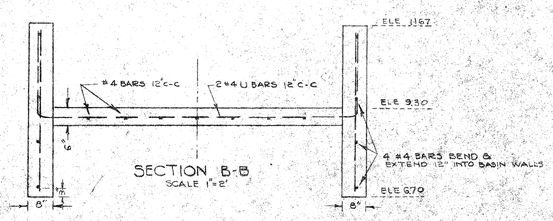
DATE 6-24-68
CITY ENGINEER
SHEET 6 OF 6
9221-6-8

HARBOR NO 256-MB

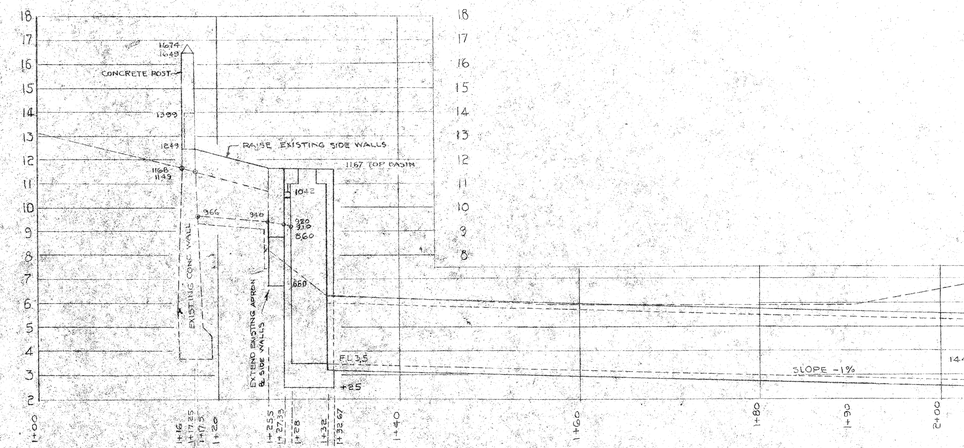
City of San Diego
Engineering

City Dwg No.
724665
4/24/68

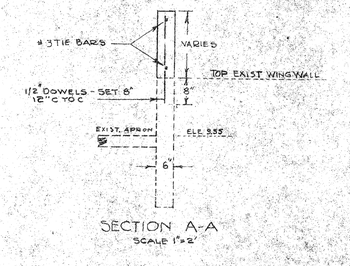
SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3383
FILED JUN 28 1968
MICROFILM NO. 21
OFFICE OF THE CLERK
(27)



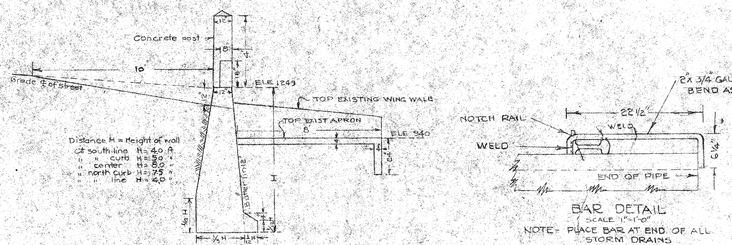
SECTION B-B
SCALE 1"=2'

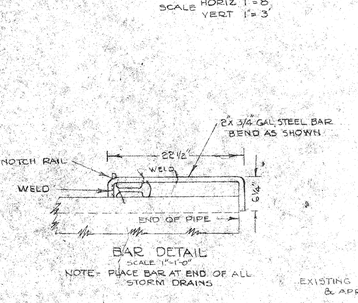


PROFILE OF STORM DRAIN AT FOOT OF KELLOGG STREET
SCALE HORIZ 1"=8'
VERT 1"=3'

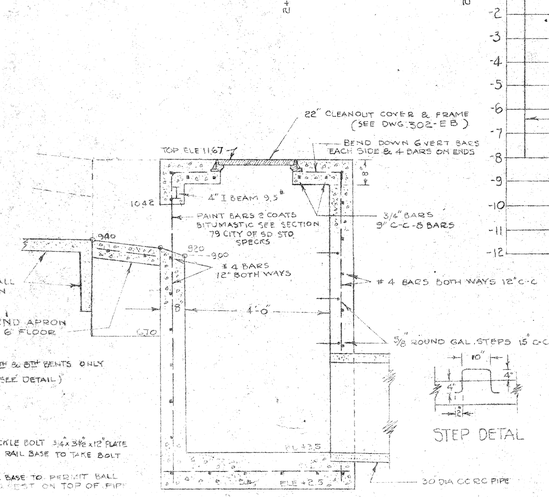


SECTION A-A
SCALE 1"=2'

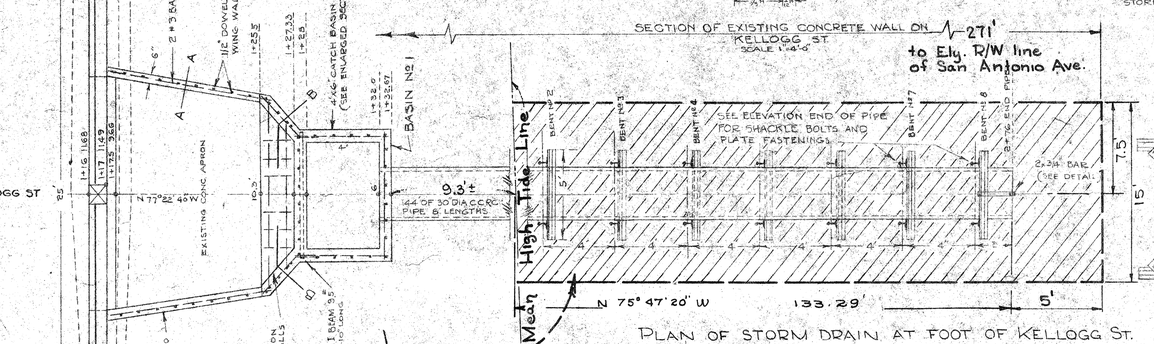




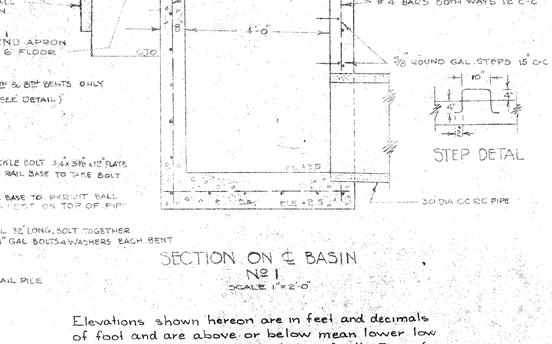
BAR DETAIL
SCALE 1"=1'-0"
NOTE- PLACE BAR AT END OF ALL STORM DRAINS



STEP DETAIL

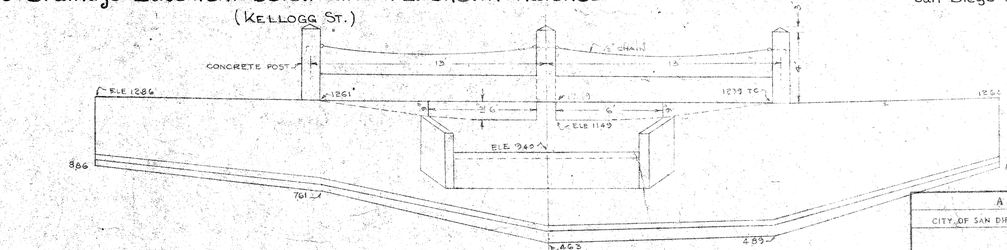


PLAN OF STORM DRAIN AT FOOT OF KELLOGG ST.
15' Drainage Easement below M.H.T.L. shown hatched
(KELLOGG ST.)



END ELEVATION OF PIPE
SCALE 1"=2'-0"

SECTION ON ℄ BASIN Nº 1
SCALE 1"=2'-0"



FRONT ELEVATION OF EXISTING WALL ON KELLOGG STREET
SCALE 1"=2'-0"

STEEL RAIL PILES
110#
MIN PENE. 12'

WORK TO BE DONE

The improvement consists of the following work to be done according to these plans and the specifications prepared therefor by the Harbor Engineer of the City of San Diego. The construction of concrete box waterway, catch basin & 72 lin.f. of 24" dia. c.c.r.c. pipe storm drain at the foot of McCall Street, The construction of wing walls, catch basin and 144 lin.f. of 30" dia. c.c.r.c. pipe storm drain at the foot of Kellogg Street, The construction of Catch Basins approximately 23 lin.ft. of 18" dia c.c.r.c. pipe and 72 lin.ft. of 24" dia c.c.r.c. pipe storm drain at the foot of Owen Street including all other work appurtenant thereto.

Elevations shown hereon are in feet and decimals of foot and are above or below mean lower low water or zero datum established for the Bay of San Diego by the U.S.C. & G. Survey.

DRAINAGE EASEMENT

Foot of Kellogg St. below M.H.T.L.
City Standard Dwg. Nº 302-EB accompanies these plans.

TIDELANDS

CITY OF SAN DIEGO
ENGINEERING DEPARTMENT

SHEET 1 OF 23 SHEETS

W.O. Nº 17430

PLAN REVISION				
CHANGE	BY	DATE	APPROVAL	

E. F. Gutierrez 6/24/68
CITY ENGINEER — DATE

OFFICE ENGINEER

WATER DEPT.	SEWERAGE	SUPERVISOR
PLANNING DEPT.	DRAINAGE	
ELECTRICAL	HIGHWAY	CHECKED
STRUCTURAL	GRADES	DESIGNED J. Allen
TRAFFIC	CONTROL 6-24-68	

CONSTRUCTION RECORD
DATE STARTED — DATE COMPLETED
CONTR — INSP.
FIELD BOOK 198 - 1695

APPROVALS

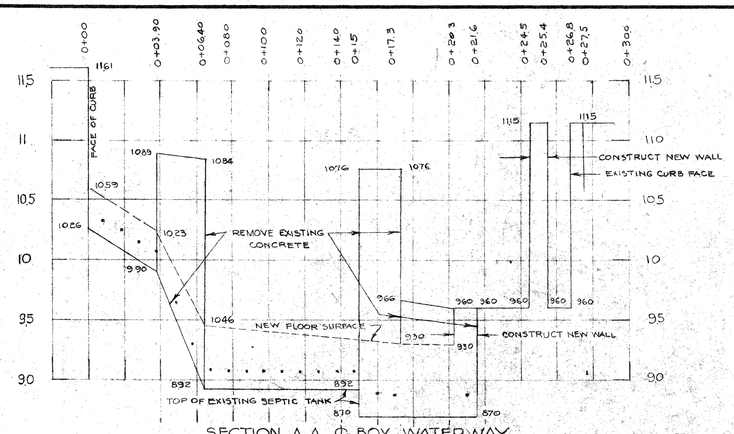
CITY OF SAN DIEGO
UTILITIES DIRECTOR
PUBLIC WORKS DIRECTOR
ORIGINAL CONVEYANCE DOCUMENT NO. 151833 FILED FEB. 15, 1963

SAN DIEGO UNIFIED PORT DISTRICT
PRESIDENT
SECRETARY
ORIGINAL CONVEYANCE DOCUMENT NO. 73 FILED FEB. 12, 1963

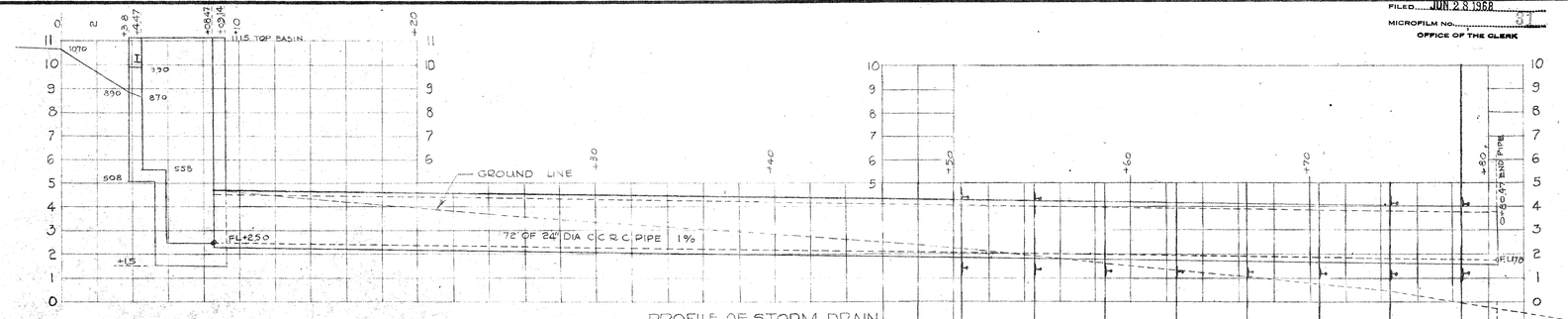
11556-1-D

HARBOR Nº 440-D, SH 1.

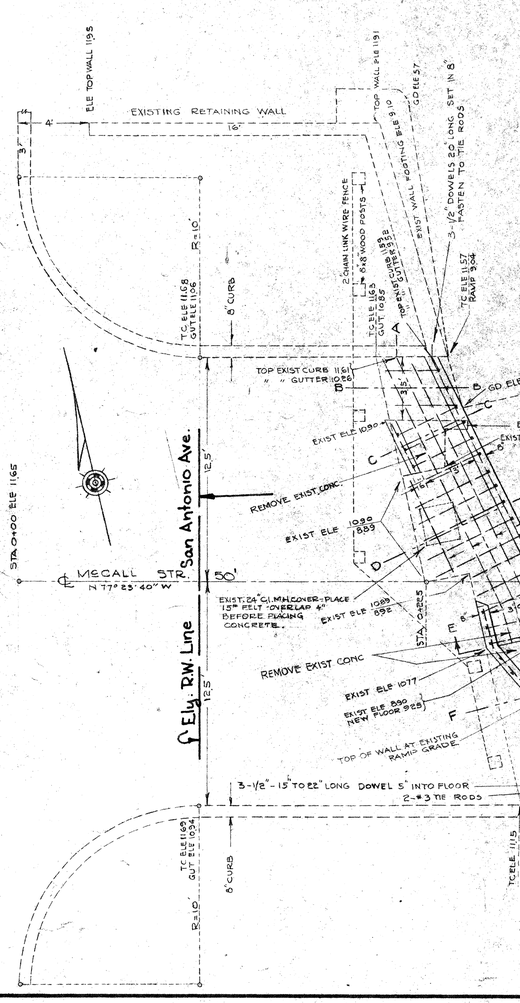
SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3383
FILED JUN 28 1968
MICROFILM NO. 31
OFFICE OF THE CLERK



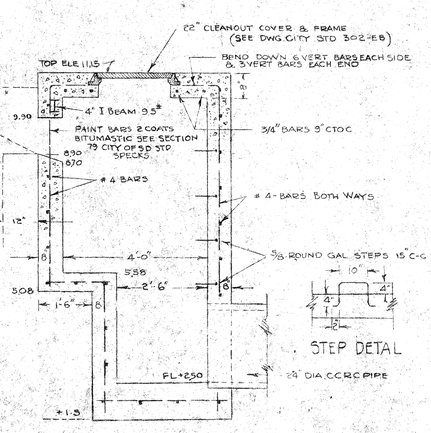
SECTION A-A & BOX WATERWAY
SCALE HORIZ 1"=4'
VERT 1"=0.6'



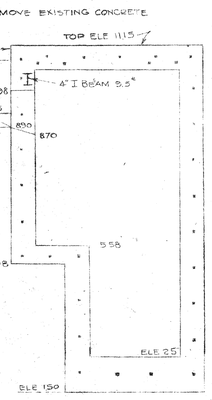
PROFILE OF STORM DRAIN
SCALE HORIZ 1"=4'
VERT 1"=3'



PLAN OF STORM DRAIN AT FOOT OF Mc CALL ST.
SCALE 1"= 4'-0"

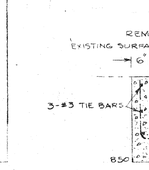


SECTION F-F & BASIN
SCALE 1"= 2'-0"



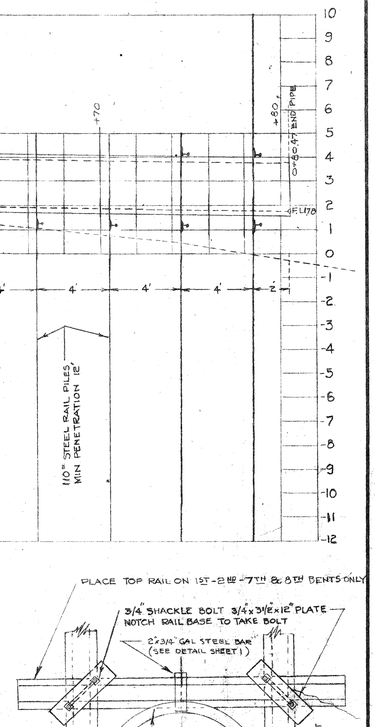
SECTION E-E
SCALE 1"= 2'-0"

SECTION B-B
SCALE 1"= 2'-0"



SECTION C-C
SCALE 1"= 2'-0"

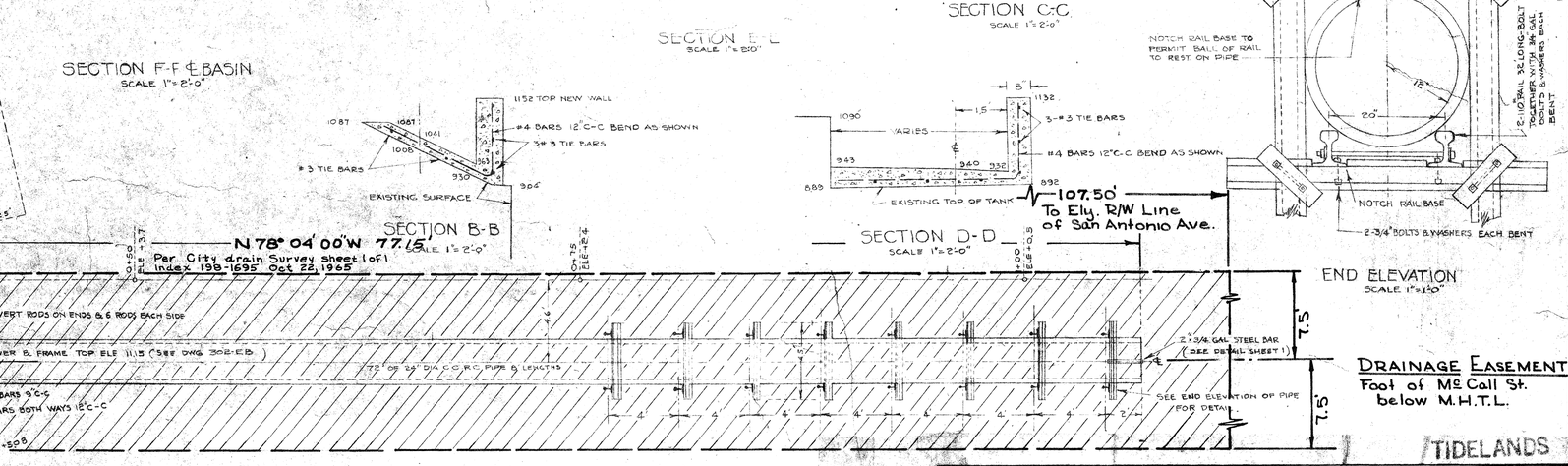
SECTION D-D
SCALE 1"= 2'-0"



N 78° 04' 00" W 77.15
Per City drain Survey sheet 1 of 1 Index 198-1695 Oct 22, 1965

107.50' To Ely. R/W Line of San Antonio Ave.

END ELEVATION
SCALE 1"=1.50"



DRAINAGE EASEMENT
Foot of Mc Call St. below M.H.T.L.

TIDELANDS

15' Drainage Easement below M.H.T.L. shown (Mc CALL STR.) HATCHED.

APPROVED

CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
UTILITIES DIRECTION	CHIEF ENGINEER
ORIGINAL CONVEYANCE DOCUMENT NO. 631933 FILED FEB. 15, 1952	ORIGINAL CONVEYANCE DOCUMENT # FILED/VOL. #

DRAIN EASEMENT - E'ly of San Antonio Ave & Mc Call St.

CITY OF SAN DIEGO
ENGINEERING DEPARTMENT
SHEET 2 OF 23 SHEETS
W.O. NO 17430

CHANGE	BY	DATE	APPROVAL
PLAN REVISION			

CITY ENGINEER 6/29/68 DATE

CONSTRUCTION RECORD

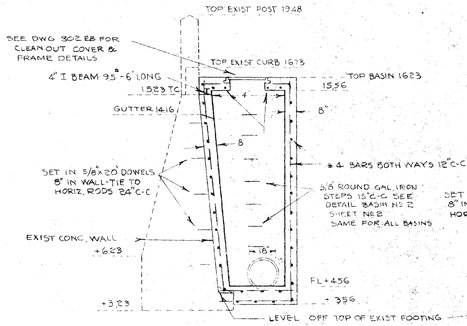
DATE STARTED — DATE COMPLETED
CONTR — INSP.
RET. DRAT. 198-1695

WATER DEPT	SEWERAGE
PLANNING DEPT	DRAINAGE
ELECTRICAL	HIGHWAY
STRUCTURAL	GRADES
TRAFFIC	CONTROL O.T.J. 6-24-68

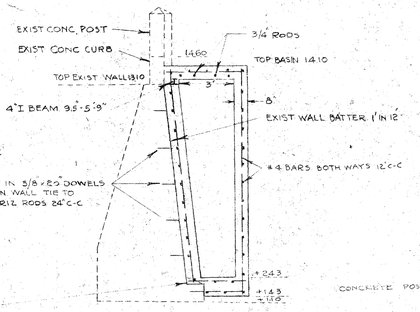
OFFICE ENGINEER
SUPERVISOR
CHECKED
DESIGNED J. Altman
1155G-2-D

HARBOR No 440-D, Sht. 3

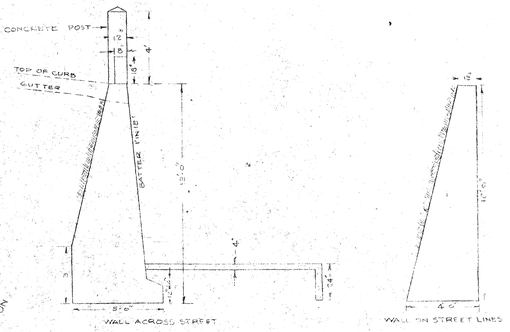
SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3383
FILED JUN 28 1968
MICROFILM NO. 31
OFFICE OF THE CLERK



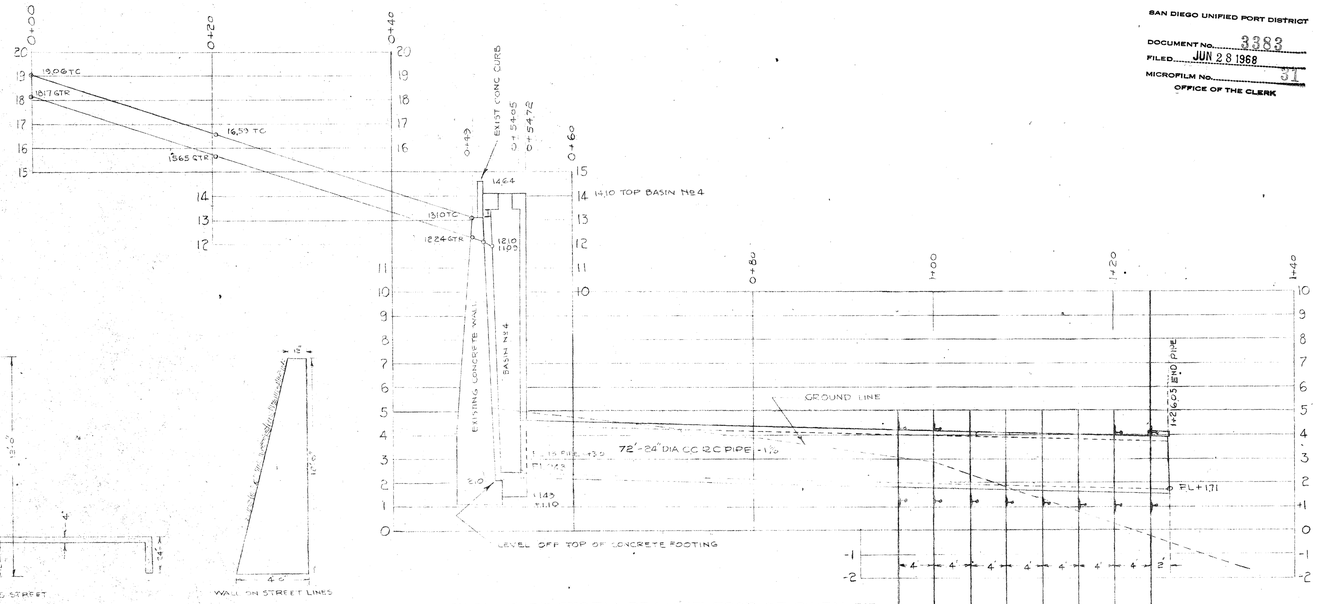
SECTION G-G
SCALE 1"=4'



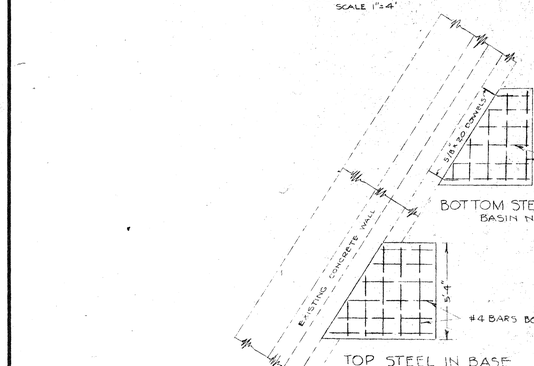
SECTION H-H
SCALE 1"=4'

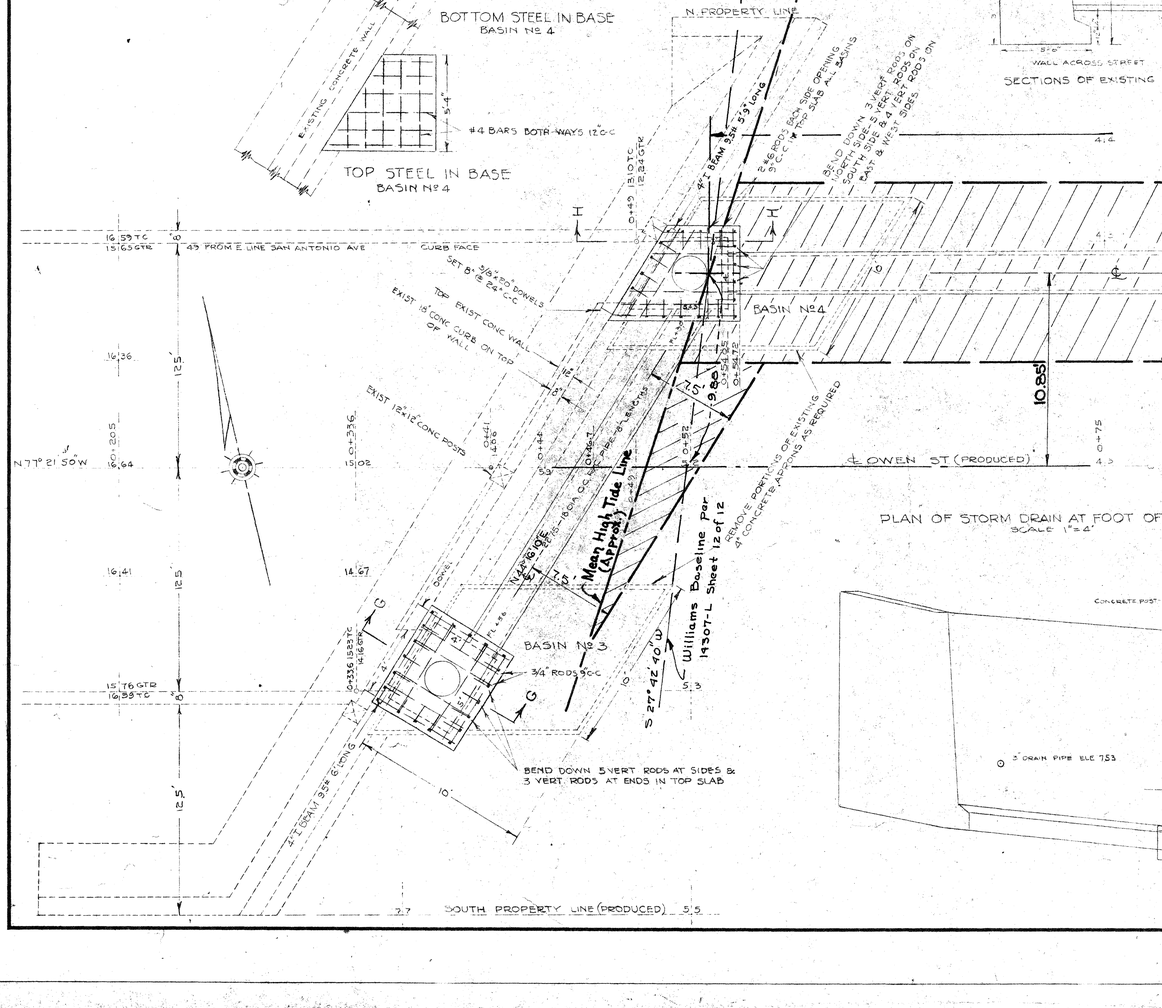


SECTIONS OF EXISTING CONCRETE WALLS ON OWEN ST
SCALE 1"=4'

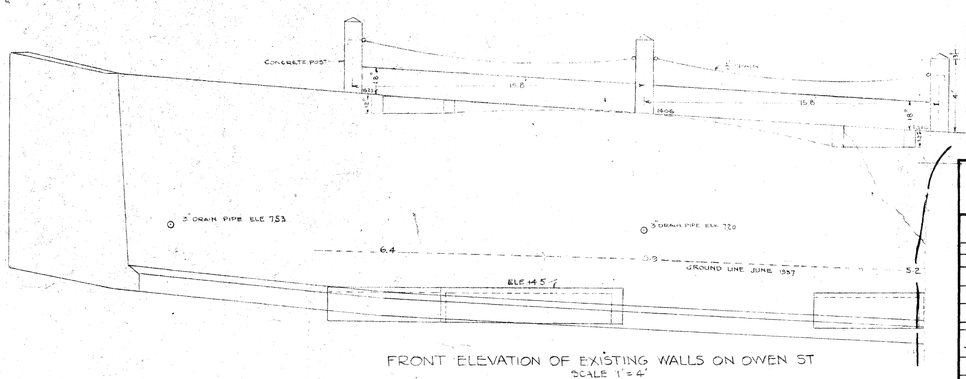


PROFILE OF STORM DRAIN AT FOOT OF OWEN ST.
SCALE HORIZ. 1"=8'
VERT 1"=3'

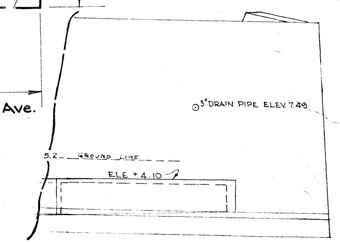




PLAN OF STORM DRAIN AT FOOT OF OWEN ST
SCALE 1"=4'



FRONT ELEVATION OF EXISTING WALLS ON OWEN ST
SCALE 1"=4'



Drainage Easement below M.H.T.L. shown hatched
(Owen Street)

APPROVALS	
CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
UTILITIES DIRECTOR	CHIEF ENGINEER
PUBLIC WORKS DIRECTOR	
ORIGINAL CONVEYANCE DOCUMENT NO. 451833 FILED FEB. 15, 1945	ORIGINAL CONVEYANCE DOCUMENT NO. FILED FEB. 15, 1945

TIDELANDS

DRAINAGE EASEMENT, Foot of Owen below M.H.T.L.

CITY OF SAN DIEGO
ENGINEERING DEPARTMENT

SHEET 3 OF 23 SHEETS

W.O. NO 17430

PLAN REVISION				
CHANGE	BY	DATE	APPROVAL	
CONSTRUCTION RECORD				
DATE STARTED			DATE COMPLETED	
CONTR.			INSP.	
FIELD BOOK 198-1695				

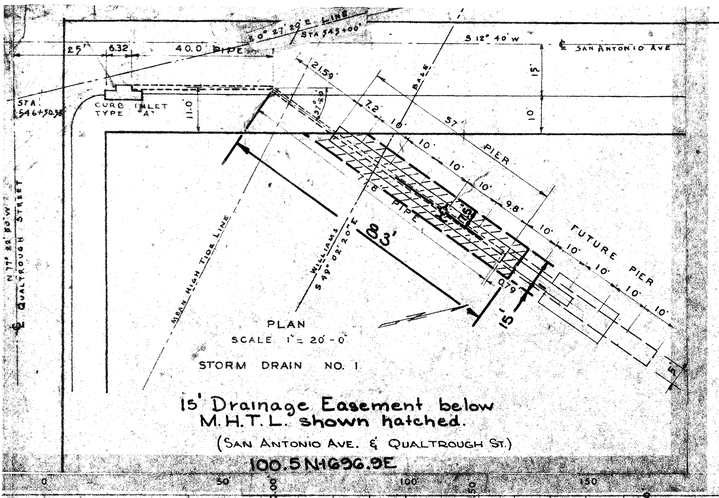
E. J. Quilkmann 6/24/68
CITY ENGINEER DATE

WATER DEPT.	SEWERAGE
PLANNING DEPT.	DRAINAGE
ELECTRICAL	HIGHWAY
STRUCTURAL	GRADES
TRAFFIC	CONTROL W.J. 6-24-68

OFFICE ENGINEER
SUPERVISOR
CHECKED
DESIGNED J.A.

11556-3-D

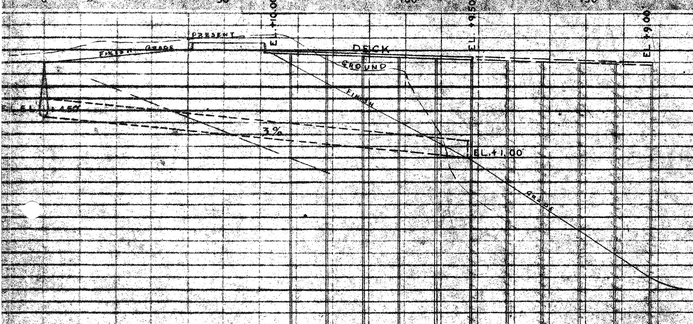
HARBOR NO 440-D, Sht. 3

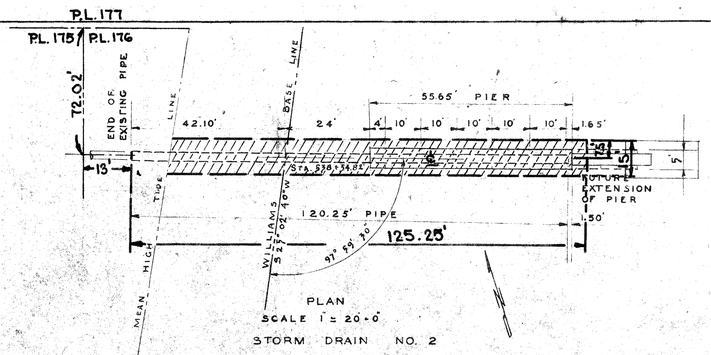


15' Drainage Easement below M.H.T.L. shown hatched.

(San Antonio Ave. & Qualtrough St.)

100.5 N 1696.9 E

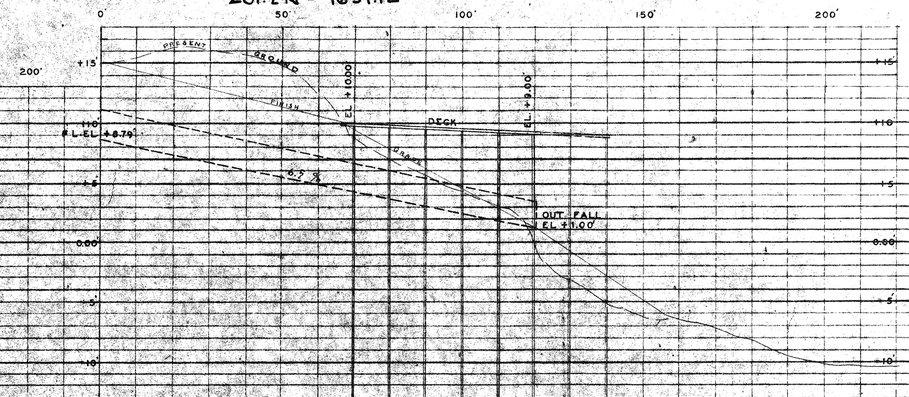


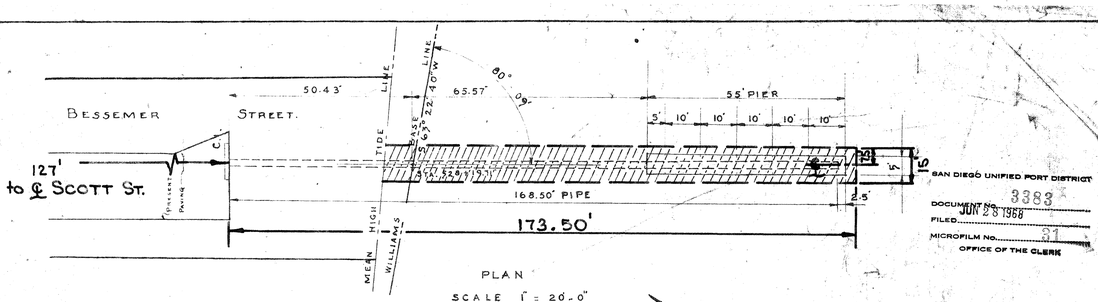


15' Drainage Easement below M.H.T.L. shown hatched

(East of P.L. 176)

201.2 N - 1697.1 E

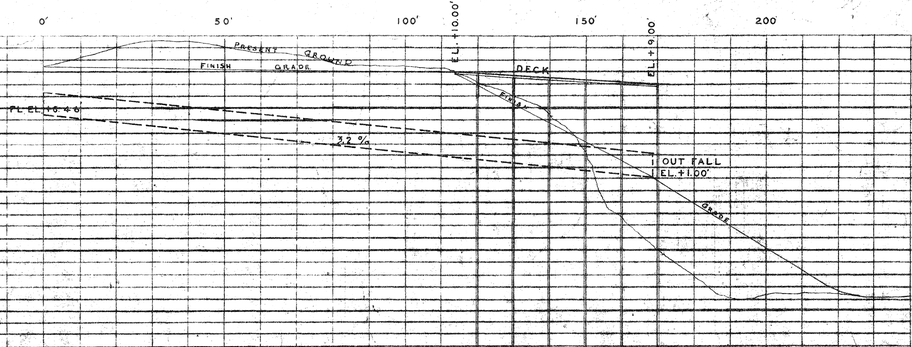




15' Drainage Easement below M.H.T.L. shown hatched

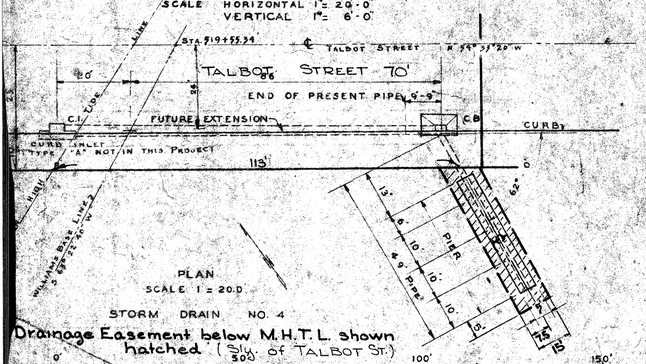
(S.Ely. of Bessemer St.)

202.1 N - 1697.8 E



SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3383
JUN 28 1968
FILED
MICROFILM NO. 31
OFFICE OF THE CLERK

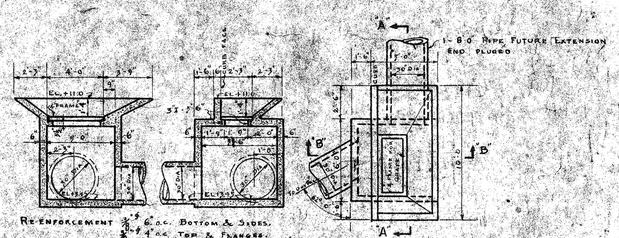
18" STORM DRAIN - QUALTROUGH STREET & SAN ANTONIO AVE.
SCALE HORIZONTAL 1" = 20'-0"
VERTICAL 1" = 6'-0"

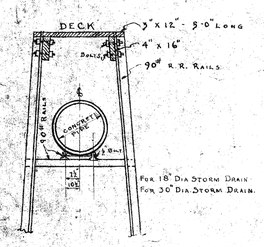


Drainage Easement below M.H.T.L. shown hatched (Sly. of TALBOT ST.)

202.4 N - 1698.5 E

30" STORM DRAIN 421.80' NORTH OF ROGERS STREET MONUMENT.
SCALE HORIZONTAL 1" = 20'-0"
VERTICAL 1" = 6'-0"

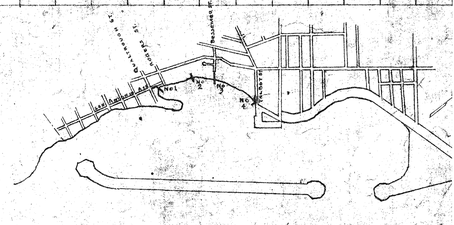




Pier & Drain Detail

Scale 1/4" = 1'-0"

18" STORM DRAIN BESSEMER STREET
SCALE HORIZONTAL 1" = 20'-0"
VERTICAL 1" = 6'-0"



W.P.A. PROJECT # 9397 &
9813

DRAINAGE EASEMENTS
San Antonio Ave.
Bessemer St.
Talbot St. &
P.L. 176 below M.H.T.L.
TIDELANDS

APPROVALS
CITY OF SAN DIEGO
SAN DIEGO UNIFIED PORT DISTRICT
CHIEF ENGINEER
DIRECTOR OF PUBLIC WORKS
DIRECTOR OF PUBLIC UTILITIES
DIRECTOR OF PLANNING
DIRECTOR OF REAL ESTATE

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 4 OF 23 SHEETS
W.O. NO. 17430
E. F. Williamson 6/24/68
DATE

DESCRIPTION	BY	APPROVED	DATE FILMED
ORIGINAL	JA	[illegible]	6-24-68

HARBOR № 15-D-4
CONTRACTOR
INSPECTOR
DATE STARTED
DATE COMPLETED
DRAWING NO. 11556-4-D

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3383
FILED JUN 28 1968
MICROFILM NO.
OFFICE OF THE CLERK

15' Drainage Easement below M.H.T.L. shown hatched.

ADDISON ST
N 54° 15' 20" W
264.93'
Ref. 8752-1-B
Closed by Resol. 157254, 3-11-62

LOKER SUB'D
Map № 5087

SHAFTER STREET
S 35° 45' 10" W
18" SEWER

CAÑON STREET
N 54° 33' 50" W
29'

CONCRETE PIT
CATCH BASIN
EXISTING 12" PIPE
N 54° 15' 20" W 65.5'
12" CONC. PIPE
43° 21' 42"
55'
ANCHORAGE LANE
N 10° 53' 38" W
122.7'
12" CONC. PIPE
HIGH SEAS TUNA PACKING COMPANY
PROPOSED END OF FILL
15'
7.5'
N 54° 33' 50" W
120'
24" CONC. PIPE
75° 45' 36"
47° 54' 36"
435.2'
85'
N 36° 39' 14" W
160'
77° 25' 46"
32° 05' 24"
ADD APPROX. 10' V.C.P. TO MAKE CONNECTION WITH END OF EXISTING 10" V.C.P.
EXISTING 10" V.C.P.
6" C.I. SEWER
24" CONC. PIPE
N 67° 14' 23" W
159.5'
12° 40' 33"
6" C.I. WATER
8" V.C.P. SEWER
M.H. #3A
BM #2
8" V.C.P. SEWER
6" TRANSITE WATER
S 83° 22' 40" W
S 44° 26' 40" W 97.439'
S 39° 55' 40" W 101.330'
S 45° 21' 40" W 100.008'
N 45° 21' 40" E
BASE LINE
10.09 TOP M.H.
8.23 GUTT.

Scale: None

APPROVALS

CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
UTILITIES DIRECTOR	PORT ENGINEER
PUBLIC WORKS DIRECTOR	
ORIGINAL CONVEYANCE DOCUMENT NO. 241855 FILED FEB. 19, 1965	ORIGINAL CONVEYANCE DOCUMENT NO. 71 FILED FEB. 19, 1965

Drainage Easement below M.H.T.L.
(N.Wly and S.Ely. of Anchorage Lane.)

TIDELANDS

CITY OF SAN DIEGO
ENGINEERING DEPARTMENT

SHEET 5 OF 23 SHEETS

W.O. № 17430

PLAN CHANGE	REVISION BY	DATE	APPROVAL

CONSTRUCTION RECORD
DATE STARTED — DATE COMPLETED
CONTR. — INSP.
FIELD BOOK 202 - 1699

E. F. Gabrielson 6/24/68
CITY ENGINEER — DATE

WATER DEPT.	SEWERAGE
PLANNING DEPT.	DRAINAGE
ELECTRICAL	HIGHWAY
STRUCTURAL	GRADES
TRAFFIC	CONTROL

OFFICE ENGINEER
SUPERVISOR
CHECKED
J. Tallevo
DESIGNED
11556-5-D

HARBOR № 15-D-35

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3383
FILED JUN 28 1968
MICROFILM NO.
OFFICE OF THE CLERK

STREET
N35°44'40"E
GARRISON STREET
S54°14'20"E
SCOTT STREET
N35°44'40"E
ROSECRANS STREET
N35°44'40"E
Rosecrans St.
Scott St.
Garrison St.
Rosecrans St.
Scott St.
Garrison St.
Rosecrans St.
Scott St.
Garrison St.

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3383
FILED JUN 28 1968
MICROFILM NO. 31
OFFICE OF THE CLERK

SECTION A-A
Scale: Hor. 1"=10' Ver. 1"=10'

SECTION B-B
Scale: Hor. 1"=10' Ver. 1"=10'

Proposed 30" pipe

Proposed 18" Pipe

Existing ground line

Edge of pavement

Existing Property Line

Mean High Tide Line

KEATS STREET

SHAFTER ST.

LOWELL STREET

LINE "A"

LINE "B"

LINE "C"

LINE "D"

CATCH BASIN NO. 1
STANDARD TYPE S
CURB INLET
SEE DETAIL

CATCH BASIN NO. 2
STANDARD TYPE H
CURB INLET

CATCH BASIN NO. 3
STANDARD TYPE H
CURB INLET

CATCH BASIN NO. 4
STANDARD TYPE H
CURB INLET

USE 6-9' PIPE JOINTS WITH 5° BEVEL ON ONE END AROUND CURVE.

S 87°45'40" W 10.46 CF

Δ = 9°26'
R = 30.5'
T = 24.28'
L = 47.99'

15'
7.5'

S 55° W

265.56'

251.7'

749.14'

S 88°36'55" E
NORTH PROPERTY LINE

S 88°36'55" E 133'±

7.5'
15'

62.5'

100'

NORTH LANE

SOUTH LANE

℄ NORTH HARBOR DRIVE

℄ NLY. LINE of NORTH HARBOR DRIVE

℄ Limits of Harbor Drive

MAKE CONNECTION TO EXISTING 18" PIPE.

Plug existing 24" PIPE

Replace Curb

Curb Return Radius 15'

Curb Line

Property Line

Edge of Pavement

Existing Curb

Existing Fence

Existing Power Pole

Existing Telephone Pole

Existing Guy Wire

Existing Storm Drain Manhole

Existing Storm Drain Curb Inlet

Existing Storm Drain Junction Box

Existing Storm Drain Headwall

Existing Storm Drain Pipe

Existing Sewer Manhole

Existing Sewer Pipe

Existing Water Valve

Existing Water Pipe

Proposed Storm Drain Pipe shown thus

CURB TOP OR RIP RAP

CONSTRUCT CURB & STEEL RAIL SEE STD. DWG. FOR DETAILS

6" C.I. Sewer

6" A.C. Water (To be raised by others)

30" CONCRETE PIPE (1250-D)

24" CONCRETE PIPE (1250-D)

18" CONCRETE PIPE (1250-D)

18" CONCRETE PIPE (3030-D)

Flow line

GROUND LINE

GUTTER GRADE

Make connection to existing 18" pipe.

Pipe Curve
Δ = 30°
R = 30.5'
T = 24.28'
L = 47.99'

Catch Basin No. 1
Standard Type S Curb Inlet

Sump Retaining Wall

DETAIL AT SOUTHERLY CORNER SHAFTER & KEATS STREET
SCALE 1" = 10'

15' Drainage Easement shown hatched

Min. 85° steel bent
Min. length 13'

Min. 1" shackle bolts

Notch out Flange of rail

3/4" x 1/4" x 12" plates

TYPICAL BENT DETAIL OF OUTFALL STRUCTURE
Scale: 1" = 1'-0"

Note:
City Datum: +9.01 M.L.L.W. or Harbor Datum.

APPROVALS
SAN DIEGO UNIFIED PORT DISTRICT
CITY OF SAN DIEGO
APPROVED: [illegible]
ENGINEERING DIRECTOR
ORIGINAL CONVEYANCE FILED FEB. 15, 1963
SUBSEQUENT CONVEYANCE FILED MAY 15, 1963

TIDELANDS

DRAIN ESMT. - From Shafter St. & Keats St. to North Harbor Dr. Then Ely. adj to N. Harbor Dr. to Lowell St.

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 7 OF 23 SHEETS

W. O. NO. 17430

CITY ENGINEER — DATE — DIVISION HEAD

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	RDJ	CTJ	6-28-68	

DESIGN ENGINEER

CONTROL CERTIFICATION

223-D

204-1699
LAMBERT COORDINATES

11556-7-D

TO THESE PLANS & CITY
2-39 FOR PUBLIC IMPROVEMENTS,
STORM DRAIN SYSTEM INCLUDING
AND CONNECTIONS TO EXISTING DRAINS

DATUM SEE AT MEAN LOWER
OF SAN DIEGO.
TO BE ESTABLISHED IN THE FIELD TO
MATCH BASE'S OR CURB INSETS IN

NOS. FOR LADDER
TS IN GRATING.

SAN DIEGO UNIFIED PORT DISTRICT
3383
DOCUMENT NO.
FILED JUN 28 1968
MICROFILM NO. 31
OFFICE OF THE CLERK

MAP SHOWING NEW STORM DRAINS
SCALE 1" = 200'-0"

15' Easements over existing drains

Drain Easements below M.H.T.L. shown hatched

20' Easement over existing drain

MAP SHOWING DRAINAGE AREAS
Scale: 1" = 1000'-0"

TOP PLAN
1/2" ϕ 5" O.C. - 2 WAYS
90° RAIL 8'-6"

TOP PLAN
90° RAIL 6'-8"
6"X16" 1/2" PLATE AT EACH END

TOP PLAN
1/2" ϕ 8" O.C. 2 WAYS
90° RAIL 6'-2"

S.W. ELEVATION
3/8" ϕ 8" O.C.-2 WAYS

S.W. ELEVATION
1/2" ϕ 8" O.C. HORIZONTAL
3/8" ϕ 8" O.C. VERTICAL
TO 6' FROM BOTTOM

S.W. ELEVATION
1/2" ϕ 8" O.C. HORIZONTAL
3/8" ϕ 8" O.C. VERTICAL
TO 6' FROM BOTTOM

BOTTOM PLAN
NOELL STREET MANHOLE
SCALE 3/8" = 1'-0"

BOTTOM PLAN
SUTHERLAND STREET MANHOLE
SCALE 3/8" = 1'-0"

BOTTOM PLAN
BEAN STREET MANHOLE
SCALE 3/8" = 1'-0"

APPROVALS
CITY OF SAN DIEGO
SAN DIEGO UNIFIED PORT DISTRICT

ORIGINAL CONFORMS
DISCLOSURE NO. 11556-8-D

DRAIN ESMT. - Between Estudillo St. & Thorn St. & from Bean St. Sly. thru Lindbergh Field to San Diego Bay

TIDELANDS

CITY OF SAN DIEGO
ENGINEERING DEPARTMENT

SHEET 8 OF 23 SHEETS

W.O. NO. 17430

PLAN REVISION
FINANCE DATE APPROVAL
CITY ENGINEER 6/24/68 DATE
OFFICE ENGINEER

CONSTRUCTION RECORD
WATER DEPT. SEWERAGE
PLANNING DEPT. DRAINAGE
ELECTRICAL HIGHWAY
STRUCTURAL GRADES
TRAFFIC CONTROL
SUPERVISOR
CHECKED 6-24-68
DESIGNED
DRAWN
DATE STARTED DATE COMPLETED
CONTR INSP.
FIELD BOOK INDEX 206-17 11

11556-8-D

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3383
FILED JUN 28 1968
MICROFILM NO.
OFFICE OF THE CLERK

PLAN-PROFILE SCALE H

PLAN-PROFILE SCALE H

Profile of 84" Storm Drain

Profile Scale: Horizontal 1"=50'
Vertical 1"=6'

Profile of 18" Storm Drain in CHALMERS ST.

Profile of 24" Storm Drain in WALNUT ST.

20' Drain easement below M.H.T.L. shown hatched.

Scale: 1"=50'

Scale: 1"=50'

Scale: 1"=50'

APPROVALS

CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
UTILITIES DIRECTOR	PORT ENGINEER
PUBLIC WORKS DIRECTOR	
ORIGINAL CONVEYANCE DOCUMENT NO. 65568 FILED FEB. 18, 1963	ORIGINAL CONVEYANCE DOCUMENT NO. FILED FEB. 18, 1963

DRAIN EASEMENT

N'ly of Laurel St., E'ly & W'ly of Pacific Hwy

TIDELANDS

CITY OF SAN DIEGO
ENGINEERING DEPARTMENT

SHEET 9 OF 23 SHEETS

W.O. No. 17430

PLAN REVISION			
CHANGE	BY	DATE	APPROVAL

E. F. Babinskas 6/24/68
CITY ENGINEER DATE

OFFICE ENGINEER

SUPERVISOR

CHECKED O.T.J. 6-24-68

DESIGNED J.A.E.

WATER DEPT.		SEWERAGE	
PLANNING DEPT.		DRAINAGE	
ELECTRICAL		HIGHWAY	
STRUCTURAL		GRADES	
TRAFFIC		CONTROL	
INDEX	206-1715		

CONSTRUCTION RECORD
DATE STARTED
DATE COMPLETED
CONTR.
INSP.
FIELD BOOK

11556-9-D

HARBOR No 2752-D City Dwg

DIETZGEN 2000 IMPERIAL

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3383
FILED JUN 28 1968
MICROFILM NO. 84
OFFICE OF THE CLERK

67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82

Ground line
El. 1.50
6'-84" pipe
El. 0
Type G Cleanout
Connect to existing pipe
8'-24" concrete pipe
Plug
Existing 24" pipe
El.-6.04
El.-10.00
El.-10
Concrete lug

PROFILE-Storm Drain-Sta. 80+48

El. 10
El. 0
El.-10

Match Line
See Sheet 6
El. 1.64
El. -3.38
El. -4.00
El. -6.81
El. -7.28
El. -9.37
El. -9.70
El. -9.83
El. -10.48

E.C. 67+40.76
B.C. 69+45.74
E.C. 69+96.72
B.C. 71+41.84
E.C. 71+71.81
B.C. 77+06.43
E.C. 77+85.49
Equation 78+05.55 = 78+02.14
B.C. 82+22.24
E.C. 82+48.48

Ground Line
Asphalt surfacing
Type E Cleanout (Modified) 74+83
Concrete Lug 75+82
Asphalt surfacing
Asphalt paved yard
Concrete Lug 80+48
Elect. ducts
Chainlink fence
Curb
Walk
Grass
Cone. pad
Timber wharf

0.85 %
2.08 %
1.58 %
0.15 %

8" Pipe (Abandoned)
8" Sewer (Concrete) Long L-4536
Riprap Gutter
8" Sewer Built-Home cleanout
84" Concrete Pipe

LAUREL ST.
HARBOR DR.

Sta. 70+01 to 82+24 Pipe to be installed with Double Rubber Gasket Joints and crusher run rock bedding

PROFILE of Storm Drain

Scale: Horizontal 1" = 50'
Vertical 1" = 6

SCALE: 1" = 50'

20' Drain easement below M.H.T.L. shown hatched.

PACIFIC HIGHWAY
LAUREL STREET
HARBOR DRIVE
NORTH HARBOR DRIVE
San Diego Bay
Tidelands
of the
20' Easement over existing drain
LINDBERGH FIELD
SOLAR AIRCRAFT CO.
Asphalt paved Yard
Chain link fence
18" Water Main
12" Water Main
8" Water Main
Survey F.B. 2526-18
479'-84" Concrete Pipe With Double Rubber Gasket Joints
204.30'-84" Concrete Pipe (1250-D)
145.01'
Class B concrete cradle under drain to depth of 1/8 pipe diameter above bottom of pipe
T7+55 to T8+05
Δ=59.48
R=254
L=263.76
Δ=17°46'40"
R=1082.15
L=335.64
Δ=12°56'13"
R=1082.15
L=244.25
Place 20' of rip-rap
Construct pier (See detail)
Storm Drain Sta. 81+33.11
Harbor Drive Sta. 332+03
Concrete cradle
Collar
No Sewer
Cone Cellar
Grease Trap
Sewer Manhole
Curb Inlet
Catch Basin
Survey Monument
Property Line
Edge of asphalt pavement
Edge of concrete runway
Edge of concrete taxiway
Trench backfill per 303-5.3
Standard pipe bedding per 303-5.6
Crusher run rock bedding

Note: all rails to be 110 lb min.

Front
Side

Existing concrete bulk head
84" Concrete Pipe
El.-10.45
Notch flanges
Existing wall
Min. 7 shackle bolts 4"x4"x1/2" plates
36"I rail at each bent
Rail fastened with 4-1" bolts at each bent
2 rails 82+24 to 82+08
3 rails 39' long drilled under pier at each bent
Existing concrete bulk head
84" Concrete Pipe
82+09
82+15
82+17
82+23
SEE SHEET 6

Detail of Steel Rail Pier
Scale: 1/4" = 1'-0"

1/2" x 9" steel joint sleeve
Cement mortar coating rent by 2"x 4" #12 mesh welded wire mesh applied in plant.
15/16" ø rubber gaskets
Cement grout poured in field
Pipe interior
96" inst. dia. centrifugally spun reinforced concrete pipe (1250-D load)

Detail of Double Rubber Gasket Joint
Scale: 1 1/2" = 1'-0"

84" concrete pipe with double rubber gasket joints
Standard pipe bedding per 303-5.6
Crusher run rock bedding

Detail of Crusher Run Rock Bedding
Sta. 70+01 to 82+24
Scale: 1/4" = 1'-0"

APPROVALS	
CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
UTILITIES DIRECTOR	PORT ENGINEER
PUBLIC WORKS DIRECTOR	
ORIGINAL CONVEYANCE DOCUMENT NO. 553583 FILED FEB. 19, 1953	ORIGINAL CONVEYANCE DOCUMENT NO. 71 FILED FEB 13, 1953

DRAIN EASEMENT - Nly. of Laurel St. from Pacific Hwy to North Harbor Dr.

CITY OF SAN DIEGO
ENGINEERING DEPARTMENT
SHEET 10 OF 23 SHEETS

PLAN REVISION			
CHANGE	BY	DATE	APPROVAL

E.F. Galvanson 6/24/68
CITY ENGINEER DATE

CONSTRUCTION RECORD
DATE STARTED DATE COMPLETED
CONTR. INSP.
FIELD BOOK

WATER DEPT. | SEWERAGE
PLANNING DEPT. | DRAINAGE
ELECTRICAL | HIGHWAY
STRUCTURAL | GRADES
TRAFFIC | CONTROL O.T.J. 6-24-68

INDEX 209-1715

W.O. NO. 17430
OFFICE ENGINEER
SUPERVISOR
CHECKED
DESIGNED J.D. Ball
11556-10-D

HARBOR № 2153-D (Dr. Dist.)

DIETZGEN 2000 IMPERIAL

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3383
FILED JUN 28 1968
MICROFILM NO. 31
OFFICE OF THE CLERK

DATUM: MEAN LOWER LOW WATER

14 15 16 17 18 19 20 21 22 23 24 25

SEE SHEET 9 Match Line Sta. 14+00

El. 10 El. 5 El. 0 El.-5

PROFILE OF 12" Storm Drain B

42" Concrete Pipe — Invert — 0.11 % — 42" Concrete Pipe — Invert — 0.11 % — 36" Concrete Pipe — 30" Concrete Pipe

Top of existing pavement

PACIFIC HIGHWAY

— PROFILE of Storm Drain —
Convair Property
Scale: Horizontal 1" = 50'
Vertical 1" = 6'

CALIFORNIA ST.

SAN DIEGO AVE.

Ground Line

Existing 30" pipe

Invert

30" concrete pipe

Existing 30" pipe

- PROFILE -
Scale: Horizontal 1"=50'
Vertical 1" = 6

El. 120 110 100 90 80 El. 70

BLOCK 205
MIDDLETOWN

Make connection to concrete collar

25 lin. ft. concrete encasement per D-449-T

8" Sewer

30" Pipe (B10-L)

175' 30" Concrete Pipe (1250-D)

42.79'

6" Unft. concrete encasement Support

Closed

18"

Estudillo St. (Closed)

SAN DIEGO AVE.

CALIFORNIA ST.

For easement see Dwg. 3433-B

SCALE: 1" = 50'

DETAIL CROSS-SECTION OF PIPE TUNNEL
Scale: 1/4" = 1'-0"

Top of asphalt pavement El. 8.0 ±

Pipe tunnel

Remove portions of pipe tunnel if encroached during construction so as to be flush with exterior of pipe.

Road pipe

El. 1.80 ± Z

Class B concrete cradle under drain to depth of 1/4 pipe dia. above bottom of pipe.

Asphalt pavement 739.77 AOE

Concrete St. Pipe (1250-D)

18"-36" Concrete Pipe (1250-D)

15' Easement over existing easement

Connect to existing drop inlet Plug 12" pipe to drg.

Convair to raise or relocate duct

Sprinkler

BLDG. 2 BLDG. 7 BLDG. 13 BLDG. 15 BLDG. 1

CONVAIR

Pedestrian Overpass

Water vault Relocate

Pipe Chamber

Electric Duct

Sprinkler

Type H Cleanout Connect to 12" pipe to Drain

Type B Cleanout Connect to 8" pipe to Drain

Type B Cleanout 24"x36" Connect to 8" pipe to Drain

P.O.B. Pacific Hwy Sta. 383+08.07

PACIFIC HIGHWAY

SCALE: 1" = 50'

Easement below M.H.T.L. shown hatched

SEE SHEET 9
See Dwg. 11556-12-D

APPROVALS

CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
UTILITIES DIRECTOR	CHIEF ENGINEER
PUBLIC WORKS DIRECTOR	
ORIGINAL CONVEYANCE DOCUMENT NO. 65733 ON FILE IN THE CLERK'S OFFICE	ORIGINAL CONVEYANCE DOCUMENT NO. 11 ON FILE IN THE CLERK'S OFFICE

DRAINAGE ESMT. - from Pacific Hwy between Convair Buildings & across Lindbergh Field

TIDELANDS

CITY OF SAN DIEGO
ENGINEERING DEPARTMENT

SHEET 11 OF 23 SHEETS

W.O. NO. 17430

PLAN REVISION			
CHANGE	BY	DATE	APPROVAL

CONSTRUCTION RECORD
DATE STARTED — DATE COMPLETED
CONTR. — INSP.
FIELD BOOK

E. F. Gabrielson 6/24/68
CITY ENGINEER DATE

WATER DEPT.	SEWERAGE
PLANNING DEPT.	DRAINAGE
ELECTRICAL	HIGHWAY
STRUCTURAL	GRADES
TRAFFIC	CONTROL OTJ 6-24-68

Index 208-1713

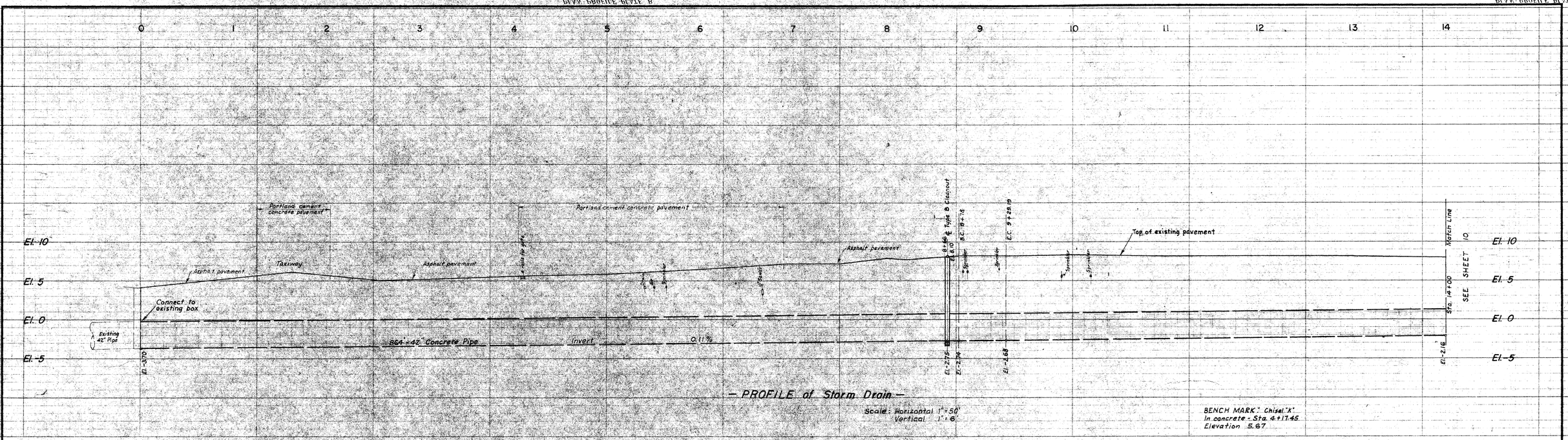
OFFICE ENGINEER
SUPERVISOR
CHECKED.
DESIGNED R.C.J.

11556-11-D

HARBOR No
Rel. Dwg. 2756-D

DIETZGEN 5008 MATERIAL

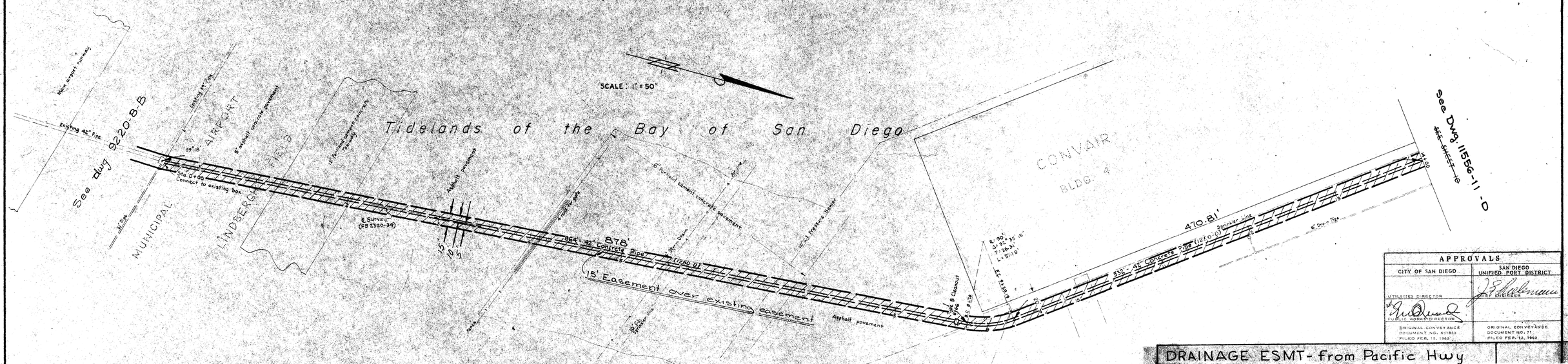
SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT No. 3383
FILED JUN 28 1968
MICROFILM No. 31
OFFICE OF THE CLERK



— PROFILE of Storm Drain —

Scale: Horizontal 1"=50'
Vertical 1"=6'

BENCH MARK: Chisel 'X' in concrete - Sta. 4+17.45 Elevation 5.67



Easement below M.H.T.L. shown hatched

APPROVALS	
CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
UTILITIES DIRECTOR	CITY ENGINEER
PUBLIC WORKS DIRECTION	
ORIGINAL CONVEYANCE DOCUMENT NO. 621833 FILED FEB. 13, 1963	ORIGINAL CONVEYANCE DOCUMENT NO. 71 FILED FEB. 13, 1963

DRAINAGE ESMT- from Pacific Hwy between Convair Buildings & across Lindbergh Field

TIDELANDS

CITY OF SAN DIEGO
ENGINEERING DEPARTMENT

SHEET 12 OF 23 SHEETS

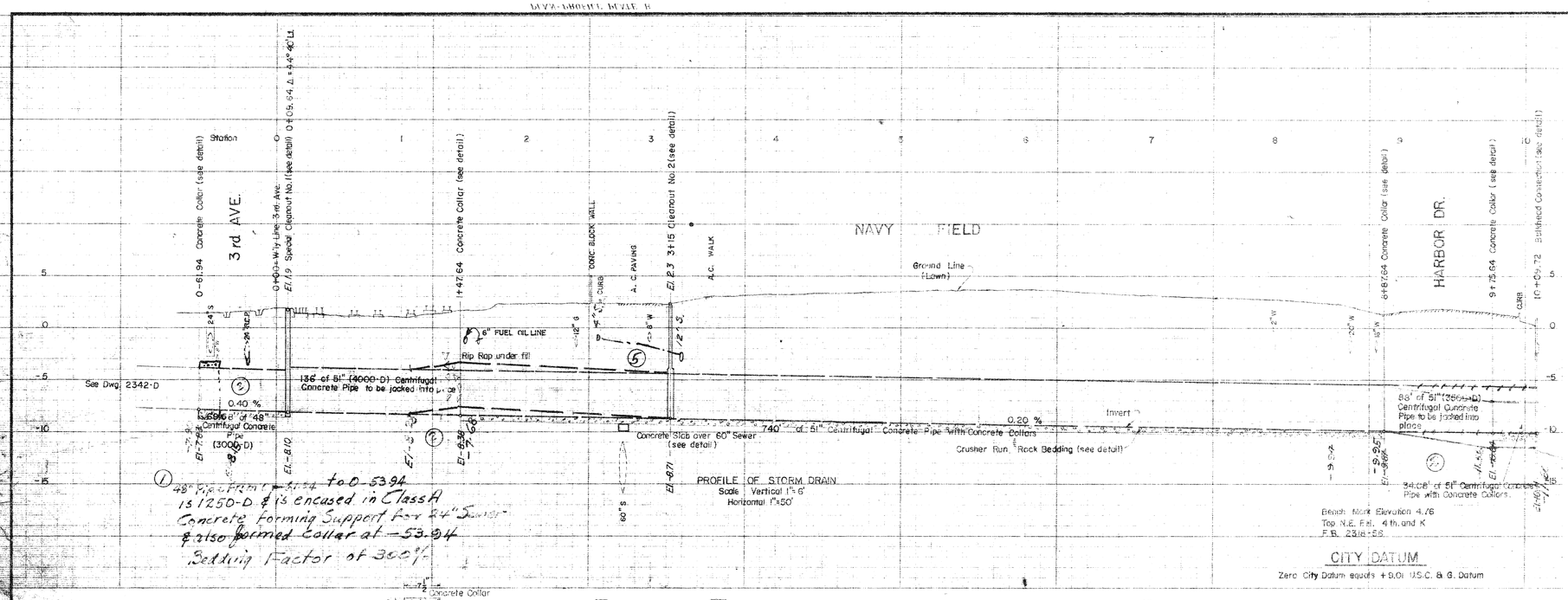
W.O. No. 17430

PLAN REVISION					
CHANGE	BY	DATE	APPROVAL		
				E. F. Gabrielson CITY ENGINEER	6/29/68 DATE
				WATER DEPT.	SEWERAGE
				PLANNING DEPT.	DRAINAGE
CONSTRUCTION RECORD				ELECTRICAL	HIGHWAY
DATE STARTED		DATE COMPLETED		STRUCTURAL	GRADES
CONTR.		INSP.		TRAFFIC	CONTROL
FIELD BOOK				INDEX 209-1713	

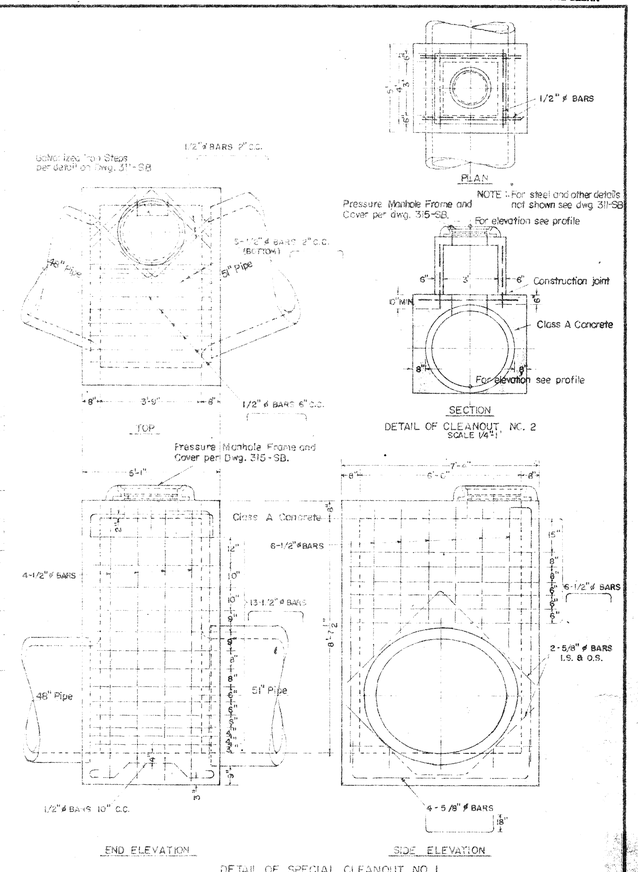
OFFICE ENGINEER
SUPERVISOR
CHECKED
DESIGNED R.C.d
11556-12-D

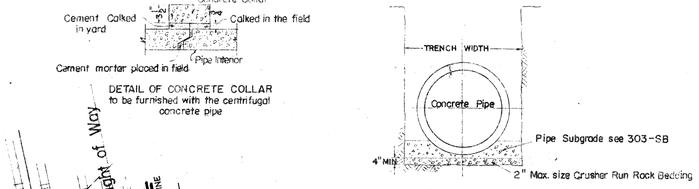
HARBOR No.
Ref City Dwg. 2755-D

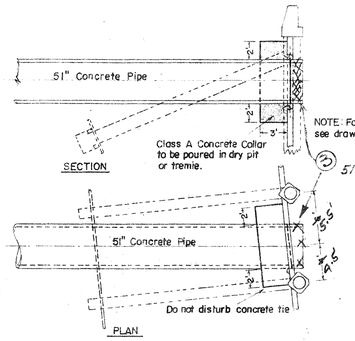
SAN DIEGO UNIFIED PORT DISTRICT
3383
DOCUMENT NO.
FILED JUN 28 1968
MICROFILM NO.
OFFICE OF THE CLERK



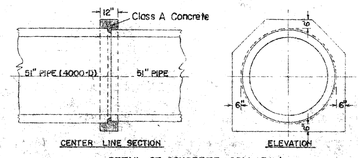
1 48" Pipe from 1+47.64 to 0-53.94 is 1s 1250-D & is encased in Class A Concrete forming Support for 51" Sewer & also formed Collar at -53.94 Bedding Factor of 300%-

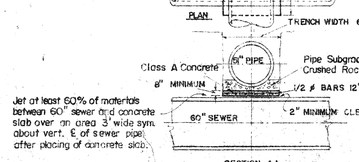






NOTE
Concrete Collars shall be furnished with the centrifugal concrete pipe to be used between stations 1+47.64 and 8+87.64 and stations 9+75.64 and 10+09.72.





SPECIFICATIONS
Standard Specifications filed July 7, 1954
Special Specifications № 453

APPROVALS
SAN DIEGO UNIFIED PORT DISTRICT
ORIGINAL CONFORMANCE

DRAIN ESMT. - Sly of 3rd & K Sts. thru Navy Field

13 23

C.F. Sammann 6/24/68

D.F.J. 6-24-68

COORD. INDEX: 1198 - 1719

SCALE: 1"=50'

11556-13-D

CONSTRUCTION RECORD		DWG. NO. 21225
CONTRACTOR Dorman	INSPECTOR Bashor	
DATE STARTED 5-2-55	REVISIONS (3)	DATE 8-30-55 1170
DATE COMPLETED 8-13-55		

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3283
FILED JUN 28 1968
MICROFILM NO.
OFFICE OF THE CLERK

℄ A.T. & S.F. R.R. MAIN LINE

5'-8" MINIMUM DEPTH OF COVER UNDER RAILROAD R/W

CASING MUST EXTEND MINIMUM DISTANCE OF 45' BEYOND ℄ OF EACH OUTSIDE TRACK

6" WATER MAIN

℄ APPROX 168' OF BORING UNDER RAILROAD R/W. EACH BORE PIPELINES IN 2-18" ℄ 1-10" CASINGS.

ELEV. -27

"16" WATERMAIN
REF. 3209, DEPT. OF PUBLIC WORKS
UNIT 7, HARBOR FRONT PIPE LINE

NOTE: Contractor to Use Extreme Caution in Vicinity of High Pressure H₂O Line.

MEAN HIGH TIDE LINE

3/4" H.P. GAS

36" R.C. STORM DRAIN

JUNCTION BOX

ELEVATION OF ℄ CROSBY ST.

PROPOSED DEPTH OF 4-10" ℄ 1-6 PIPELINES

42" R.C. STORM DRAIN

WATER ST. ℄

PROPOSED 10' SHELL OIL CO. R/W TO CONTAIN 4-10" PIPELINES AND REQUIRED CONDUITS

60'

6-10"

EXISTING DEPTH OF 6" PIPELINE

12" R.C. CROSS STORM DRAIN

2" WATER

8" SEWER

PROFILE OF CROSBY ST.

SCALE: HOR. 1" = 20'
VER. 1" = 3'

0.0 ELEV. BASED ON SAN DIEGO CITY DATUM

N 39° 16' 22" E 511.00' TO ℄ OF HARBOR DR.

196'±

8" WATER MAIN

2" H.P. GAS LINE IN 4" CONDUIT

4" H.P. GAS LINE IN 6" CONDUIT

4" WATER LINE

3/4" H.P. GAS LINE IN 2" CONDUIT

6" C.I. WATER PIPE

6" SEWER LINE

36" R.C. STORM DRAIN

2" WATER LATERAL

3/4" H.P. GAS LINE

PROPOSED 7½" EASEMENT TO CONTAIN 4-10" LINES ℄ 1-6" LINE + CONDUITS

N 55° 53' 43" E

72.10'

℄ SPUR TRACK

6" WATER MAIN

EXISTING SOUTHWEST ONYX & MARBLE COMPANY BLDG.

N 48° 01' 08" E

CHAIN LINK FENCE

SUMP

1'-0"

℄ 16" WATER MAIN

SCALE 1" = 20'

A.T. & S.F. R.R. MAIN LINE ℄

MEAN HIGH TIDE LINE

26.14'

JUNCTION BOX 36" R.C. STORM DRAIN TO 42" STORM DRAIN

EXISTING SHELL O/L CO. 10' R/W CONTAINS 6-6" PIPELINES & 2-1" CONDUITS TO BE REPLACED BY PROPOSED 4-10" ℄ 1-6" PIPE LINES ℄ REQ'D. CONDUITS.

95'

330'

20'T. 20'

10'

42" R.C. STORM DRAIN

15'

30'

WATER ST.

80'

℄ CROSBY ST.

30'

50'

MATCH LINE

188.70'

U.S. BULKHEAD LINE

FOR ESMT. ADJOINING ℄ IN WATER ST. SEE 11557-12-D

MATCH LINE

WATER ST. ℄

30'

SEE 11557-12-D

42" R.C. STORM DRAIN

MATCH LINE

N 39° 18' 15" E

EXTENDED R.W. LINE of WATER ST.

6' SIDE WALK

30'

24'

6" SEWER MAIN

6" WATER C.I. PIPE

℄ CROSBY ST.

60'

19'

11'

6" CURB LINE

70.96'

205'

30'

"L" R.C. CROSS STORM DRAIN

MANHOLE

Note: See 11558-6-D For Gen. Utility Esmt. in Water St.

CATCH BASIN

18" V.C.P. SEWER

8" TRANSITE WATER LINE

SHELL OIL CO. VALVE BOX

APPROVALS
SAN DIEGO UNIFIED PORT DISTRICT
DATE

General Utility & Drain Esmt. in Crosby St. Extended Below the M.H.T.L. TIDELANDS

14 23

E. A. Anderson 6/24/68

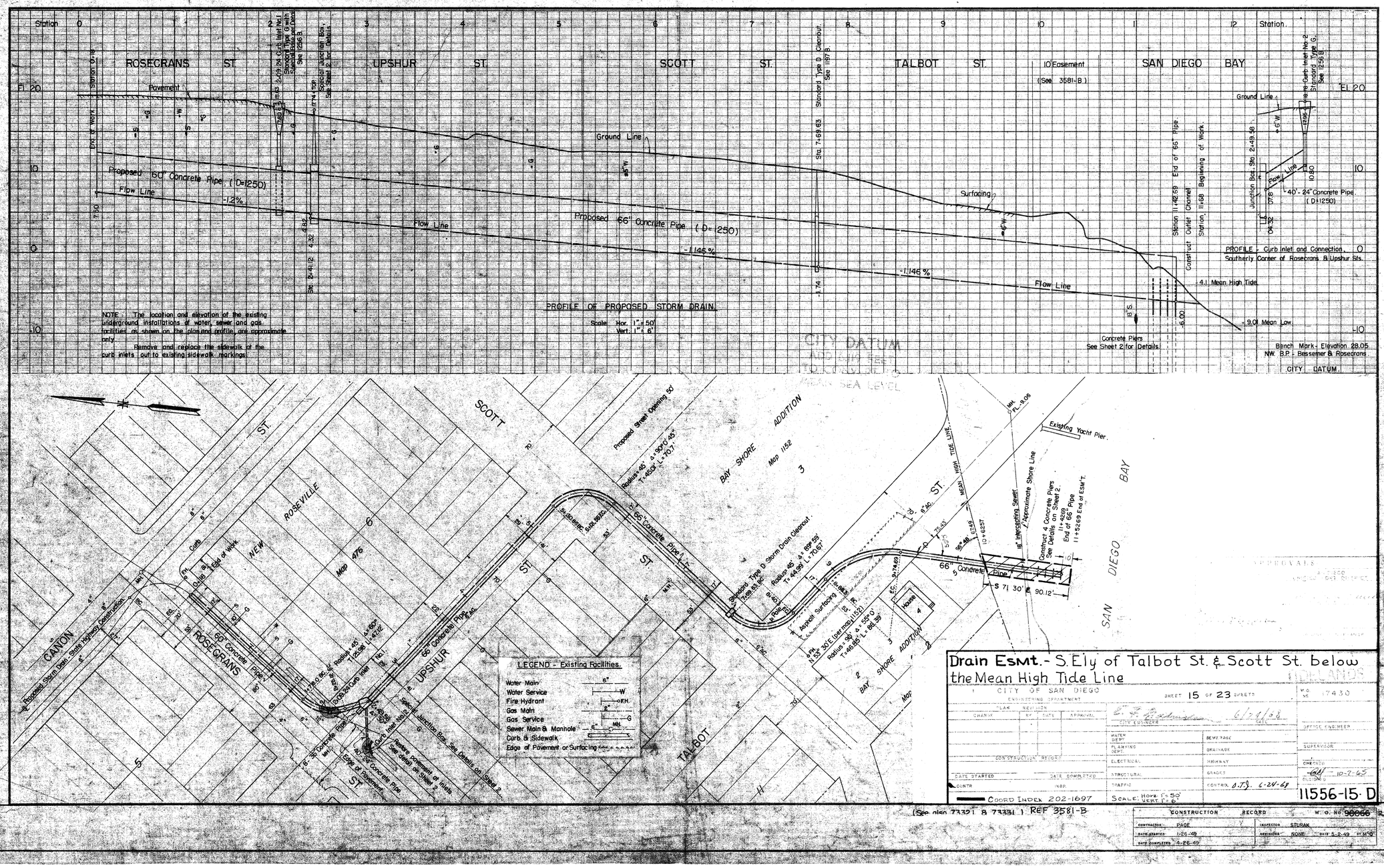
OJB 6-24-68

COORD. INDEX 192-1743 SCALE 1" = 20'

11556-14-D

REF 7811-D

SAN DIEGO UNIFIED PORT DISTRICT
3383
DOCUMENT No.
FILED JUN 28 1968
MICROFILM No.
OFFICE OF THE CLERK


Station 0
ROSECRANS ST.
UPSHUR ST.
SCOTT ST.
TALBOT ST.
SAN DIEGO BAY
El. 20
Pavement
Ground Line
Surfacing
Proposed 60" Concrete Pipe (D=1250)
Proposed 66" Concrete Pipe (D=1250)
Flow Line
-1.2%
-1.146%
Standard Type D Clean-out See 1197-S
Sta. 7+69.65
Sta. 11+42.59 End of 66" Pipe
Station 11+68 Beginning of Work
Construct Outlet Channel
10' Easement (See 3581-B)
Junction Box Sta. 2+49.98
40'-24" Concrete Pipe (D=1250)
Curb Inlet and Connection See Sheet 2
Mean High Tide
-9.01 Mean Low
Concrete Piers See Sheet 2 for Details
Bench Mark:- Elevation 28.05
NW. B.P. - Bessemer & Rosecrans
CITY DATUM
PROFILE - Curb Inlet and Connection, O Southerly Corner of Rosecrans & Upshur Sts.
PROFILE OF PROPOSED STORM DRAIN
Scale: Hor. 1"=50' Vert. 1"=6'
NOTE - The location and elevation of the existing underground installations of water, sewer and gas facilities as shown on the plan and profile are approximate only. Remove and replace the sidewalk at the curb inlets out to existing sidewalk markings.
CITY DATUM AND MEAN SEA LEVEL
SCOTT ST.
ROSEVILLE
BAY SHORE ADDITION
Map 1152
Map 476
CANON
ROSECRANS
UPSHUR
TALBOT
SAN DIEGO BAY
Proposed Storm Drain - State Highway Construction
Proposed Street Opening 50'
Radius 45' Δ=90°0'45" T=45.00 L=70.71
Radius 45' Δ=89°59' T=44.99 L=70.67
Radius 45' Δ=45°0' T=18.96 L=35.34
Radius 45' Δ=45°0' T=18.96 L=35.34
Radius 45' Δ=45°0' T=18.96 L=35.34

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3383
FILED JUN 28 1966
MICROFILM NO. 24
OFFICE OF THE CLERK

Station 7.5 | 7.6 | 7.7 | 7.8 | 7.9 | 8.0 | 8.1 | 8.2 | 8.3

Bench Mark Elevation 3.00
N.W.B.P. 13th and Imperial

75+25.75 End Transition Structure and Begin Double 13'x8' Concrete Box.

See Sheet 10

Backfill to grade of adjacent ground

¾" G.I. ①

8" C.P. ①

237.21 lin. ft. of Double 13'x8' Concrete Box (see detail sheet 2©)

18" R.C.P. ①

Ground Line

0.10 %

0.10 %

Crushed Rock Bedding

Invert of Open Channel

77+63.0 End Double 13'x8' Concrete Box and Begin Unlined Open Channel

S.D. & A.E. Ry. Trucks

A.T. & S.F. Ry. Trucks

83+21.85 End of Unlined Channel

10
5
0 CITY DATUM
-5
-9.01 = M.L.L.W.
-10

DOUBLE 13' X 8' CONCRETE BOX

El.- 7.23

El.- 7.47

El.- 8.03

PROFILE

Scale Vertical 1" = 6'
Horizontal 1" = 40'

Drain Esmt. Below M.H.T.L. Shown Hatched

6" C.I. ③ STANDPIPE (PLUGGED) ACCESS FOR PUMP HOSE LIGHTS, ETC.

Transition Structure No 2

NEWTON AVE.

13th ST

12" GAS 6" GAS 6" WATER 10" X 5' CONCRETE BOX 6" WATER 12" GAS

2" DRAIN

(CONTRACTOR TO REMOVE ALL DEBRIS OF EXISTING TIMBER BULKHEAD TO 1' BELOW BOTTOM OF BOX SECTION FOOTING)

75+23.77 Δ = 34° 34' 30" End of Transition Structure and Begin Double 13'x8' Conc. Box.

257.21 lin. ft. of Double 13'x8' Concrete Box (see detail sheet 2©)

77+18.9

77+63.0 End Double 13'x8' Concrete Box and Begin Unlined Open Channel.

79+32.3

558.9 lin. ft. of Unlined Open Channel (see detail this sheet)

Right of Way

DR.

HARBOR

Right of Way

S 39° 07' 15" W

550.61'

24" WATER

8" WATER

8" SEWER

DOUBLE 10'X5' CONCRETE BOX ABANDONED

DOUBLE 14'X8' CONCRETE BOX

S 50° 21' 15" W 52.33'

See Sheet 11556-17 D

Match line

74+39.25 End Double 10'x5' Concrete Box and Begin Transition Structure

See Sheet 10 D

74+26.16 D = 25°00'

74+23.68

75+22.10 (CESSPOOL) 75+19

76+13.40

76+47.10

77+06.32 ± MEAN HIGH TIDE LINE

77+14.60 ± MEAN HIGH TIDE LINE

3/4" G.I. PIPE

UNNUMBERED PUEBLO LOT
Know as the "Hartupee Tract"

MUNICIPAL TIDELANDS OF THE BAY OF SAN DIEGO

SURVEY LINE FB 221-22

S.D. & A.E. Ry.

A.T. & S.F. Ry.

SCALE 1"=40'

APPROVALS	
CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
LETTING SPECIAL ENGINEER	CHIEF ENGINEER
CITY ENGINEER	
FINAL CONVEYANCE (OPEN NO. 11821)	ORIGINAL CONVEYANCE DOCUMENT (NO. 7) FILED FEB. 3, 1953

1½ : 1 Slope

For elevation see profile

10'

CROSS SECTION DETAIL of UNLINED OPEN CHANNEL
Sta. 77+63 to Sta. 83+22
NO SCALE

REVISIONS

① EXISTING 18", 8", ¾" DRAINS
②{ CONSTRUCTION JOINT LOCATIONS
  CONSTRUCTION SEQUENCE AS NUMBERED
③ STANDPIPE LOCATION

Ref Dwg: 3624-D

Right of Way plat dwg. 6103-B

DRAIN ESMT.- Switzer Creek from Mean High Tide Line to Wly. of R.R. R/W

16 23

17430

07 60465

196 - 1721

11556-16 -

CONSTRUCTION RECORD	W. O. No 21269
CONTRACTOR A.P. Van Valkenburgh Co.	ENGINEER Walker E. Parsons
DATE STARTED 9-26-57	CONTRACT NO. 3
DATE COMPLETED 10-21-58	AS BUILT - 6-15-59 GWE

SECTION TYPE "B" (SEE SHEET #2)

SECTION TYPE "A" (SEE SHEET #2)

SECTION TYPE "C" (SEE SHEET #3)

SECTION TYPE "A" (SEE SHEET #2)

S 79° 21' 15" W

866.43'

S 69° 21' 15" W 160.11'

S 54° 21' 15" W

E. STORM DRAIN & CONTEL WALL & EQUAVY

0+79.09

0+23.00

0+50.00

10'

10'

15'-4"

29.40

Match line See sheet 11556-D

2+79.09

6+12.09

6+31.59

9+45.83

10'

SAN DIEGO UNIFIED PORT DISTRICT
3383
DOCUMENT NO.
FILED JUN 28 1968
MICROFILM NO. 31
OFFICE OF THE CLERK

40'

20'

DRAIN ESMT. Below M.H.T.L. Shown Hatched

SEND 24" STORM DRAIN & FACE OF HEADWALL (OUTLET END)
(SEE DET. SH #3)

11+05.34

9+45.83

NORTH

PLAN OF STORM DRAIN

SCALE - 1" = 40'

10'-4"

10'-4"

10'

10'

2'-6"

8'-4"

3'-0"

3'-0" ROOF PANEL (TYP.)

EXTEND VERT. WALL REINF. TO CURB BEAM AND HOOK

0.5%

0.5%

(FACE OF HEAD WALL)

CONCRETE BRACKET

49'-0"

STORM DRAIN

FOR PIPE LINE DETAILS SEE SH. NO 6965

PLAN

SCALE - 1/4" = 1'-0"

NOTE (A)
PIPE LAYOUT REVISED
SEE SHEET 4

TOP WALL EL. 12.45'

EL. 9.0'

EL. -3.95'

FLOW LINE EL. -8.63'

EL. -9.5'

STORM DRAIN

CONCRETE BRACKET

FOR PIPE LINE DETAILS SEE SH. NO. 4

NOTE - SEE CROSS SECTION SHEET 2 FOR DETAILS

3/4" RIZER 20.0' O.C. (TOP AND OF HEADWALL SIMILAR)

11'-7"

10'-8"

ELEVATION

SCALE - 1/4" = 1'-0"

TOP OF WALL EL. 7.45'

2'-0"

1'-6"

3'-0" ROOF PANEL (TYP.)

#3 TIES @ 12" O.C.

1" CL. (TYP.)

2-#6

2-#6

CONC. BRACKET

FOR PIPE LINE DETAILS SEE DWG. NO. 6965 SH. NO. 4

10'-8"

1½" MAX. FILL OVER TOP REINF. FOR BEDDING

SECTION @ A1

SCALE - 1/4" = 1'-0"

1'-10"

REINF. SIM. TO A1

2-1½" BOLTS @ EA. STRAP

2-#5 BARS

CONC. BRACKET (ALL BRACKETS 8" WIDE)

11'-7½"

3"

6'-0"

SECTION @ B1

SCALE - 1/4" = 1'-0"

DET. OF HEADWALL (INLET END) STA. 0 + 50

GENERAL NOTES

1. FOR GROUND CONDITIONS & OTHER WORK SEE CITY OF SAN DIEGO DRAWINGS Nº — 3145-D; 3145-D; 3147-D; 6965.

APPROVED
Engineering Dept. A

APPROVALS	
CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
UTILITIES DIRECTOR	CHIEF ENGINEER
PUBLIC WORKS DIRECTION	
ORIGINAL CONVEYANCE DOCUMENT NO. 561933 FILED FEB. 12, 1963	ORIGINAL CONVEYANCE DOCUMENT NO. 21 FILED FEB. 19, 1963

Approved:
FOR DESIGN ONLY
DATE

DRAIN ESMT- Switzer Creek TIDELANDS
from W'ly of A.T.&S.F. R.R. to San Diego Bay

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 17 OF 23 SHEETS

W.O. NO. 17430

E. F. Gubbins 6/29/68
CITY ENGINEER DATE

DIVISION HEAD

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL			6/29/68	

DESIGN ENGINEER

CONTROL CERTIFICATION

HARBOR Nº 303-D

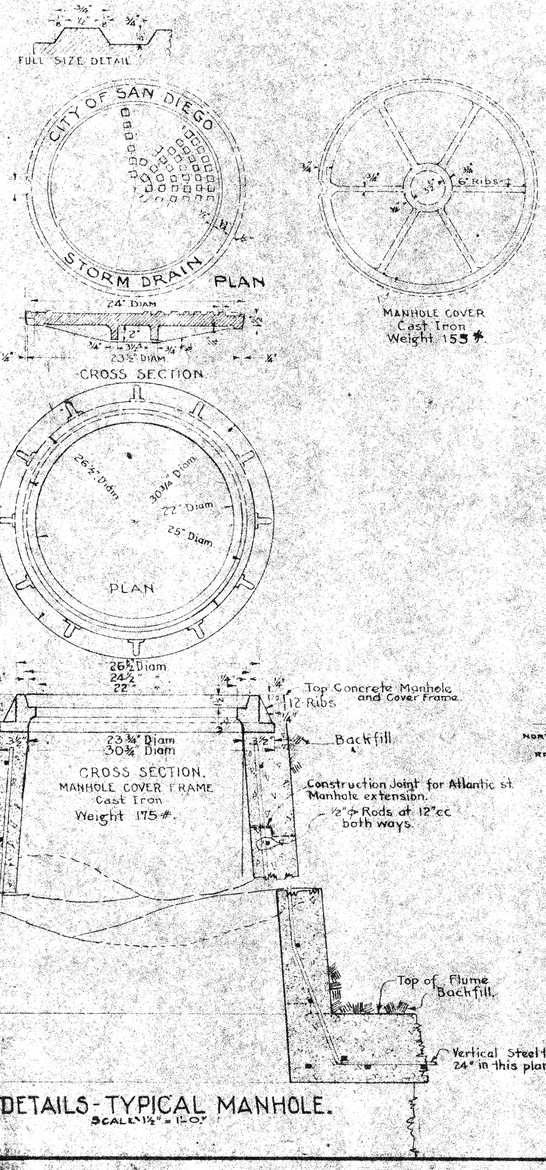
194-1719
ASSESSMENT NUMBERS

CONTRACTOR
INSPECTOR

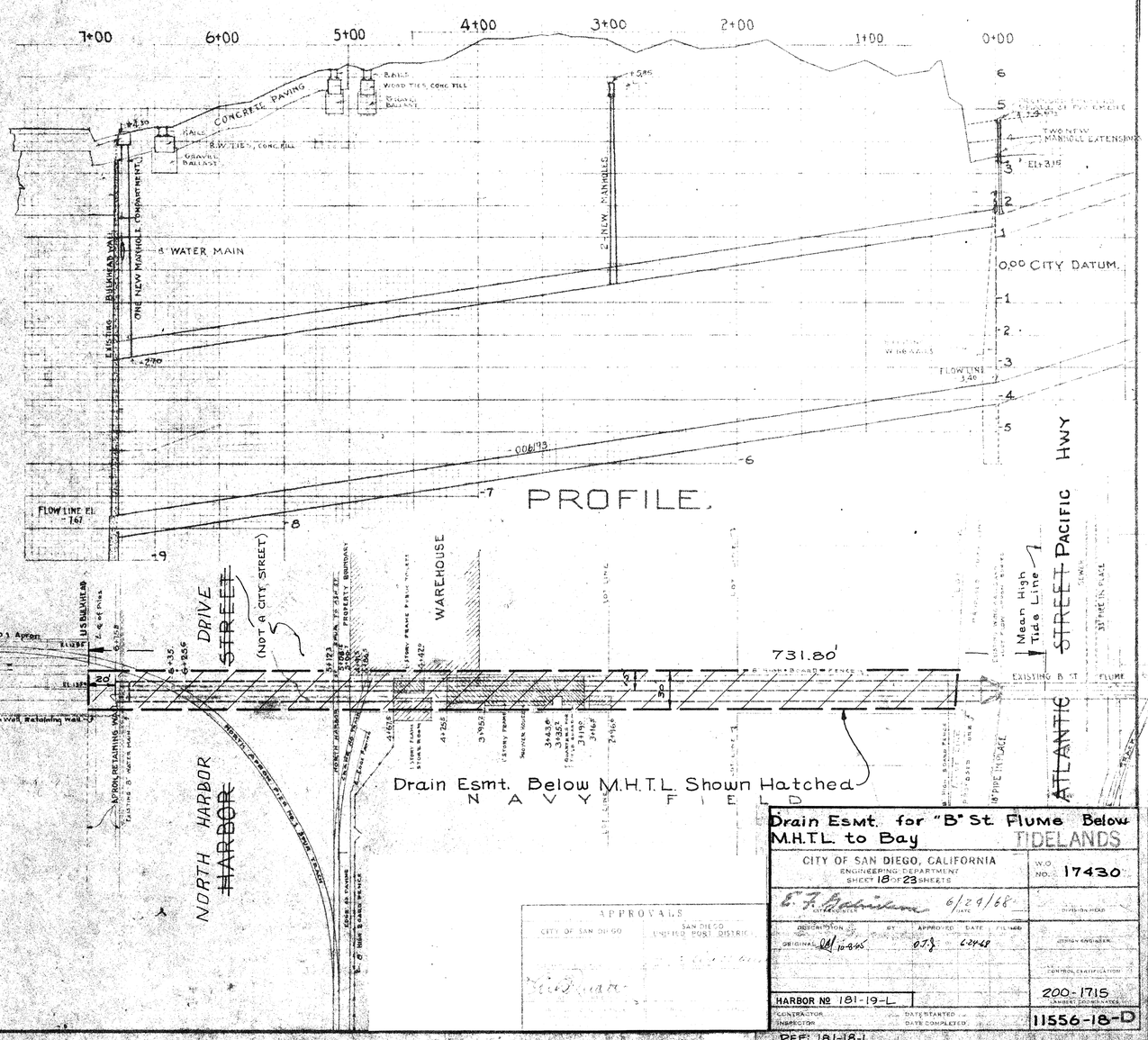
DATE STARTED
DATE COMPLETED

1155647-D

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3383
FILED JUN 28 1968
MICROFILM NO. 34
OFFICE OF THE CLERK



DETAILS - TYPICAL MANHOLE.
SCALE 1½" = 1'-0"



Drain Esmt. for "B" St. Flume Below M.H.T.L. to Bay
TIDELANDS

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 18 OF 23 SHEETS

W.O. NO. 17430

APPROVALS

DESCRIPTION	BY	APPROVED	DATE	FILED
ORIGINAL				

HARBOR NO 181-19-L

200-1715

11556-18-D

CONTRACTOR
INSPECTOR
DATE STARTED
DATE COMPLETED

REF: 181-18-L
4722-A-D

2-72" ϕ PIPES SEE FB 21/3, 0-75
USED 775 CY

181-19-L

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3583
FILED JUN 28 1968
MICROFILM NO. 31
OFFICE OF THE CLERK

Δ = 9° 53' 20"
R = 1950.08'
L = 336.67'
Northerly Property Line Harbor Drive
N 60° 18' 28" W 204.00'
N 64° 06' 10" W 359.72'
6" Concrete Traffic Lanes
Edge of shoulder
HARBOR
DRIVE
Sly Line Harbor Drive R/W
N 84° 51' 40" W - 100.136'
N 86° 17' 40" W - 100.36'
N 83° 56' 20" W - 100.097'
N 82° 37' 40" W - 100.022'
N 82° 51' 40" W - 100.03'
N 81° 28' 40" W - 100.0'
N 81° 53' 40" W - 100.013'
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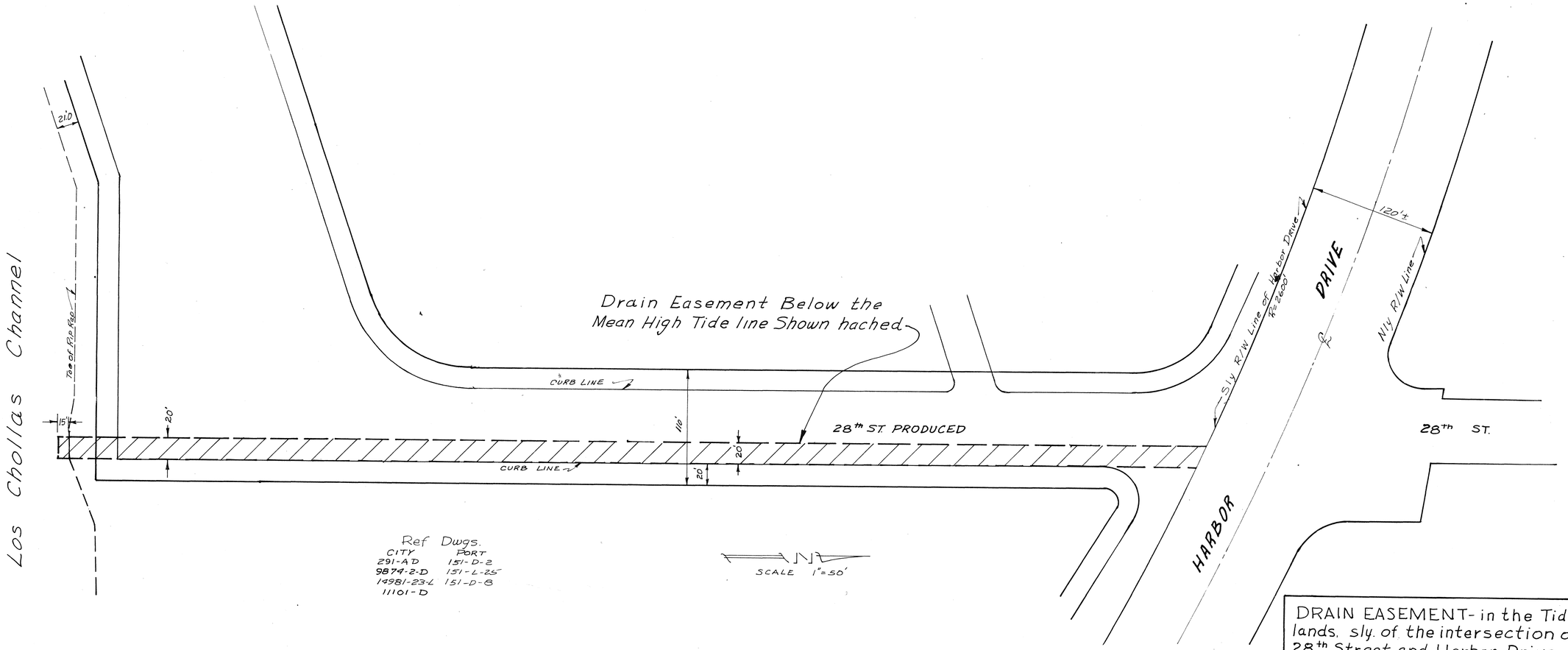
SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT No. 3383
FILED JUN 28 1968
MICROFILM NO. 31
OFFICE OF THE CLERK



Ref Dwgs.

CITY	PORT
291-A D	151-D-2
9879-2-D	151-L-25
14981-23-L	151-D-8
11101-D	

N
SCALE 1"=50'

DRAIN EASEMENT- in the Tidelands, sly. of the intersection of 28th Street and Harbor Drive

APPROVALS	
DEPARTMENTAL	ENG. DEPT. DIVISION OR SECTION
PLANNING	CONST. INSPECTION
PROPERTY	ELECTRICAL
PUBLIC WORKS	FIELD CHECK
RECREATION	GRADES AND DRAINS
UTILITIES	HIGHWAYS
	MONUMENTS
STRUCTURAL	PARKS
TRAFFIC	SEWERAGE
WATER	STREET ACTIONS

APPROVALS	
CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
UTILITIES DIRECTOR	CHIEF ENGINEER
PUBLIC WORKS DIRECTOR	
ORIGINAL CONVEYANCE DOCUMENT NO. 83923 RECORDS OF S.D. CO.	ORIGINAL CONVEYANCE DOCUMENT NO. 71 RECORDS OF S.D. CO.

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 20 OF 23 SHEETS

W.O. NO. 17430

CITY ENGINEER — DATE 5/31/61 — DIVISION HEAD

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL			6-24-61	

DESIGN ENGINEER

CONTROL CERTIFICATION

190 - 1727
LAMBERT COORDINATES

CONTRACTOR — DATE STARTED
INSPECTOR — DATE COMPLETED

11556-20-D

NORTH HARBOR DRIVE

South property line of Harbor Drive

Existing 48" R.C.P.

Existing 30" R.C.P.

Sta. 387+80.93 ℄

Sta. 384+62.09 ℄

Sta. 382+89.89

Collection along Harbor Dr.

S86°26'49"E ℄ NORTH HARBOR DRIVE

S 56° 37' 58" W
166.47'

100'±

Abandoned

Make connection

F.L. 0.32

NOT IN CONTRACT

Construct 232'± of 48" R.C.P. storm drain @ 0.2%

See detail of outfall

±EL -0.14

F.L. 5.58'

Construct Type D catch basin with Type S-2 grate. See Dwgs. D-12-55 D-33-59

El. 12.0

Remove 12' of projecting rails

Construct 195'± of 36" R.C.P. storm drain @ 2.3%

C.O.

El. 12.5

Fill joints of last four lengths of existing 36" R.C.P. on inside and where visible on outside.

Existing railroad rail outfall extends approx. 12' past end of existing 36" pipe.

Construct 198'± of 36" R.C.P. storm drain

F.L. 5.36

S 48°26'26" W

Note:
Fill will be to approx. elevations shown before start of work.

El. 13.6

F.L. 4.46'

F.L. 4.48

F.L. 4.30'

≤=102°±

Construct 298'± of 12" R.C.P. storm drain @ 2.4%

El. 13.5

Make connection

Existing 12" R.C.P.

Re-align last length of existing 12" R.C.P. with existing portion.

Construct 92'± of 12" R.C.P. storm drain

F.L. 10.16

See detail of concrete lug.

El. 14.0

Approximate top of bank (Under construction)

El. 14.5

F.L. 3.3

101'±

San Diego Speedboat Club

INSTITUTE OF OCEANOGRAPHICAL SCIENCES

TOWING BASIN BUILDING

Existing concrete wall

WEST BASIN

EAST BASIN

SCALE 1"=50'

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3383
FILED JUN 28 1968
MICROFILM No. 34
OFFICE OF THE CLERK

WORK TO BE DONE

The improvement consists of the construction of storm drains, manholes, inlet structures, and the modifications incidental thereto, as shown on the plans and listed on the estimate in the City.

The construction of approximately 32'± of 12" R.C.P., 308'± of 36" R.C.P., 124'± of 36" R.C.P., and 265'± of 42" R.C.P. storm drain, is to be done.

CITY STANDARD DRAWINGS

D-12-55 Precast reinforced concrete slab and grate
D-33-59 Type D catch basin

All elevations shown hereon are in feet and decimals of a foot, and refer to the mean lower low water, the zero datum of the U.S. Coast & Geodetic Survey.

Basis of Bearing: ℄ of Harbor Dr per dwg. 204-D-1 (Harbor dwg) I.E. S86°26'49"E

Ref Dwgs:
603-D (HARBOR DWG)
17-D-114 " "
204-D-1 " "
6155-3R CITY
12125-2A-D CITY

LOCATION PLAN

Scale 1000' 2000' 3000' 4000' 5000'

BASILONE HIGHWAY, CONVAIR, LINDBERGH FIELD, LAUSEN ST., RYAN, CONVAIR, HARBOR DRIVE, WEST BASIN, EAST BASIN, HARBOR ISLAND, LOCATION OF WORK, SAN DIEGO BAY, CIVIC CENTER, ASH ST., HARBOR DEPT. ADMIN. BLDG.

Bay of San Diego

DRAIN ESMT. - S'ly of HARBOR DR. adjacent to the ENTRANCE of HARBOR ISLAND

ENGINEERING DEPARTMENT

APPROVALS

CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
CITY ENGINEER	
ASSISTANT DIRECTOR	
PUBLIC WORKS INSPECTOR	
ORIGINAL CONVEYANCE DOCUMENT NO. 71835	ORIGINAL CONVEYANCE DOCUMENT NO. 71 DATED NOV. 13, 1963

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 21 OF 23 SHEETS

W.O. NO. 17430

CITY ENGINEER ____ DATE ____ DIVISION HEAD

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	[illegible]	[illegible]	6-24-68	

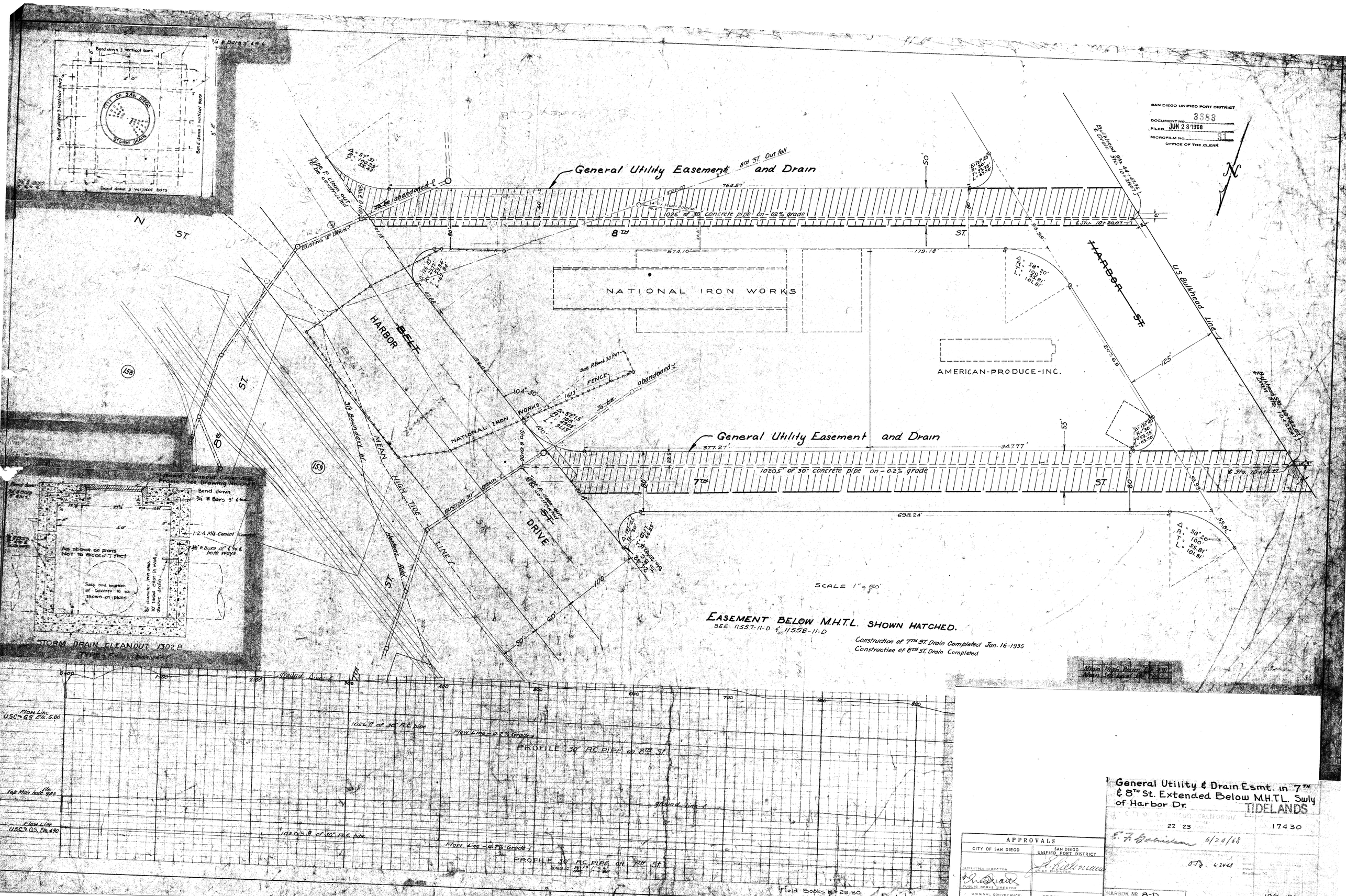
DESIGN ENGINEER

CONTROL CERTIFICATION

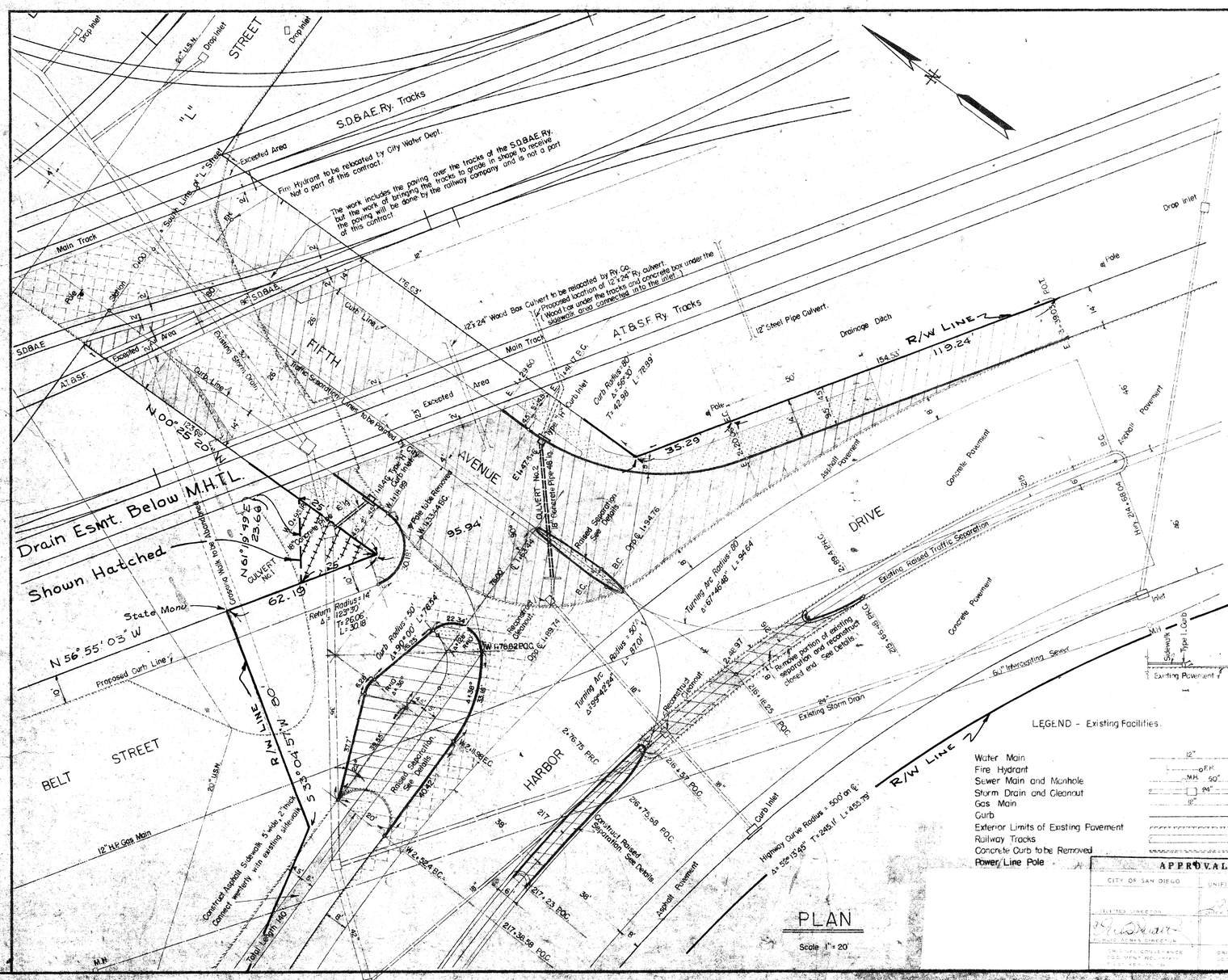
204-1709 LAMBERT COORDINATES

CONTRACTOR ____ DATE STARTED ____
INSPECTOR ____ DATE COMPLETED ____

11556-21-D

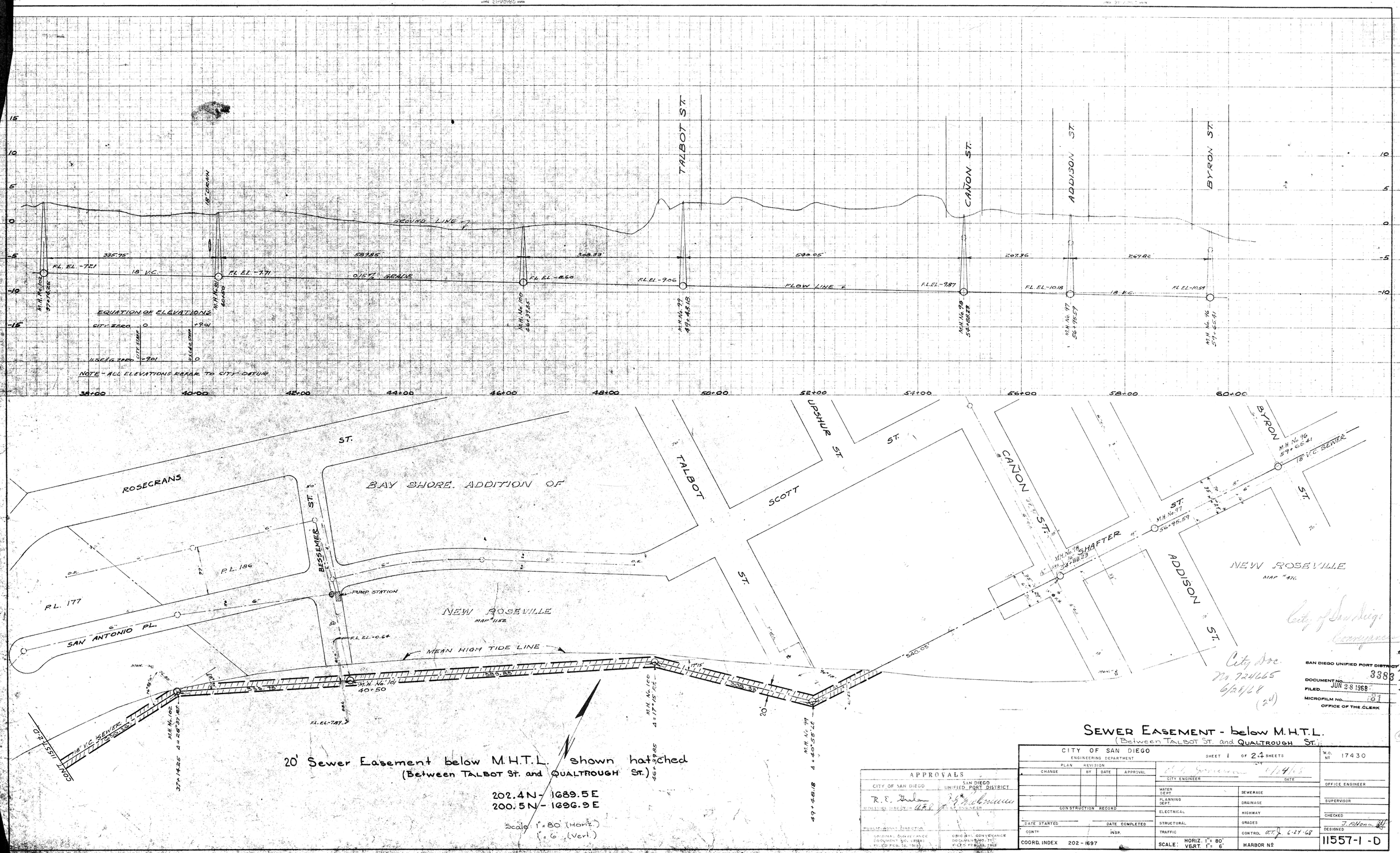

Bend down 3 vertical bars
1/4 E Bars 3' c to c
CITY OF SAN DIEGO
STORM DRAIN
Bend down 3 vertical bars
Bend down 3 vertical bars
Bend down 3 vertical bars
N ST.
8TH
ST.
HARBOR DRIVE
HARBOR BLVD.
Type F clean out to be constructed
EXISTING 18" DRAIN
to be abandoned
General Utility Easement and Drain
8th ST. Out fall
764.57'
1026' of 30" concrete pipe on - 0.2% grade
14" Steam Return
8" Sto. 10+20.07
Bulkhead Line & Datum
U.S. Bulkhead Line
HARBOR ST.
NATIONAL IRON WORKS
AMERICAN-PRODUCE-INC.
179.18'
574.16'
227.65'
125'
99.99'
55.81'
101.81'
Δ 59° 30'
R 100'
T 55.81'
L 101.81'
Δ 57° 51'
T 100.25'
L 194.82'
R 197.15'
T 105.03'
L 199.03'
R 917.9'
See F Book 30 P 47
FENCE
104.30'
161.3'
abandoned
NATIONAL IRON WORKS
Sta 8+00.00
EXISTING 30" DRAIN
Type F clean out to be constructed
MEAN HIGH TIDE LINE
Δ 57° 51'
R 100'
T 57.85'
L 100.98'
Δ 102° 45'
R 30'
T 34.70'
L 53.81'
64.85'
7TH
ST.
DRIVE
1020.5' of 30" concrete pipe on - 0.2% grade
377.27'
347.77'
698.24'
55.81'
Δ 59° 30'
R 100'
T 55.81'
L 101.81'
SCALE 1" = 50'
EASEMENT BELOW M.H.T.L. SHOWN HATCHED.
SEE 11557-11-D & 11558-11-D
Construction of 7TH ST. Drain Completed Jan. 16-1935
Construction of 8TH ST. Drain Completed
Water Pipe Main 24" and 8" Cast Iron
Water 24" and 8" Cast Iron
STORM DRAIN CLEANOUT 1302 B
TYPE "F"
Bend down
3/4" ⌀ Bars 9" c to c
1:2:4 Mix Cement Concrete
As shown on plans Not to exceed 1 foot
Size and location of Culverts to be shown on plans
Varies. Clean out Cover and Frame See Drawing No. 1302 B
Bend down
3/4" ⌀ Bars 12" c to c both ways
8" chamfer bar step, 12" from wall, 6" above invert
Trawd. Line ℄
1026 ft of 30" R.C. pipe
Flow Line 0.2% Grade
PROFILE 30" RC PIPE on 8TH ST.
Flow Line U.S.C. & G.S. Ele. 5.00
Top Man hole Ele. 9.85
Flow Line U.S.C. & G.S. Ele. 4.90
1020.5 ft of 30" R.C. pipe
Flow Line - 0.2% Grade
PROFILE 30" RC PIPE on 7TH ST.
Scale Horiz. 1" = 100' Vert. 1" = 10'
Field Books No's 25-30
Flowline Ele. 2.90
SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3383
FILED JUN 28 1968
MICROFILM NO. 31
OFFICE OF THE CLERK
APPROVALS
CITY OF SAN DIEGO
UTILITIES DIRECTOR
PUBLIC WORKS DIRECTOR
SAN DIEGO UNIFIED PORT DISTRICT
CHIEF ENGINEER
ORIGINAL CONVEYANCE DOCUMENT NO. 151939 FILED FEB. 15, 1963
ORIGINAL CONVEYANCE DOCUMENT NO. FILED FEB. 11, 1963
General Utility & Drain Esmt. in 7TH & 8TH St. Extended Below M.H.T.L. Swly of Harbor Dr.
TIDELANDS
22 23
17430
E.F. Bonnicksen 6/24/68
0.7 ft. 6.24.68
HARBOR NO 8-D
196-1719
11556-33

SAN DIEGO UNIFIED PORT DISTRICT
3383
DOCUMENT NO.
FILED JUN 28 1968
MICROFILM NO. 31
OFFICE OF THE CLERK


STREET
Drop Inlet
12"C.S.M.
"L"
S.D.&A.E.Ry. Tracks
Excepted Area
Fire Hydrant to be relocated by City Water Dept.
Not a part of this contract.
The work includes the paving over the tracks of the S.D.&A.E.Ry. but the work of bringing the tracks to grade in shape to receive the paving will be done by the railway company and is not a part of this contract.
South Line of "L" Street
Main Track
SDB&AE
AT&SF
Curb Line
Parkway Storm Drain
Traffic Separation Lines to be Painted
FIFTH
AVENUE
Excepted Area
Drain Esmt. Below M.H.T.L. Shown Hatched
N 00° 25' 20" W
123.60'
Pole to be Removed
W 133.45 EC
Curb Inlet
Type "H"
Elev. 19.49
Elev. 23.66
Concrete Pipe
Return Radius = 14'
Δ = 123°30'
T = 26.06
L = 30.48
Proposed Curb Line
State Mon.
N 56° 55' 03" W
62.13'
Curb Radius = 50'
Δ = 39°00'
L = 78.54'
Reconstruct Cleanout
Elev. 6.89
Elev. 19.74
W 7682 POC
Proposed Separation See Details
W 2.45 SEC
W 2.56 BC
Construct Asphalt Sidewalk 5' wide, 2" thick. Connect smoothly with existing sidewalk
Total length 140'
Curb Inlet
Type "H"
Elev. 19.49
Elev. 23.66
Pole
Pole to be Removed
W 133.45 EC
Curb Radius = 50'
T = 42.58'
L = 78.89'
Curb Radius = 50'
Δ = 59°30'
Main Track
123.24" Wood Box Culvert to be relocated by Ry. Co.
Proposed location of 12"x24" Ry. culvert.
(Wood box under the tracks and concrete box under the sidewalk and connected into this inlet.)
AT&S.F. Ry. Tracks
12" Steel Pipe Culvert.
Drainage Ditch
R/W LINE
154.53'
119.24'
Pole
Curb Inlet
Type "H"
Elev. 19.49
Elev. 23.66
Curb Radius = 50'
T = 42.58'
L = 78.89'
35.29'
Pole
Asphalt Pavement
Concrete Pavement
DRIVE
Existing Raised Traffic Separation
Turning Arc Radius = 50'
Δ = 67°45'40"
L = 94.64'
Turning Arc Radius = 50'
Δ = 59°22'24"
L = 87.01'
Reconstruct Cleanout
Elev. 6.89
Elev. 19.74
Remove portion of existing separation and reconstruct dotted end. See Details.
Existing Storm Drain
Reconstruct Cleanout
Elev. 6.89
Elev. 19.74
Intercepting Sewer
Drop Inlet
Pole
Pole
Inlet
M.H.
Sidewalk
Type L Curb
Existing Pavement
Asphalt Surfacing Fill over Existing Pavement
Existing Curb to be removed
Superimposed Center Separation Type S Curb
℄ of Fifth Ave.
2" Asphalt Concrete Wearing Surface
4" Asphalt Concrete Base
Standard 8" Curb
Sidewalk - Slope walk 1/4" per ft. at right angles to curb. Make level at the railway track.
See Profiles for Elevations
Ground Line
Embankment
Property Line
Fill Slope
See Plan for Dimensions
SECTION AT STATION ℄ 1+70 - Looking North.
(Typical for the Improvement)
Scale 1" = 10'
Curb Inlet
Highway Curve Radius = 500' on ℄
Δ = 52°15'35" T = 245.1' L = 455.79'
R/W LINE
Asphalt Pavement
Construct Asphalt Sidewalk 5' wide, 2" thick. Connect smoothly with existing sidewalk
Construct Raised Separation See Details
BELT STREET
HARBOR
12" H.P. Gas Main
20" USM
Crossing Made by Boring
Parkway
N 00° 25' 20" W
123.60'
R/W LINE
S 33° 04' 50" W
33.62'
2+76.75 PRC
216+57 POC
216+75.59 POC
217+23 POC
217+38.58 POC
216+16.25 POC
2+46.97
Elev. 6.89
Elev. 19.74
Elev. 6.89
Elev. 19.74
Elev. 6.89
Elev. 19.74

SEWER EASEMENT - below M.H.T.L.

(Between TALBOT ST. and QUALTROUGH ST.)



20' Sewer Easement below M.H.T.L. shown hatched
(Between TALBOT ST. and QUALTROUGH ST.)

202.4N - 1689.5E
200.5N - 1696.9E

Scale: 1" = 80' (Horiz.)
1" = 6' (Vert.)

City Doc. No. 724665 6/24/68 (24)

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3383
FILED JUN 28 1968
MICROFILM NO. 01
OFFICE OF THE CLERK

APPROVALS	
CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
R. E. Thulen UTILITIES DIRECTOR	J. M. Schumann CHIEF ENGINEER
PUBLIC WORKS DIRECTOR	
ORIGINAL CONVEYANCE DOCUMENT NO. 37383 FILED FEB. 16, 1961	ORIGINAL CONVEYANCE DOCUMENT NO. 77 FILED FEB. 8, 1962

CITY OF SAN DIEGO
ENGINEERING DEPARTMENT
SHEET 1 OF 24 SHEETS

W.O. Nº 17430

PLAN REVISION			
CHANGE	BY	DATE	APPROVAL

E. J. Symmes 6/14/68
CITY ENGINEER DATE

OFFICE ENGINEER

WATER DEPT.	SEWERAGE
PLANNING DEPT.	DRAINAGE
ELECTRICAL	HIGHWAY
STRUCTURAL	GRADES
TRAFFIC	CONTROL

SUPERVISOR

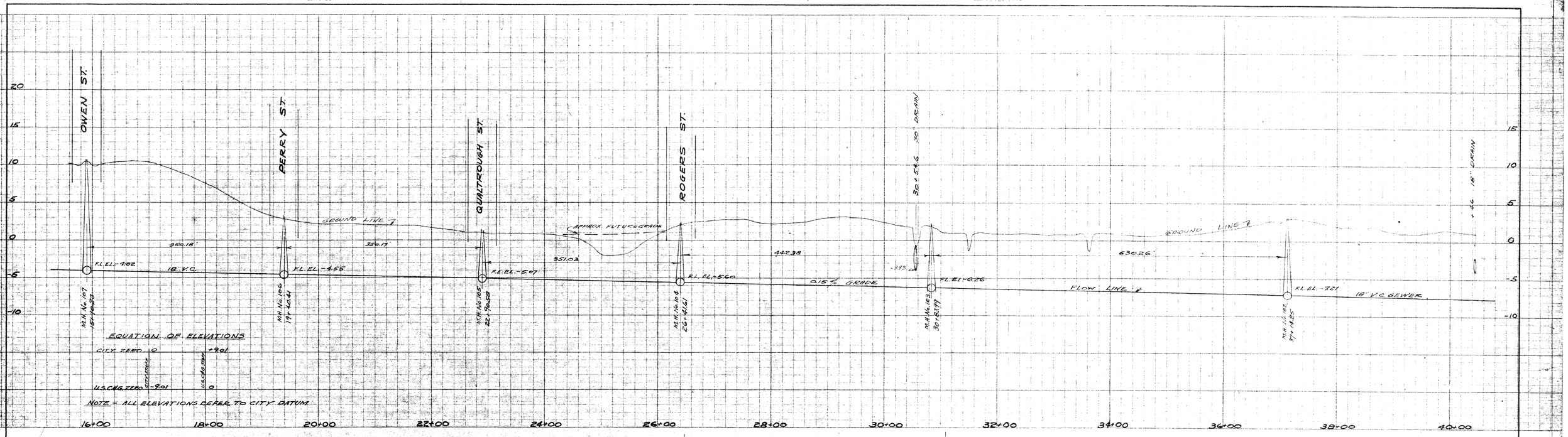
CHECKED

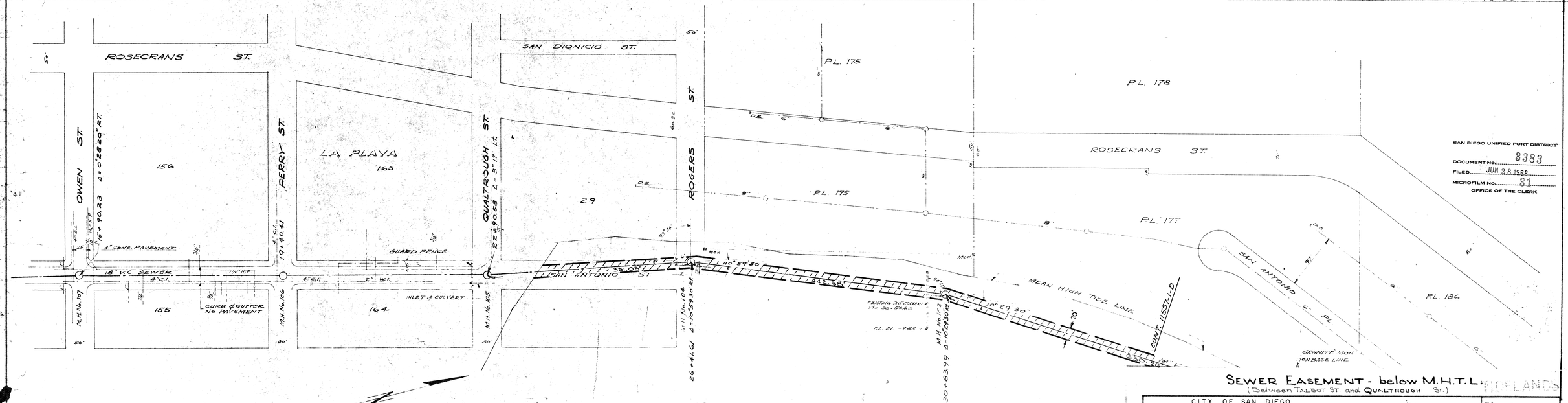
DESIGNED T. Pihos

CONSTRUCTION RECORD
DATE STARTED — DATE COMPLETED
CONTR — INSP.
COORD. INDEX 202 - 1697
SCALE: HORIZ. 1" = 80' VERT. 1" = 6'
HARBOR Nº

11557-1-D

Ref. 981-D, Sht. 18





20' Sewer Easement below M.H.T.L. shown hatched
(Between TALBOT ST. and QUALTROUGH ST.)

202.4 N - 1689.5 E
200.5 N - 1696.9 E

Scale: 1" = 80' (Horiz)
1" = 6' (Vert.)

SEWER EASEMENT - below M.H.T.L.
(Between TALBOT ST. and QUALTROUGH ST.)

APPROVALS	
CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
R. E. Taylor	J. Wilkinson
CITY ENGINEER	PUBLIC WORKS DIRECTOR
ORIGINAL CONVEYANCE DOCUMENT NO. (S) FILED	ORIGINAL CONVEYANCE DOCUMENT NO. (S) FILED FEB. 17 1953

CITY OF SAN DIEGO
ENGINEERING DEPARTMENT
SHEET 2 OF 24 SHEETS

PLAN REVISION			
CHANGE	BY	DATE	APPROVAL

CONSTRUCTION RECORD

DATE STARTED ____ DATE COMPLETED ____

CONTR. ____ INSP. ____

COORD. INDEX 200-1695

E. M. Gudmundsen 6/28/68
CITY ENGINEER DATE

WATER DEPT.	SEWERAGE
PLANNING DEPT.	DRAINAGE
ELECTRICAL	HIGHWAY
STRUCTURAL	GRADES
TRAFFIC	CONTROL 6-24-68

W.O. NO. 17430

OFFICE ENGINEER

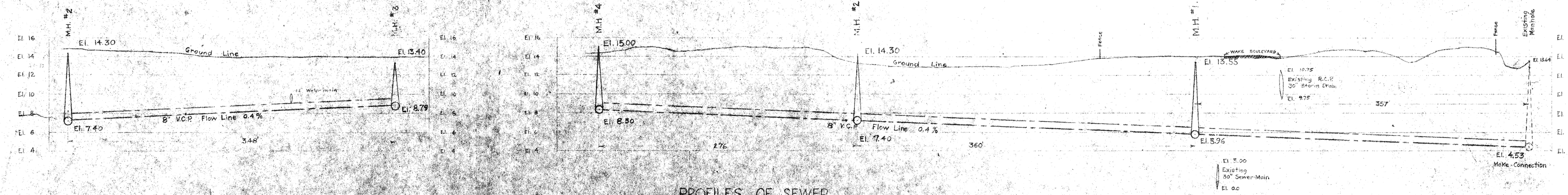
SUPERVISOR

CHECKED

DESIGNED T. Wilson

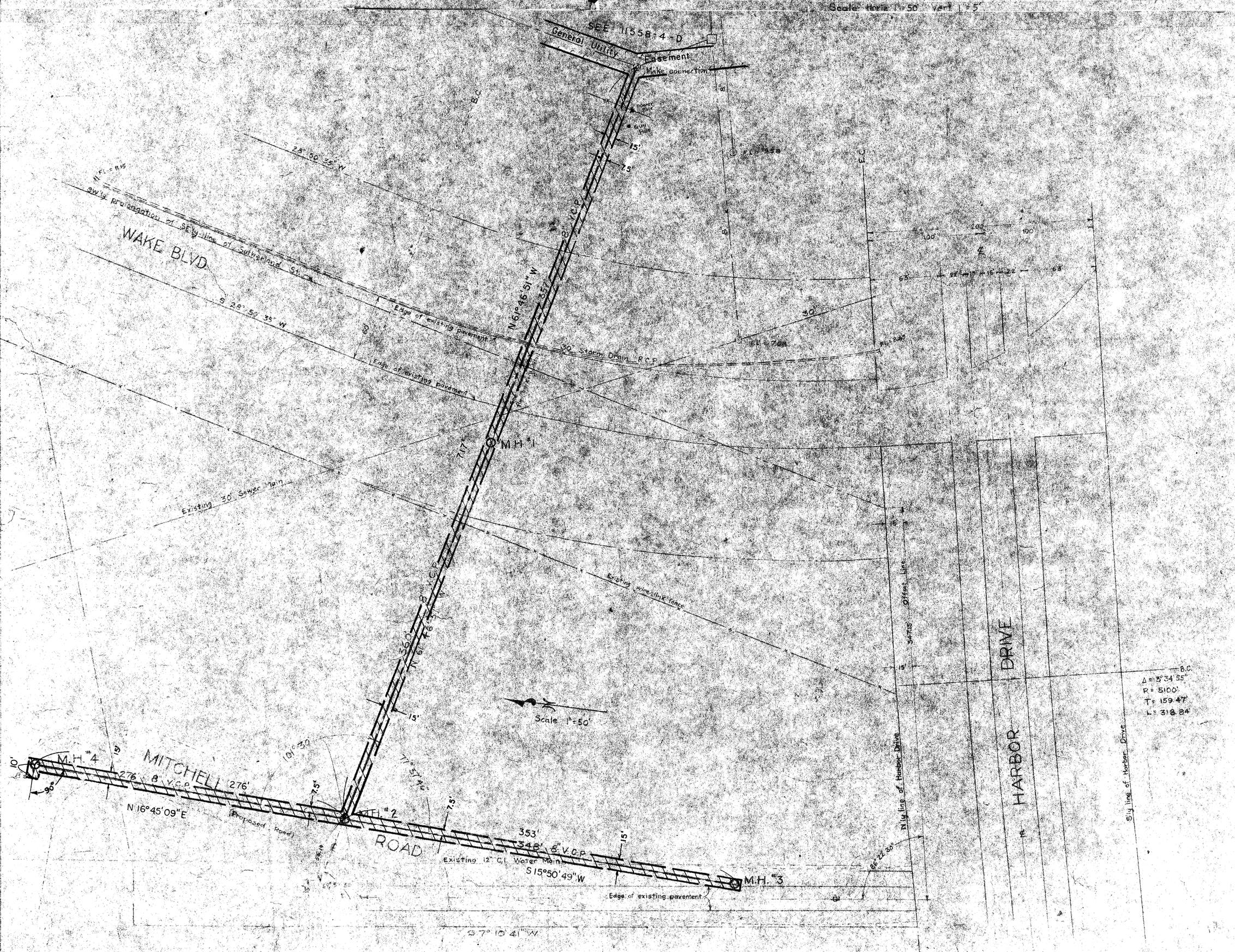
11557-2-D

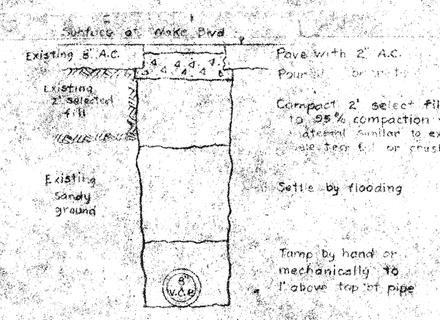
Ref. 981-D, Sht. 19



PROFILES OF SEWER

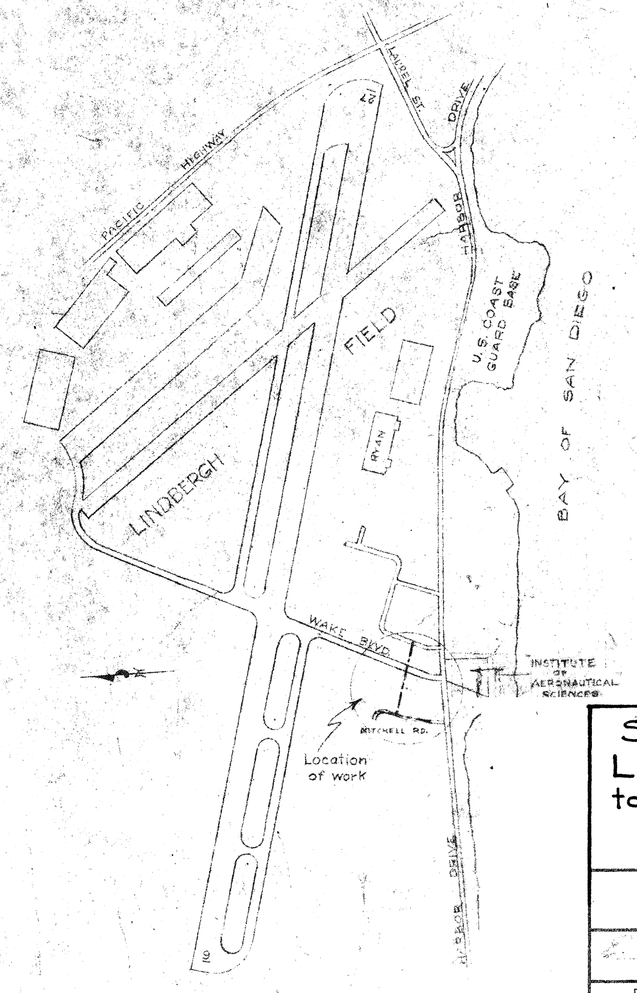
Scale: Horiz. 1"=50' Vert. 1"=5'





Cross section of trench crossing Wake Blvd.

Easement below M.H.T.L. shown hatched



PLOT PLAN

SHOWING LOCATION OF WORK

Scale 1" = 1000'

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3383
FILED JUN 28 1968
MICROFILM NO.
OFFICE OF THE CLERK

APPROVALS	
CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
R. E. Hinderlong UTILITIES DIRECTOR 6-24-68	J. H. Wellemeyer CHIEF ENGINEER
[illegible] INSPECTOR	ORIGINAL CONVEYANCE DOCUMENT NO. 11 FILED FEB. 13, 1963
ORIGINAL CONVEYANCE DOCUMENT NO. 65183 FILED FEB. 17, 1963	

SEWER ESMT. - Air freight area Lindbergh Field (E'ly of Wake Blvd to Mitchell Rd.) Below M.H.T.L.

TIDELANDS

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 3 OF 24 SHEETS

W.O. NO. 17430

CITY ENGINEER — DATE — DIVISION HEAD

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	[illegible]	[illegible]	6-24-68	

DESIGN ENGINEER

CONTROL CERTIFICATION

206-1709 LAMBERT COORDINATES

CONTRACTOR — DATE STARTED
INSPECTOR — DATE COMPLETED

11557-3 -D

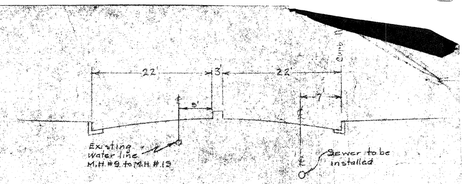
HARBOR No 17-D-93

See 11557-5-D

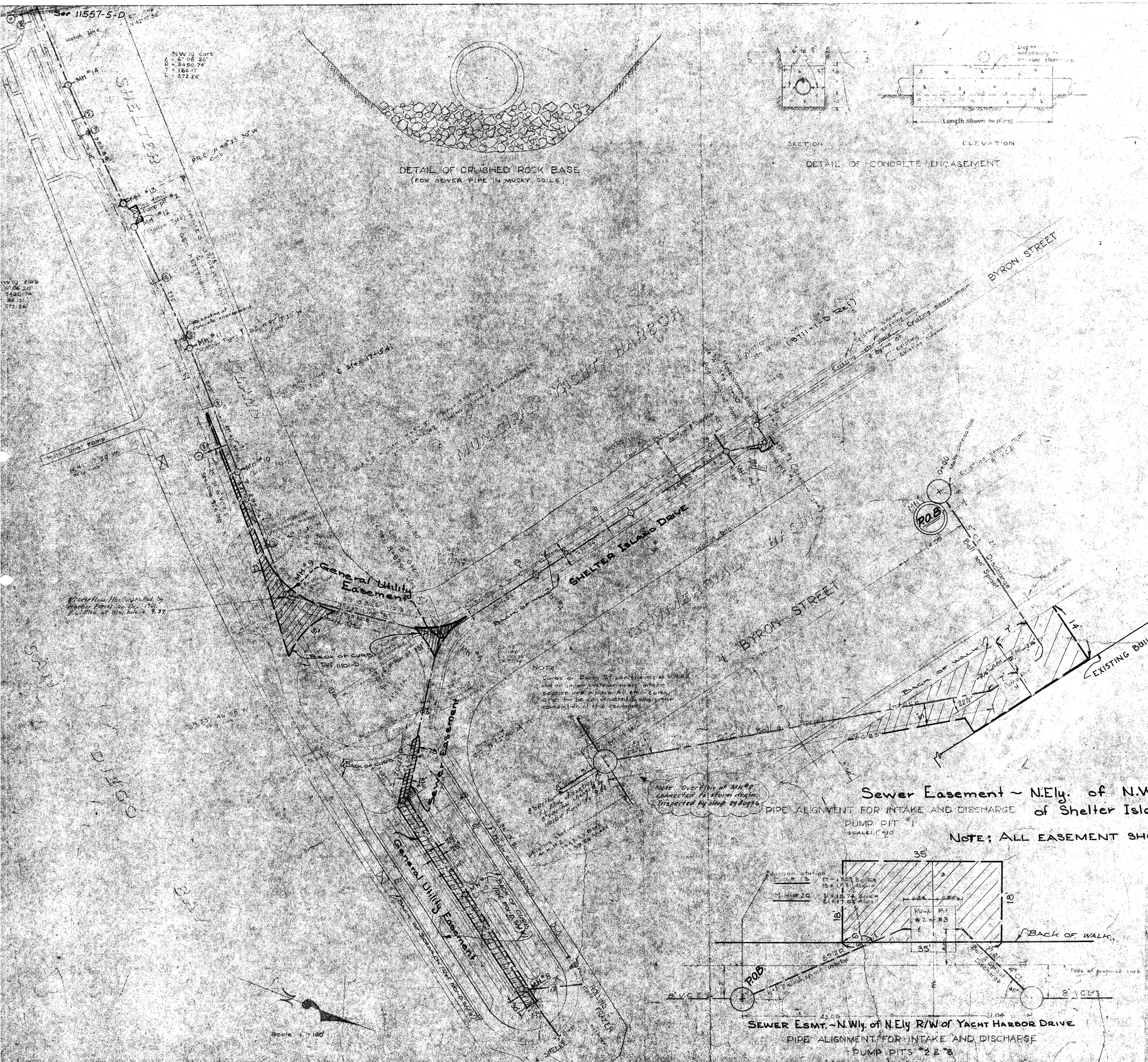
DETAIL OF CRUSHED ROCK BASE
(FOR SEWER PIPE IN MUCKY SOILS)

SECTION ELEVATION

DETAIL OF CONCRETE ENCASEMENT



TYPICAL CROSS-SECTION OF THE ROADWAY ON THE SWLY END OF SHELTER ISLAND, LOOKING SWLY. AFTER PROPOSED IMPROVEMENTS



PROFILE OF SEWER MAIN
LINE "B"
SCALE Horiz. 1"=100
Vert. 1"= 2'

PROFILE OF SEWER MAIN
LINE "A"
SCALE Horiz. 1"=100'
Vert. 1" = 2'

LINE "B", CONTINUED

NOTE: EASEMENTS SHOWN HATCHED.

REF: 9711-D

DETAIL OF SLOPE OF MANHOLE COVERS IN ROAD (MH "10-25")

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT No. 3383
FILED JUN 28 1968
MICROFILM NO. 31
OFFICE OF THE CLERK

SEWER EASEMENTS ON SHELTER ISLAND

TIDELANDS

CITY OF SAN DIEGO
ENGINEERING DEPARTMENT
SHEET 5 OF 24 SHEETS

W.O. NO. 17430

PLAN REVISION				
CHANGE	BY	DATE	APPROVAL	

E. F. Gabrielson 6/24/68
CITY ENGINEER DATE

OFFICE ENGINEER

SUPERVISOR

CHECKED J.P. 6/21

DESIGNED

WATER DEPT.	SEWERAGE
PLANNING DEPT.	DRAINAGE
ELECTRICAL	HIGHWAY
STRUCTURAL	GRADES
TRAFFIC	CONTROL DJ 6-24-68
INDEX 198-1697	

CONSTRUCTION RECORD
DATE STARTED — DATE COMPLETED
CONTR. — INSP.
FIELD BOOK

APPROVALS

CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
UTILITIES DIRECTOR	CHIEF ENGINEER
PUBLIC WORKS DIRECTOR	
ORIGINAL CONVEYANCE DOCUMENT NO. 65193 FILED 12-15-1961	ORIGINAL CONVEYANCE DOCUMENT NO. FILED

11557-5-D

HARBOR No 15-D-45 Sht 2

BM. 2.38 L&T 18'Left 33+13.04 - Conc. M.H.

MATCH MARK 36+100

36+10.37 M.H.No 6A

EL 5

Moss

GRASS

2-¾" Water Lines

Ticket

12 KV Ducts

Elec. Cables

6" C.I. Water

M.H. No 6

EQUATION 324+41.47 AHEAD = 333+59.41 BACK

12" C.I. Sewer

Ground Line

405.50'

379.40'

21" V.C.P @ 0.08%

INTERCEPT Exist'g 6" C.I. SEWER @ M.H. No 6

EL-4.05

EL-4.35

32 AHEAD

60" R.C.P. Drain Top EL-4.65

10" Water Line

12" Water Line

294+47.91 M.H. No 7 = 2+00 LAT. No 2

Length 8' North

EL-4.67

TRUNK & LAT. No 2 TO U.S. COAST GUARD

To Control Tower

2" Water Line

2" Tel. Duct

261+60.9 M.H. No 7B

291.82'

EL-4.90

219.72'

Length 8' North

21" V.C.P @ 0.08%

OLIVE ST. OUTFALL

248+39.37 M.H. No 8A

223.55'

Length 8' North

EL-5.08

EL 5

0

-5

36 35 34 33 32 30 28 26 24

BM. 2.91 Chisld Cross West Side M.H. Ring 16'± Rt. Sta. 30±45

EL 5

0

-5

EL-4.57

Exist'g 15" V.C.P

15" V.C.P @ 0.20%

15" V.C.P @ 0.23%

6+13.15

-4.77

-6.97

-5.15

6.13 TRUNK

6.13 LAT. No 3

MAKE CONNECTION TO EXISTING 15" V.C. SEWER

EXISTING OLIVE ST. OUTFALL SEWER

LATERAL No 3.

41+24.60 M.H. No 9A

Ground Line

424.60'

188.55'

0+19.98 M.H. No 9B

10+39.85 TRUNK

6

4

2

0

-5

BM. EL. 10.72 Top Fire Hyd S.E. Cor LAUREL ST & PACIFIC HWY.

BM. EL. 7.94 Brass Plug N.W. " " " "

BM. EL. 3.48 Top N.E. Corner Headwall 20' Left Sta. 22+50

EL 5

0

-5

24+36.37 M.H. No 8A

22+14.92 M.H. No 8

Ground Line

Oil Surface

A.C. Paving

A.C. Pavo

Electrolier

Electric Duct

219.72'

223.55'

380.42'

EL-5

EL-5.08

21" V.C.P @ 0.08%

EL-4.42 LATERAL No 4

EL-5.28 TRUNK

21" V.C.P @ 0.076%

BM. EL. 2.85 L&T. 74.90' Left Sta. 17+18.50 El. c Runway

18+32.40 M.H. No 8B

14+49.70 M.H. No 9

Elec. Cable

CATCH BASIN

EXIST'G 48" STORM DRAIN 36'270

EXISTING 24" CAST IRON PIPE

21" V.C.P

EL-5.55

EL-5.85

MAKE CONNECTION TO EXISTING 24" C.I. PIPE

15'5.78

5.78

5.78

EL-4.57

EXISTING OLIVE ST. OUTFALL Manhole EL-6.97 : Sta. 7+13.15

100'-15" V.C.P. SEWER BY OTHERS TO EXIST'G M.H. OLIVE ST. OUTFALL

6+13.15 MAKE CONNECTION TO EXISTING 15" V.C. SEWER

EL-4.77

15'

7.5'

SEE AT SUMP

4+24.60 M.H. No 9A

LATERAL No 3

24" V.C.P

M.H. No 9B

Concrete Cover Per Detail

10+39.85 M.H. No 9B

Conc. Cover See Detail

Ground Line

Oil Surface

A.C. Paving

R.C.P. STORM DRAIN

349.85'

350'

LATERAL No 3 EL-6.13

EL-6.13

LATERAL No 5 EL-5.91

Length 8' North

EL-6.41

740 Ft. Extra Strength 24" V.C. Pipe Required

1438.38'

24" V.C.P @ 0.08%

501.80'

LATERAL No 7 EL-6.48

EL-6.81

M.H. No 10 7+48.85

24+48.85 M.H. No 10A

A.C. Paving

Conc. Cover See Detail

A.C. Paving

Conc. Base

A.C. Paving EL. 9.62

Ground Line + Oil Surface

West Property Line, Conc. Sidewalk

Conc. Curb & Gutter

Conc. Sidewalk

East Property Line

EL 10

5

0

-5

EXISTING SEWER INTERCEPTOR

011132 M.H. No 11

Storm Drain 24" C.M.P.

Water Lines

Sewer Lines

Electric Lines

Tel. Cable

Tel. Duct

Curb Inlet

Cast Iron Frame

236.73'

EL-7.20

Flow Line = -8.12 Exist'g 51" Sr.

Bell at 24" on Cone Fitting Concreted in 45° W.S.P. Casing

Sewer Easement shown hatched below M.H.T.L.

Scale 1" = 80'

N

FACTORY BLDG.

RYAN AERONAUTICAL COMPANY

M.H. No 6A

E.C.I. Sewer

Abandoned 24" C.I. Sewer

Abandoned 12" C.I. Sewer

Tel. Ducts

Water Mains

Gas Mains

Recreation, Storage etc.

MATCH LINE

SEE Sh. 11557-7-D

EL 5

EL-4.03

EL-10.97

Moss

Asphalt Concrete Paving

Concrete Curb & Gutter

Concrete Walk

Interwoven Fence

Light Frame Towers

Wire Fence

Concrete Paving

Dividing Lane

Existing 8" Sewer To Be Abandoned

HARBOR DRIVE

Concrete Paving

Concrete Curb

Wooden Wire Fence

Tel. Duct

12 KV Ducts

Tel. Duct

Elec. Cable

Elec. Conduit

Water Line

Gas Line

Concrete Curb

Concrete Walk

Concrete Fence

Wire Fence

South Property Line 7 Wooden Wire Fences

Northwest Corner U.S. COAST GUARD

445' to Sewer M.H. No 7A EL-6.31

MATCH MARK SEE A Above

MATCH MARK SEE BELOW

294+47.91 M.H. No 7 = 2+00 Lat. No 2

Length 8'-0" 4.7%

EL-4.67

EL-10.97

261+60.9 M.H. No 7B

EL-4.90

EL-10.90

Length 8'-0" 4.7%

M.H. No 7A

EL-6.31

EL-12.31

LATERAL No 2 2+70 12.1

20' M.H. No 7A

LENGTH 8'-0" 4.7%

EL-6.70

EL-12.70

NOT TO SCALE

90°

22'

15'

7.5'

HARBOR DR.

N.L. HARBOR DR.

RUNWAY 31

MAKE CONNECTION TO EXISTING 16" C.I. PIPE

35° TO M.H. 9A

24" V.C.P

M.H. No 9B

Concrete Cover Per Detail

349.85'

LATERAL No 3

EL-6.13

EL-6.13

M.H. No 9B

10+39.85

Concrete Cover M.H. No 10

7+48.85

24" V.C.P

740 Ft. Extra Strength 24" V.C. Pipe Required

1438.38'

501.80'

LATERAL No 7

EL-6.48

EL-6.81

FOR ESMT SEE 11557-22-D

12 KV Ducts

Tel Ducts

PROPOSED 30" R.C.P. STORM DRAIN

EXISTING M.H. No 8

EXISTING 24" R.C.P. STORM DRAIN

EXISTING M.H. No 8A

EXISTING 24" R.C.P. STORM DRAIN

EXISTING M.H. No 8B

EXISTING 24" R.C.P. STORM DRAIN

EXISTING M.H. No 9

EXISTING 24" R.C.P. STORM DRAIN

EXISTING M.H. No 10

EXISTING 24" R.C.P. STORM DRAIN

EXISTING M.H. No 11

EXISTING 24" R.C.P. STORM DRAIN

EXISTING M.H. No 12

EXISTING 24" R.C.P. STORM DRAIN

EXISTING M.H. No

B.M. EL. 5.69 on Sly Rim of Manhole
10' Rt. 57+95

M.H. No 4A
EL-0.75
EL-0.95

224.28'

8" V.C.P @ 0.16%

Elec. Conduits

EL-2.55 TRUNK & LAT. No 1

Con. Paving HARBOR DRIVE Con. Paving

M.H. No 4
48+10.19

LATERAL No. 1

16" C.I. WATER LINE

MAKE CONNECTION TO EXISTING SEWER @

M.H. No 5
40+39.27

EL+5

Ground Line

129' ±

22.5% of 8"

EXISTING 8" SEWER

MAKE CONNECTION TO EXIST'G SEWER
LAT. "6" EL-3.21

EL-3.71-TRUNK

LATERAL No 6

B.M. EL. 5.30 Sly Top R.R. Rail of 3 Rails
Around Fire Hyd Left 48+88

B.M. EL. 3.21 Brass Plug in North Curb HARBOR DRIVE
71' Left Sta. 39+64.55 & 200' No. of Mon. on S.L. HARBOR DR.

60+62.12 M.H. No 1

EL. 10

"Officers Quarters
Elev. Floor = 6.21

5

0

-5

EL+0.57 8" V.C.P @ 0.40 %

286.58'

Ex. M.H. 10 Rt.
FL. 0.16

EL+0.58

12" V.C.P @ 0.20 %

261.01'

57+95.54 M.H. No 2

EL. 5.73
Rim & Rt. Existing M.H.

Building

Ground Line

Grade of Existing Sewer

M.H. No 3
55+34.53

EL-1.10

363.75'

M.H. No 3A
51+70.78

EL-1.83

12" V.C.P @ 0.20 %

360.35'

4" C.I. →

8" C.I. →

M.H. No 4A
48+10.43

EL-2.55

12" V.C.P @ 0.20 %

A.C. Paving

Fence, Spec. Curb

386.10

M.H. No 5A
44+24.27

EL-3.13

15" V.C.P @ 0.15 %

385.00'

M.H. No 5
40+39.27

EL-3.71

15" V.C.P @ 0.15 %

Mass

Con. Walk

Ground Line

Mass

418.40'

M.H. No 6A
36+20.85

EL-4.05

21" V.C.P @ 0.08 %

373.40'

EL. 10

5

0

-5

MATCH MARK

60' R. of Drain

Points on Extension to Southwest of long Tangent on East Edge of Paving along Easterly boundary of Municipal Airport and Camp Sahara

Existing M.H. Rim 4.61
FL. North 2.96
FL. South 3.16
FL. East 1.96

Existing Boundary U.S. Marine Corps Base

Existing 8" Sewer

To Connect Existing Sewer from Building to Manhole

Elec. Duct

Barracks

Officers

Existing Manhole
FL. 0.16

Manhole No 2
57+95.54 A.L. 17°00'35"
10' South of Existing M.H.
To Connect to Existing M.H.
Invert SE Pipe at FL. Grade

10"-8" 45°

8" V.C.P

60' 286.58' 1.95%

CAMP SAHARA sewage to be intercepted here.

CAMP SAHARA

Manhole No 1
60+62.12
23'+ 8" 45°

Existing 8" Sewer

Concrete Paving

Woven Wire Fence

15' North Right of Way Line of Harbor Drive

HARBOR DRIVE

Concrete Paving

Dividing Lane

FL. M.H. -9.41

Match Line

Sewer Easement shown hatched

Scale 1" = 80'

Barracks

CAMP SAHARA

Existing 8" V.C. Sewer

Manhole No 2
57+95.54 A.L. 17°00'35"
10' South of Existing M.H.
To Connect to Existing M.H.

Existing Manhole
FL. 0.16

261.01'

8" V.C.P

Existing M.H. No 3A
55+34.53
A: 4°44'30" W

8" V. Gas Main

Woven Wire Fence

16" C.I. Water Main

15' North Right of Way Line of Harbor Drive

Dividing Lane

Match Line

724.10'

12" V.C.P

Existing M.H. No 3A
51+70.78

Barracks

Officers

Administration

CAMP

CON AIR

Manhole No 4A
48+10.43
A: 2°28'40"

Existing 8" Sewer

Make Connection to Existing Sewer

Intercept Camp Con Air Sewage here.

Fence enclosing Latrines

Fence Corners

Existing M.H. No 4A
FL. 0.44

RESOLUTION 189562 2-14-67

EXISTING EASEMENT PER

Nly R/W LINE

Sly R/W LINE

LATERAL No 1

Existing M.H. No 4A

Existing 8" Sewer

Make Connection to Existing Sewer

FRONTIER ENTERPRISES

Hangar

Concrete Paving

Electric Cable, 1 Gas Main and 10" C.I. Water Main

Telephone Ducts

200'

54'

92'

54'

PROJECTED SUB ASSEMBLY

PRESENT FACTORY

COMPANY

AERONAUTICAL

Existing 8" Sewer

EXISTING 8" SEWER

MAKE CONNECTION TO EXISTING SEWER

RYAN

M.H. No 5A
44+24.27

771.16'

15" V.C.P

New Office

2701.51

2701.51

21" V.C.P

379.40'

M.H. No 6A
36+20.85

Mass

Con. Walk

Gas Line, 2" Gas Main

Telephone Conduit

Electric Conduit, 12 KV

16" C.I. Water Main

Property Line

Ed Hub EC

Sly Boundary of Harbor Drive

R. of Drain

MATCH LINE

SEE SHEET 1 & 7 & 6

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3383
FILED JUN 28 1968
MICROFILM NO. 31
OFFICE OF THE CLERK

LEGEND:
Existing Improvements
Sewer Lines
Sewer Manholes
Water Lines
Property Lines
Gas Lines
Electrical
Telephone
Storm Drain
Fence
Construction to be done:
Manhole

SEWER EASEMENT – Nly. of Laurel St. and Harbor Dr.

CITY OF SAN DIEGO
ENGINEERING DEPARTMENT

SHEET 7 OF 24 SHEETS

W.O. No. 17430

PLAN REVISION			
CHANGE	BY	DATE	APPROVAL

CONSTRUCTION RECORD

DATE STARTED — DATE COMPLETED
CONTR — INSP.
FIELD BOOK

CITY ENGINEER — DATE

WATER DEPT. — SEWERAGE
PLANNING DEPT. — DRAINAGE
ELECTRICAL — HIGHWAY
STRUCTURAL — GRADES
TRAFFIC — CONTROL
COORD INDEX 209-1713

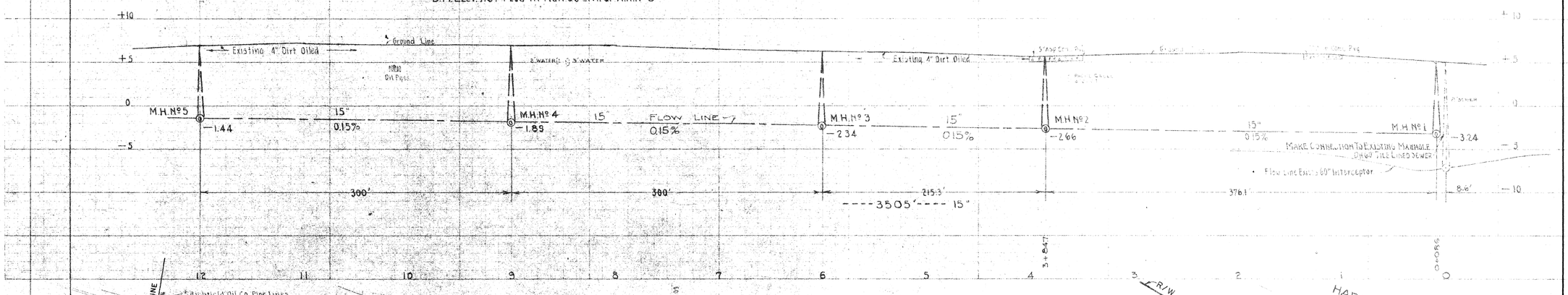
OFFICE ENGINEER
SUPERVISOR
CHECKED
DESIGNED

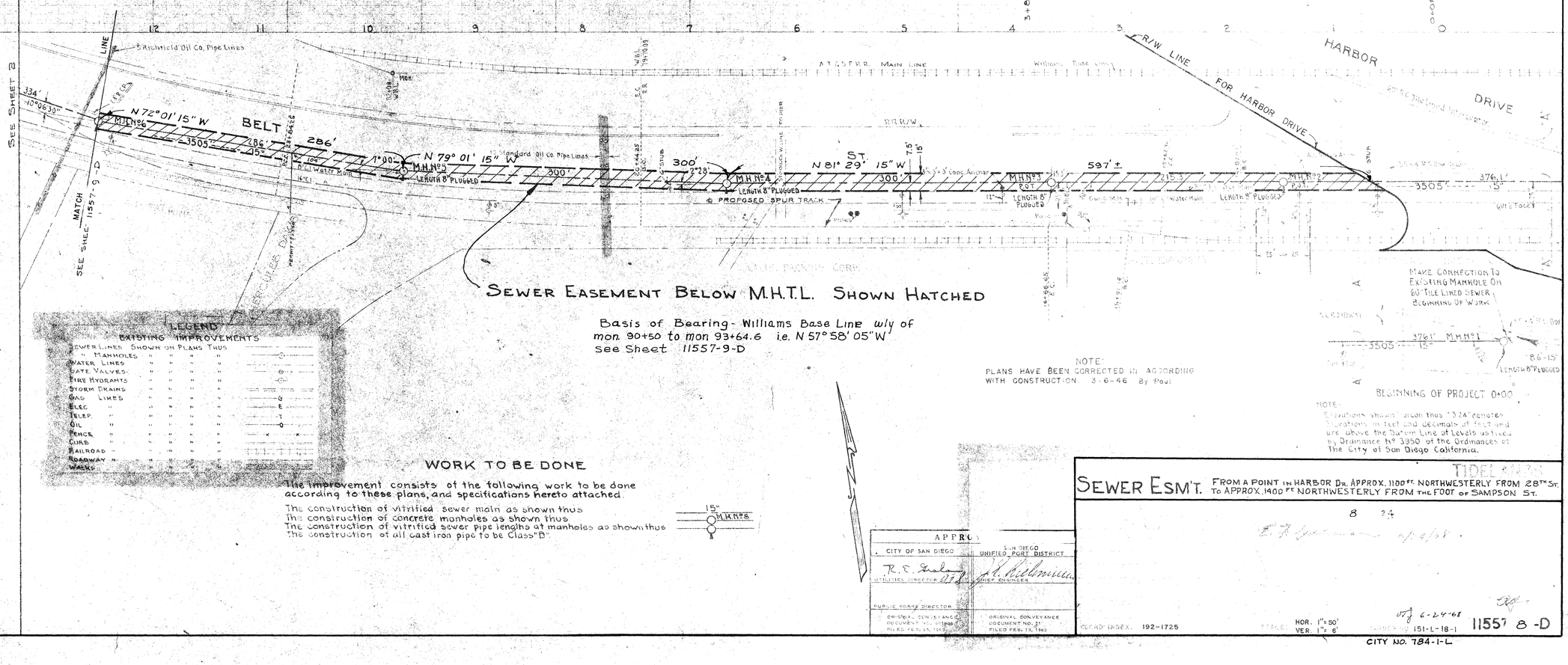
11557-7-D

HARBOR No 17-D-23
1054-D

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3383
FILED JUN 28 1968
MICROFILM NO. 31
OFFICE OF THE CLERK

B.M. ELEV. 7.81 PLUG IN MON 90'± RT. OF M.H. Nº 5





SEWER EASEMENT BELOW M.H.T.L. SHOWN HATCHED

Basis of Bearing - Williams Base Line w'ly of mon. 90+50 to mon. 93+64.6 i.e. N 57° 58' 05" W
See Sheet 11557-9-D

NOTE:
PLANS HAVE BEEN CORRECTED IN ACCORDING WITH CONSTRUCTION 3-6-46 By Paul

NOTE:
Elevations shown thus "3.24" denote Elevations in feet and decimals of feet and are above the Datum Line of Levels adopted by Ordinance Nº 3350 of the Ordinances of The City of San Diego California.

LEGEND

EXISTING IMPROVEMENTS

Sewer Lines Shown on Plans Thus	
" Manholes " " "	○
Water Lines " " "	W
Gate Valves " " "	G
Fire Hydrants " " "	⊙
Storm Drains " " "	
Gas Lines " " "	G
Elec. " " "	E
Telep. " " "	T
Oil " " "	O
Fence " " "	×
Curb " " "	
Railroad " " "	
Roadway " " "	
Walks " " "	

WORK TO BE DONE

The improvement consists of the following work to be done according to these plans, and specifications hereto attached.

The construction of vitrified sewer main as shown thus
The construction of concrete manholes as shown thus
The construction of vitrified sewer pipe lengths at manholes as shown thus
The construction of all cast iron pipe to be Class "B"

15" M.H. Nº 6

APPROVED

CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
R. C. Seals, UTILITIES DIRECTOR	A. Wellmann, PORT ENGINEER
PUBLIC WORKS DIRECTOR	
ORIGINAL CONVEYANCE DOCUMENT NO. 61 FILED FEB. 13, 1963	ORIGINAL CONVEYANCE DOCUMENT NO. 21 FILED FEB. 13, 1963

TIDELANDS

SEWER ESM'T. FROM A POINT IN HARBOR DR. APPROX. 1100 FT. NORTHWESTERLY FROM 28TH ST. TO APPROX. 1400 FT NORTHWESTERLY FROM THE FOOT OF SAMPSON ST.

8 34

O.K. 6-24-68

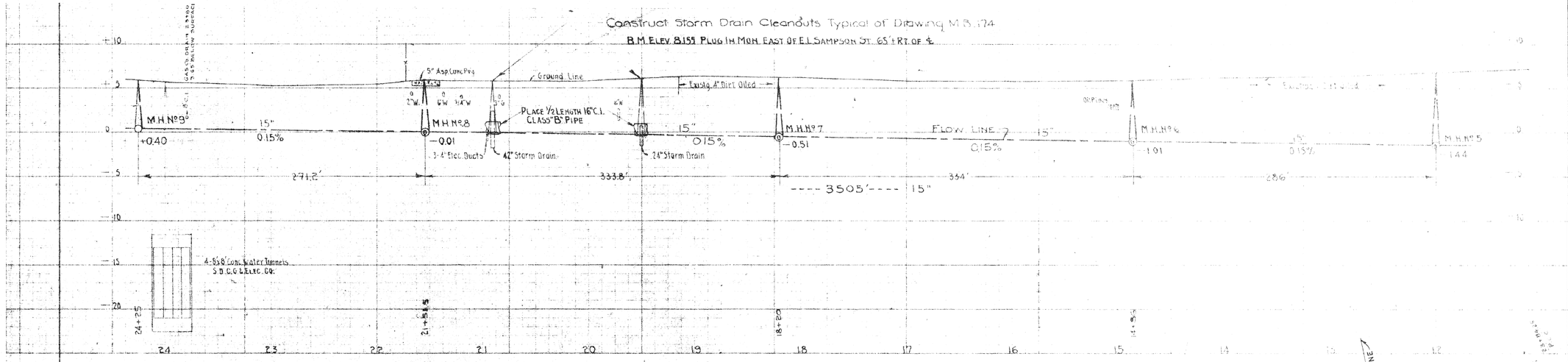
OLD R/W INDEX 192-1725 SCALES HOR. 1"=50' VER. 1"= 6' TRACING NO. 151-L-18-1

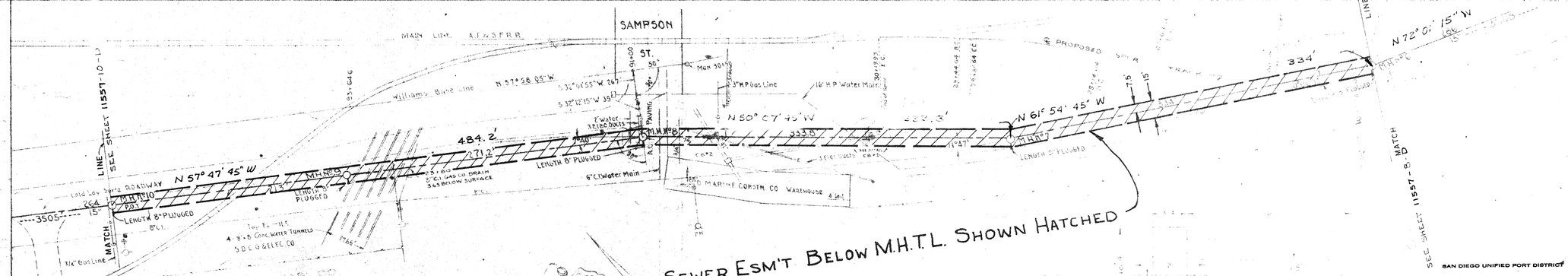
11557 8-D

CITY NO. 784-1-L

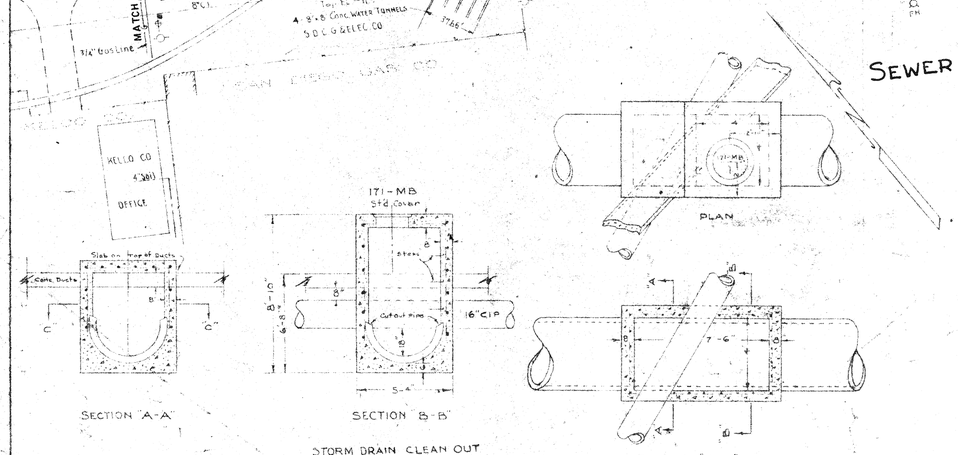
Coastruct Storm Drain Cleanouts Typical of Drawing M.B. 174

B.M. Elev. 8.159 Plug in Mon. East of E.L. Sampson St. 65' Rt. of ℄





SEWER ESM'T BELOW M.H.T.L. SHOWN HATCHED



STORM DRAIN CLEAN OUT
BELT ST. EAST OF SAMPSON
SCALE 3/4" = 1'-0"

Ref Dwgs
City - 784-2-L
Harbor - 151-L-18-2

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3383
FILED JUN 28 1968
MICROFILM NO. 31
OFFICE OF THE CLERK

APPROVALS

CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
R. C. [illegible]	[illegible]

TIDELANDS

SEWER ESM'T. FROM A POINT IN HARBOR DR. APPROX. 1100 FT. NORTHWESTERLY FROM 28TH ST. TO APPROX. 1400 FT. NORTHWESTERLY FROM THE FOOT OF SAMPSON ST.

9 24 17430

192 - 1725

HOR. 1"=50'
VER. 1"= 6'

July 6-1968

151-L-18-2 11557 9-D

B.M. ELEV 8.155 PLUG IN MOH EAST OF E.L. SAMPSON ST
65'± RT. OF SEWER ℄

+10 +5 0 −5 −10

Ground Line · 2"W's R.R. Spurs · R.R. Spur · 3" Cold Lay P'vg · 3" Cold Lay P'vg · R.R. Spur · Ground Line

M.H. Nº 13 · 2.02 · 15" · 0.15% · 305' · 35+06 END

M.H. Nº 12 · 1.56 · Flow Line · 15" · 0.15% · 298' · 3505' — 15"

M.H. Nº 11 · 1.11 · 15" · 0.15% · 264' · 23+02

M.H. Nº 10 · 0.72 · 15" · 0.15% · 242' · 26+37

M.H. Nº 9 · 0.40 · 24+25

35 34 33 32 31 30 29 28 27 26 25 24

A T & S F R R

3°36' TO BC

S 58° 30' TO BC

SUNHARBOR OFFICE

END OF PROJECT

S 55° 04' 45" W BASE LINE

93 FOO MON

90' R. OF W. LINE

30' ROADWAY PROPOSED

S 57° 58' 05" W

N 57° 59' 05" W

WILLIAMS BASE LINE

TIDE LINE

264'

M.H. Nº 10

LENGTH 8" PLUGGED

N 57° 47' 45" W

Cold Lay Surfaced Roadways

M.H. Nº 11

1,218.00'

154.33'

LENGTH 8" PLUGGED

4" Water Line

M.H.

3" Gas Line

4" Oil Line

R.R. SPUR

2" Water

R.R. SPURS

100+50 MSM

N 53° 22' 55" W

M.H. Nº 13

305'

15"

35.05'

LENGTH 8" PLUGGED

M.H. Nº 12

P.O.T.

143.61'

7.98'

7.5'

15'

SEE SHEET 11557-9-D MATCH LINE

Sewer line bearings based on Williams Base Line bet mon 93+00 ℄ 100+50 ie S 57° 58' 05" W

SEWER ESM'T BELOW M.H.T.L. SHOWN HATCHED

REF: CITY. 784-3-L

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT No. 3383
FILED JUN 28 1968
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OFFICE OF THE CLERK

APPROVALS

CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
[signature]	[signature]
DOCUMENT NO. 65593 FILED FEB 15, 1968	DOCUMENT NO. 21 FILED FEB. 13, 1968

TIDELANDS

SEWER ESM'T. FROM A POINT IN HARBOR DR. APPROX. 1100 FT NORTHWESTERLY FROM 28TH ST TO APPROX. 1400 FT NORTHWESTERLY FROM THE FOOT OF SAMPSON ST

10 24 WO Nº 17430

E.R. Eastman 6/24/68

COORD. INDEX 192-1723 · SCALE HOR. 1"=50' VER. 1"=6' · HARBOR Nº 151-L-18 -3 · OFJ 6-24-68 · 11557-10-D

5th Ave

DRIVE

MH 1+29

MH 2+79

MH 1+28

50 M.G.D. Dia. Type A interceptor sewer

State Hwy E/W

6"

Sewer Easement

10' wide

350.75'

Line A

12.47

7.5

24.42'
To B.C.
Sta. 211+92.11
Δ=127°46'
R=30'
T=61.77
L=66.89

101.16'

Δ=52°15'
R=100'
T=49.04
L=91.19

184.04'

41.88'

101.16'

Δ=51°51'
R=100.23'
T=50.42

MH 1+27

Stub out 3 of 8" V.C.P.S. Slope = 0.004. Plug end

8th Ave

7th Ave

HARBOR

8" Storm

MILL

8" Storm

4" Sanitary

8" Storm

Existing Sewer

10" V.C.P.

Line A

241.26'

Easement and Drain

STREET

Dwg. 9-D-10 Harbor Dept.

Southerly line 7th Street as shown on

8" Storm

Stub out 4" V.C.P.S. is not connected

Line B

MH 2+30

7TH

N 72°30' E

55'

30'

Line B

General Utility

Sewer Easement

15'

7.5

350.25'

Easement and Drain

STREET

90.2'

Line C

10" V.C.P.

Line C

10" V.C.P.

Southerly line 8th Street as shown on Dwg. 9-D-10 Harbor Dept.

Stub out 3' of 8" V.C.P.S. Slope = 0.004 Plug end

30" R.C.P. storm (Dedicated)

4" C.I. Sanitary

Telephone Conduits

7th St. Sanitary Connection & Manhole to be Plugged

4" C.I. End

8" R.C.P. Storm

S.D. HOCKEY CLUB

Easement below M.H.T.L. shown hatched.

Dimensions marked * are shown on Dwg. 11556-22-D (S-D Harbor Dept.)

ROADWAY TO 10th ST. PIER

AMERICAN PRODUCTS CO.

WAREHOUSE

WAREHOUSE

EVENSON

CAMPBELL MACHINE CO.

OFFICE

GARAGE

GARAGE

Location of future pump house.

4" Sanitary

4" Sanitary

4" Sanitary

4" Sanitary

4" Sanitary

Line D

Stub end Plug end

8" Water

16" Water

future 8" line

F.H.

F.H.

P.P.

P.P.

P.P.

Harbor Street Base Line S 50°50' E

HARBOR STREET

U.S. BULKHEAD LINE S 50°-50' E

SAN DIEGO BAY

N

SCALE 1" = 50'

May be depressed to provide clearance

2" Min.

See profile for length

SECTION

ELEVATION

DETAIL OF ENCASEMENT

SAN DIEGO UNIFIED PORT DISTRICT
3383
DOCUMENT NO.
FILED JUN 28 1968
MICROFILM NO. 21
OFFICE OF THE CLERK

SEWER ESMT. – in 7th & 8th St's extended S'ly of HARBOR DR.

TIDELANDS

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 11 OF 24 SHEETS

W.O. NO. 17430

APPROVALS

CITY OF SAN DIEGO — SAN DIEGO UNIFIED PORT DISTRICT

CITY ENGINEER — DATE — DIVISION HEAD

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	J.A. Hall	O.K.	6-24-68	

DESIGN ENGINEER

CONTROL CERTIFICATION

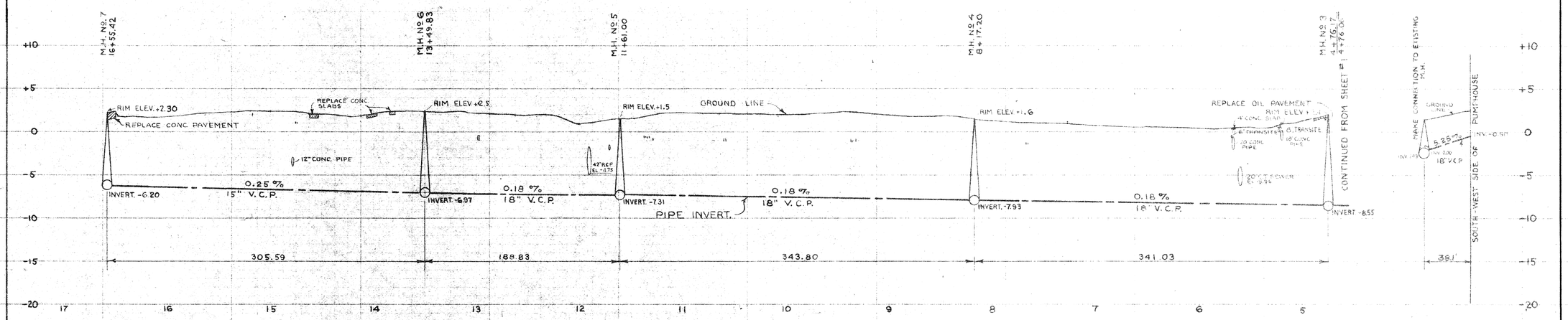
196-1719
LAMBERT COORDINATES

CONTRACTOR — DATE STARTED

INSPECTOR — DATE COMPLETED

11557-11-D

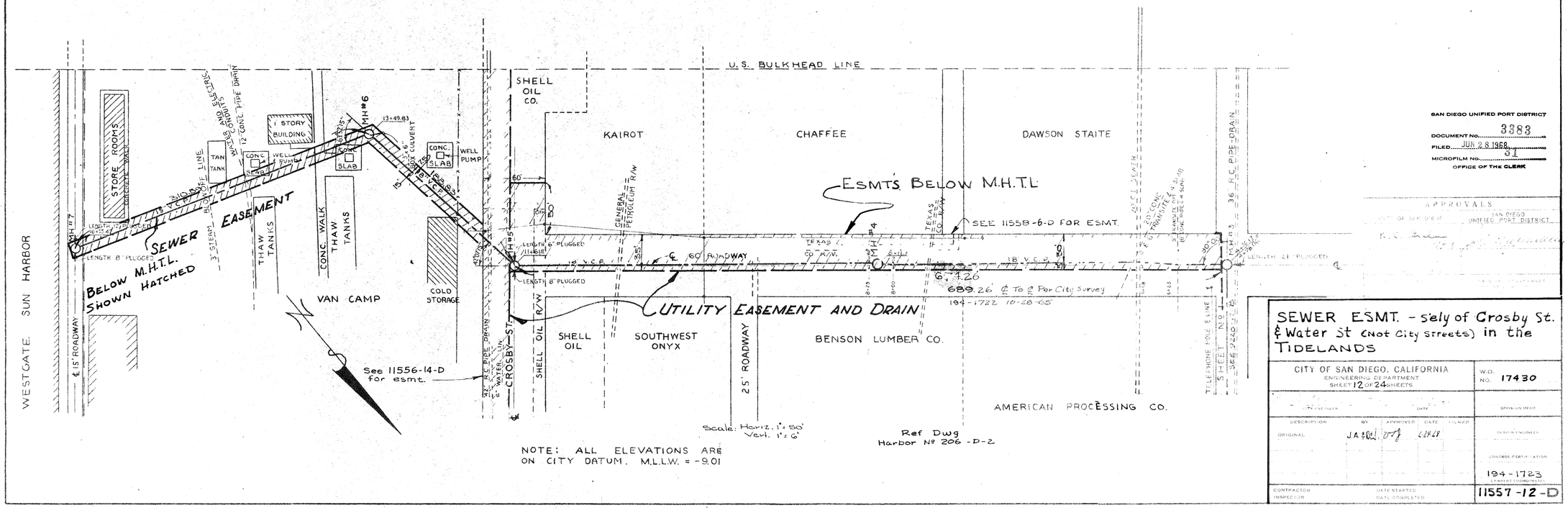
HARBOR NO 9-D-10



GRAVITY SECTION

OVERFLOW

(SEE SHEET # 1)



NOTE: ALL ELEVATIONS ARE ON CITY DATUM. M.L.L.W. = -9.01

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT No. 3383
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MICROFILM NO. 31
OFFICE OF THE CLERK

APPROVALS
CITY OF SAN DIEGO
SAN DIEGO UNIFIED PORT DISTRICT

SEWER ESMT. - S'ely of Crosby St. & Water St (Not City Streets) in the TIDELANDS

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 12 OF 24 SHEETS

W.O. NO. 17430

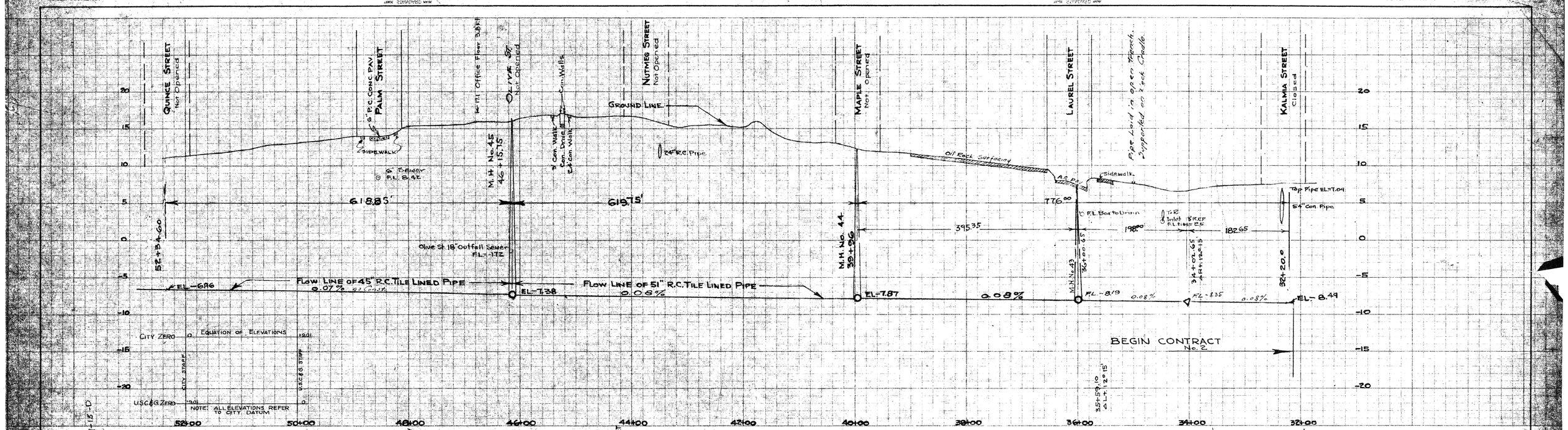
DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	J.A.W.	D.T.J.	6-14-68	

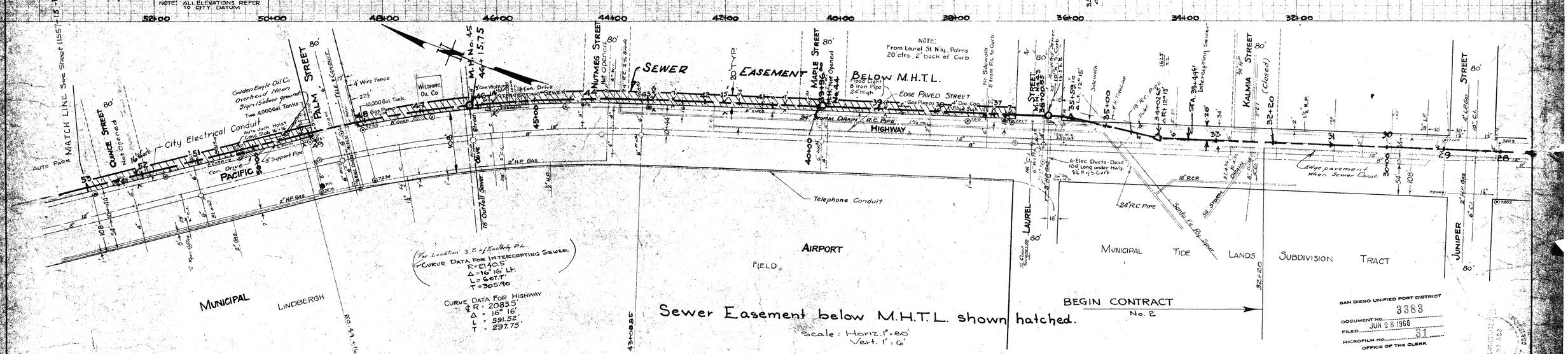
194-1723
CONTROL CERTIFICATION

11557-12-D

EXTRA WORK ORDER Nº 2

INSTALL 10-6" V.C. WYE
6" V.C. TEE
6" V.C. PLUG
6" V.C. STUB
6" V.C. ELBOW
6" V.C. 45° BEND
6" V.C. 22½° BEND
6" V.C. 11¼° BEND
6" V.C. 5° BEND
6" V.C. 2½° BEND
6" V.C. 1° BEND
6" V.C. 90° BEND
6" V.C. 60° BEND
6" V.C. 30° BEND
6" V.C. 15° BEND
6" V.C. 7½° BEND
6" V.C. 3° BEND
6" V.C. 1½° BEND
6" V.C. 0° BEND
6" V.C. 0° BEND
6" V.C. 0





SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3383
FILED JUN 28 1968
MICROFILM NO. 31
OFFICE OF THE CLERK

SEWER EASEMENT— TIDELANDS
Between Laurel and Bean St., below M.H.T.L.

CITY OF SAN DIEGO
ENGINEERING DEPARTMENT

SHEET 14 OF 24 SHEETS

W.O. NO. 17430

PLAN REVISION			
CHANGE	BY	DATE	APPROVAL

CONSTRUCTION RECORD

DATE STARTED ____ DATE COMPLETED ____

CONTR. ____ INSP. ____

COORD. INDEX: 206-1715

E. F. Bashore — 6/11/68
CITY ENGINEER — DATE

WATER DEPT.	SEWERAGE
PLANNING DEPT.	DRAINAGE
ELECTRICAL	HIGHWAY
STRUCTURAL	GRADES
TRAFFIC	CONTROL

SCALE: HORIZ. 1" = 80' VERT. 1" = 6'

OFFICE ENGINEER ____
SUPERVISOR ____
CHECKED ____
DESIGNED J.D. 4-67

11557-14-D

APPROVALS

CITY OF SAN DIEGO
T. E. Stolan
UTILITIES DIRECTOR

SAN DIEGO UNIFIED PORT DISTRICT
J. A. Wiedemann
CHIEF ENGINEER

PUBLIC WORKS DIRECTOR

ORIGINAL CONVEYANCE DOCUMENT NO. OR FILED MAP NO. ____

ORIGINAL CONVEYANCE DOCUMENT NO. OR FILED MAP NO. ____

HARBOR No
CITY No 568-D, sht. 5, of 20

SEWER EASEMENT —
Between Laurel and Bean St., below M.H.T.L.

Sewer Easement below M.H.T.L. shown hatched.

EQUATION ST. LINE 74+43.81 = 74+29.84

A.C. Pav. & Oil Surfacing

Oil Surfacing

Top Elev. 4.05

24" Cl. I Water Main

Bottom Valve Chamber 8.5' Lt. Fe 368

R.C. 54" Storm Drain Pipe

M.H. No. 49

694.54'

-4.54

0.10%

M.H. No. 48 67+55.30

EL. -5.24

THORN STREET Not Opened

SASSAFRAS STREET

SPRUCE STREET Not Opened

Pipe Laid in Open Trench Supported on Rock Cradle

GROUND LINE

Con. Pav't

0.6' Sewer

675.30'

60+80.00

172.90'

M.H. No. 47 59+08.1

322.0'

EL. -6.48

FLOW LINE OF 45" R.C. TILE LINED PIPE

EL. -6.29

REDWOOD STREET Not Opened

M.H. No. 46 55+86

351.40'

QUINCE STREET Not Opened

52+34.60

(618.85')

EL. -6.96

.07% due to Error Const.

CITY ZERO 0 EQUATION OF ELEVATIONS +9.01

CITY STAFF

U.S.C. & G. ZERO 9.01 NOTE: ALL ELEVATIONS REFER TO CITY DATUM. U.S.C. & G. STAFF 0

73+00 72+00 70+00 68+00 66+00 64+00 62+00 60+00 58+00 56+00 54+00 52+00

Mobile Gas Sta.

6 Elec. Ducts 2-12 K.V.

End of Cable Fence

MATCH LINE SEE SHEET 11557-16

(U.P.R.R. 27) Not Opened

AIR VALVE M.H.

Beginning 1-5' Cable Fence STA. 69+65

Pipe Wide

Elec. Conduit

Elec. Handhole

Curve Revised F.B. 1625 & Sewer R = 1957.75' Δ = 9°24'30" T = 161.10' L = 321.48'

Curve Data for ℄ Sewer R = 2500' Δ = 6°13'20" Lt. L = 271.51' T = 135.65'

℄ Sewer R = 1885.13' Δ = 8°2'30" L = 176.33' T = 88.33'

B.C. Lt. 70+72.55

Curve Data for Highway ℄ R = 3569' Δ = 24°47'30" L = 1555.98' T = 790.36'

MUNICIPAL

Pacific

MUNICIPAL

TIDE

Consolidated-Vultee Office

6 Elec. Ducts 2-12 K.V.

Service Pole

Sidewalk

Traffic Signal

16' Guy Pole

2-2x2 Con Base for Flood Lights

Curb Inlet

Telephone Conduit

24" R.C. Pipe

4'-4"S Handhole

Cable Fence, 2 Pipe Posts

City Electrical Conduit

Driveway

SEWER EASEMENT

LAND

HIGHWAY

AIRPORT

MATCH LINE SEE SHEET 11557-14-D

Auto Jack Hoist 16' Lg.

Beginning 1-5' Cable Fence

PALM STREET

APPROVALS

CITY OF SAN DIEGO — SAN DIEGO UNIFIED PORT DISTRICT

SAN DIEGO UNIFIED PORT DISTRICT

DOCUMENT NO. 3383

FILED JUN 28 1968

MICROFILM NO.

OFFICE OF THE CLERK

CITY OF SAN DIEGO
ENGINEER'S DEPARTMENT

SHEET 15 OF 24 SHEETS

DRAWING NO. 17430

CHANGE	BY	DATE	APPROVED

CONSTRUCTION RECORD

DATE STARTED — DATE COMPLETED

CONTR — INSP.

COORD. INDEX: 206-1715

SCALE HORIZ. 1" = 80' VERT. 1" = 6'

DATE

CHIEF ENGINEER

WATER DEPT. — SEWERAGE

PLANNING DEPT. — ENGINEER IN CHARGE

ELECTRICAL — HIGHWAY

STRUCTURAL — GRADES

TRAFFIC — CONTROL

DESIGNED

CHECKED JH

SUPERVISOR

CHIEF ENGINEER

11557-15-D

HARBOR No.
CITY No. 969-D, Sht. 6 of 20

SUTHERLAND STREET

CLAYTON STREET

EQUATION 88+50.00 = 4°00'00" Rt. HARASTHY STREET

EMORY STREET

BEAN STREET

EQUATION VINE STREET

GROUND LINE

647.63

799.99'

762.35'

682.40'

694.54'

0.10%

EL.-2.38

EL.-3.08

EL.-3.88

EL.-4.54

Flow Line of 45" R.C. Tile Lined Pipe

36" R.C. Pipe FL.EL.4.95

24" R.C. Pipe FL.EL.4.44

18" R.C. Pipe FL.EL.4.5

M.H. No. 15 89+71.99 89+71.04

M.H. No. 50 81+28.21

M.H. No. 49 74+43.81 74+49.81

Cut to Conc. Pipe 6.01

Cut to Conc. Pipe 7.01

Cut to Conc. Pipe 6.38

Cut to Conc. Pipe 7.08

Cut to Conc. Pipe 7.38

Cut to Conc. Pipe 7.88

Cut to Conc. Pipe 8.38

Cut to Conc. Pipe 8.88

Cut to Conc. Pipe 9.38

Cut to Conc. Pipe 9.88

Cut to Conc. Pipe 10.38

Cut to Conc. Pipe 10.88

Cut to Conc. Pipe

ASH STREET

165'

N

SCALE 1"=40'

Sewer Esmt Below the Mean High Tide Line shown hatched

108'

JACKSONS MAP OF MIDDLETOWN MAP 4143-R

Blk 293

25'

4'

125'

N 00°01'40" E

144'

DRIVE (Street)

City

Nly line of "A" St. extended below the Mean High Tide Line

30'

S 89° 58' 20" E 636'

30'

52.6'

HIGHWAY

A ST.

Blk 296

50'

7.5'

15'

HARBOR (Not a

PACIFIC

Mean High Tide Line

Bay of San Diego

Bulkhead Line → N 00° 01' 90" E

SAN DIEGO UNIFIED PORT DISTRICT
3383
DOCUMENT NO. JUN 28 1968
FILED
MICROFILM NO. 31
OFFICE OF THE CLERK

SEWER ESMT.- Wly of the intersection of Pacific Hwy. & "A" St. below the Mean High Tide Line (TIDELANDS)

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 17 OF 24 SHEETS

W.O. NO. 17430

APPROVALS

CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
R. E. Hansen	
PUBLIC WORKS INSPECTOR	
ORIGINAL CONVEYANCE DOCUMENT NO. 61-431	ORIGINAL CONVEYANCE DOCUMENT NO. 79

CITY ENGINEER — DATE — DIVISION HEAD

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	R.C.J.	07/	6/24/68	

DESIGN ENGINEER

CONTROL CERTIFICATION

202 - 1715
LAMBERT COORDINATES

CONTRACTOR — DATE STARTED
INSPECTOR — DATE COMPLETED

11557-17-D

EQUATION OF ELEVATION

CITY ZERO = U.S.C.&G. ZERO + 9.01

CITY STAFF 0.00 = U.S.C.&G. STAFF 9.01

CITY STAFF 9.01 = U.S.C.&G. STAFF 0.00

NOTE: ALL ELEVATIONS REFER TO CITY ELEVATIONS.

Approx. Grade Harbor Drive

Ground Line

Flow Line of 60" R.C. Tile Lined Pipe

47+01.00 M.H. No. 29 El. -16.072

700.00'

-0.08%

El. -16.31 (68 Book 205 8)

42" Storm Drain

36" Storm Drain F.L. -4.77

42" Storm Drain F.L. -5.41

41+16.00 M.H. No. 28

24" Storm Drain to R. F.L. -4.97

535.00'

30" Storm Drain F.L. -4.99

32+89.00 M.H. No. 27

30" R.C. Culvert Pipe

-6.79 Existing Sewer

829.98'

El. -17.45

Fill Rubble

863.15'

24+25.85 M.H. No. 26 El. -18.13

0.08%

See State Plans Work on this Contract

Equation -3.82 = 38+00.00

50 48 46 45 44 42 40 38 36 34 32 30 28 26 24

MATCH LINE 11557-19-D

SEWER EASEMENT BELOW M.H.T.L. SHOWN HATCHED

N

N 56° 55' 03" W 420.75'

R = 2060 Δ = 4° 48' 30" L = 172.88

N 56° 55' 03" W

N 54° 25' 03" W 33.97'±

S 33° 04' 57" W 80.00'

62.19'

500'

60' R.C.P. Tile Lined Pipe

N 56° 55' 03" W

115.69'

R = 1940 Δ = 4° 48' 30" L = 162.81'

S 33° 04' 57" W

N 37° 43' 27" E

S 70° 51' 12" W 398.19'

S 76° 53' 15" W 388.97'

Δ = 32° 13' 45" L = 401.09'

R = 440'

N 19° 09' 48" W 396.63'

E.C. Highway to S.F. Bay Δ = 15° 00' 00" T = 29.29' L = 58.64' R = 220' Δ = 76° 16' 00" T = 18.25' L = 29.29' R = 220' Δ = 15° 00' 00" T = 29.29' L = 58.64'

Asphalt Surface

Mean High Tide

Mean High Tide

Natural Iron Marks

Natural Iron Marks

Location, Width and Typical Concrete Piers to be Constructed in Overpass of Highway of Ry's Co.

Location, Width and Typical Concrete Piers to be Constructed in Overpass of Highway of Ry's Co.

Top of Slope

Toe of Slope

Top of Slope

Toe of Slope

Top of Slope

Toe of Slope

EQUATION OF ELEVATION

CITY ZERO 0.00 — CITY STAFF — +9.01

U.S.C.&G. ZERO -9.01 — U.S.C.&G. STAFF — 0.00

NOTE: ALL ELEVATIONS REFER TO CITY ELEVATIONS.

EASEMENT BELOW M.H.T.L. SHOWN HATCHED

REF: CITY 1023-D

SEWER ESMT. – from India to 3RD Ave, in Navy Field, below M.H.T.L.

APPROVALS	
CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
R. C. Wilson (UTILITIES DIRECTOR) 6-24-68	R. Rubmann (CHIEF ENGINEER)
PUBLIC WORKS DIRECTOR	
ORIGINAL CONVEYANCE DOCUMENT NO. 80262 FILED FEB. 15, 1961	ORIGINAL CONVEYANCE DOCUMENT NO. 76 FILED FEB. 13, 1963

CITY OF SAN DIEGO — ENGINEERING DEPARTMENT — SHEET 19 OF 24 SHEETS — W.O. NO. 17430

PLAN REVISION			
CHANGE	BY	DATE	APPROVAL

E. F. Gabelmann 6/24/68 — CITY ENGINEER — DATE

CONSTRUCTION RECORD

DATE STARTED — DATE COMPLETED — CONTR. — INSP. — FIELD BOOK

INDEX 198-1717

OFFICE ENGINEER — SUPERVISOR — CHECKED — DESIGNED

WATER DEPT. — SEWERAGE — PLANNING DEPT. — DRAINAGE — ELECTRICAL — HIGHWAY — STRUCTURAL — GRADES — TRAFFIC — CONTROL

SCALE HORIZ. 1"=80' VERT. 1"=6'

11557-19-D

HARBOR No.

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3383
FILED JUN 28 1968
MICROFILM NO.
OFFICE OF THE CLERK

CITY ZERO | EQUATION OF ELEVATIONS | +9.01

CITY STAFF | U.S.C.&G.S. STAFF

U.S.C.&G. ZERO | -9.01 | 0

NOTE: ALL ELEVATIONS REFER TO CITY DATUM.

HARBOR DRIVE

48+00 Δ 2°00' Lt.

EQUATION 42+39.95 = 42+25.57 Δ=10°41' R.

INSIDE FACE OF CHAMBER WALL 35+56.93 Δ 12°11'45" Lt. SPECIAL CHAMBER = M.H. No. 8

INSIDE FACE OF CHAMBER WALL EQUATION 32+83.45 = 32+36.13 SPECIAL CHAMBER = M.H. No. 7 Δ 11°40'36" Lt.

25+91.23 Δ 20°34' Lt.

Inverted Siphon 2-42" V.C. Pipe. See Dwg. 1025-D.

Approx. Grade Harbor Drive ℄

Ground Line ℄

M.H. No. 10

M.H. No. 9

End of Bridge

223.00'

El. -7.29

Flow Line of 60" R.C. Tile Lined Pipe ℄ 0.10%

El. -7.85

El. -8.52

El. -8.80

El. -9.50

El. -9.69

El. -13.0

El. -14.0

1.2 = Highest Tide

4.1' = Mean High Tide

11.17' = Lowest Tide.

560.05'

668.64'

273.50'

644.90'

551.23'

K 60.05 × 25.57

16.57 × K 36.13

48 46 44 42 40 38 36 34 32 30 28 26 24

HOR. 1" = 80'
VERT. 1" = 6'

SCALE

SEE SHEET 11557-21-D

MATCH LINE

HARBOR

S 50° 42' 40" E R/W For HARBOR DRIVE

Clean Out-Storm Drain

MEAN HIGH TIDE

M.H. No. 10 48+00 Δ 2°00' Lt.

EQUATION 42+39.95 = 42+25.57 Δ=10°41' R.

M.H. No. 9

N 54° 13' 25" W

N 52° 13' 25" W 560.05'

60" R.C. Tile-lined Pipe ℄

N 62° 54' 25" W 355.5'

(5+89.37 Harbor Dept. Map 151-L-5)

(6+38.50 Harbor Dept. Map 151-L-5)

193.29'

111.04'

120'

EASEMENT BELOW M.H.T.L SHOWN HATCHED

SPECIAL CHAMBER M.H. No. 8

Inverted Siphon Under Creek See Dwg. 1025-D

Granite Mon

A.T. & S.F. Pile Trestle Ry. Bridge ℄

313.0'

223.0'

N 50° 42' 40" W (Per 43-L) 2-42" V.C. PIPE

Toe of Fill & Chamber Wall 35+56.93 Δ 12°11'45" Lt.

35+36.43 = End of Bridge

Highway Storm Drain 67-22 Plan 11

Chollas Creek

East Face of Bridge 33+13.23 Highway Sta. 69+45.00

Tack in Top & End of A.T. & S.F. Ry. Bridge

SPECIAL CHAMBER M.H. No. 7

INSIDE FACE OF CHAMBER WALL EQUATION 32+83.45 = 32+36.13 Δ 11°40'36" Lt.

162.36'

218.66'

188.66'

Found C.T. in Tie

Concrete Monument Exposed

Concrete Monument Buried

30' Fill

50' R/W

Harbor Drive

31.32'

Sewer

R/W

M.H. No. 6 25+91.23 Δ 20°34' Lt.

20'x12' Box

Sewer

Manholes

Cylinders

BAY FRONT ST.

To Fleet School Barracks

50'

TIDELANDS

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3383
FILED JUN 28 1968
MICROFILM NO. 31
OFFICE OF THE CLERK

REF:
CITY DWGS 1018-D
6289-L
9391-B
RL 6155-1-R
13408-57-L
13408-58-L
43-L

APPROVALS

CITY OF SAN DIEGO — PUBLIC WORKS DIRECTOR — UTILITIES REGION — R. E. Nelson Apl

SAN DIEGO UNIFIED PORT DISTRICT — CHIEF ENGINEER — A. Wilkinson

ORIGINAL CONVEYANCE DOCUMENT NO. 71 FILED FEB. 13, 1969

ORIGINAL CONVEYANCE DOCUMENT NO. [illegible] FILED FEB. 15, 1969

SEWER ESMT - Sly of HARBOR DR. Bet. 28TH & 32ND Sts below M.H.T.L.

CITY OF SAN DIEGO — ENGINEERING DEPARTMENT — SHEET 20 OF 24 SHEETS

W.O. No. 17430

PLAN CHANGE	REVISION BY	DATE	APPROVAL

CONSTRUCTION RECORD

DATE STARTED — DATE COMPLETED

CONTR. — INSP.

FIELD BOOK

E. F. Eastman 6/24/68
CITY ENGINEER — DATE

WATER DEPT.	SEWERAGE
PLANNING DEPT.	DRAINAGE
ELECTRICAL	HIGHWAY
STRUCTURAL	GRADES
TRAFFIC	CONTROL

INDEX 190-1727

OFFICE ENGINEER

SUPERVISOR

CHECKED

DESIGNED

11557-20-D

HARBOR №

CITY ZERO 0 EQUATION OF ELEVATIONS +3.01

CITY STAFF 0 — U.S.C.&G. STAFF +3.01

U.S.C.&G. ZERO -3.01

NOTE: ALL ELEVATIONS REFER TO CITY DATUM

HARBOR DRIVE

Approx. Grade Harbor Drive

Ground Line

Storm Drain Pt. of Beginning

M.H. No. 13 64+00.18

EQUATION 59+81.72 = 59+24.20 L

59+80.30

MH No. 12 54+61.63

Storm Drain El. 7

1.14 Bottom of Drain Concrete

El. 5.74

Flow Line of 60" R.C. Tile Lined Pipe

-0.10%

El. 5.24

(610.37') 267.63 854.90 622.42

Special Chamber MH No. 12 Inside Face of Chamber Wall Equation 54+32.12 = 55+43.68 Ahead

54+94.43

2-42" C.M.P. Pipe in Siphon

Special Chamber MH No. 11 Inside Face of Chamber Wall 54+32.12

Sta. 0+00 = 1016.0 Dwg.

Existing Box Culvert Double 5'x4' Concrete

El. 6.60 El. 6.67

Flow Line of 60" R.C. Tile Lined Pipe 0.09%

56.32'

72.0'

68+10.0 66+32.0 65+79.63 (11.81 Ø)

SEWER ℄ Δ=30° 40' Rt. R=1780.' L=956.77 T=490.20 Def per ft=96.56'

See Dwg. 1446-S for Details of Cast Iron Encasement at Pt. of Crossing

Sta. 59+50 to 60+00 for Details of Encasement at Pt. of Crossing

Sta. 59+50 to 60+00 for Details of Encasement at Pt. of Crossing

Clean Out

Storm Drain

Clean Out

Storm Drain

Special Chamber M.H. No. 11 Inside Face of Chamber Wall 54+32.12 = 54+43.68 Ahead

54+94.43

2-42" C.M.P. Pipe in Siphon

Sta. 0+00 = 1016.0 Dwg.

LINE SEE SHEET 11557-20-D

R.C. Pipe Storm Drain

N 54° 13' 25" W 422'±

MATCH

20 10

SEWER ℄ Δ=21° 40' 22" Lt. R=1815.21' L=1169.30' T=855.10' Def per ft=1.500'

SEWER ℄ Δ=6° 14.26' Lt. R=1777' L=1933.53' T=127.96' Def per ft=.963'

EC 55+15.58

54+58.4 Box Culvert Siphon Under Storm Drain See Dwg. No. 1016-D 2-4'-0" C.M.P. Pipe

Storm Drain

Storm Drain

Storm Drain

PACIFIC

JUNIPER ST.

IVY ST.

HIGHWAY

HAWTHORN ST.

LAUREL STREET

SCALE 1"=50'

See 11557-6-D for Esmt

118.5'

N 69° 47' 20" E per 3240-B

333.90' To MHTL

S 20° 12' E

609.08'

N 69° 47' 20" E 273.18'

12" V.C.

BUILDING

D.E.

S 17° 12' E 244.78'

244.78' 12" V.C.

S 20° 12' 40" E

397.62'

18" V.C.

175' 8" V.C.

741.54'

389.94' 12" V.C.

122'

40'

40'

Sewer Easement below the Mean High Tide Line shown hatched

Ref Dwgs.

CITY - 1034-3-D

HARBOR - 17-D-23-2

SAN DIEGO UNIFIED PORT DISTRICT

DOCUMENT NO. 3963

FILED JUN 28 1968

MICROFILM NO. 31

OFFICE OF THE CLERK

SEWER EASEMENT- sly of LAUREL & wly of Pacific Hwy in the TIDELANDS

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 22 OF 24 SHEETS

W.O. NO. 17430

APPROVALS	
CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
R. E. Hudson UTILITIES DIRECTOR	J. Williamson CHIEF ENGINEER
PUBLIC WORKS DIRECTOR	
ORIGINAL CONVEYANCE DOCUMENT NO. 144525 FILED FEB. 15, 1961	ORIGINAL CONVEYANCE DOCUMENT NO. 71 FILED FEB. 17, 1961

CITY ENGINEER ____ DATE ____ DIVISION HEAD

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	R.C.J.	[illegible]	6-24-68	

DESIGN ENGINEER

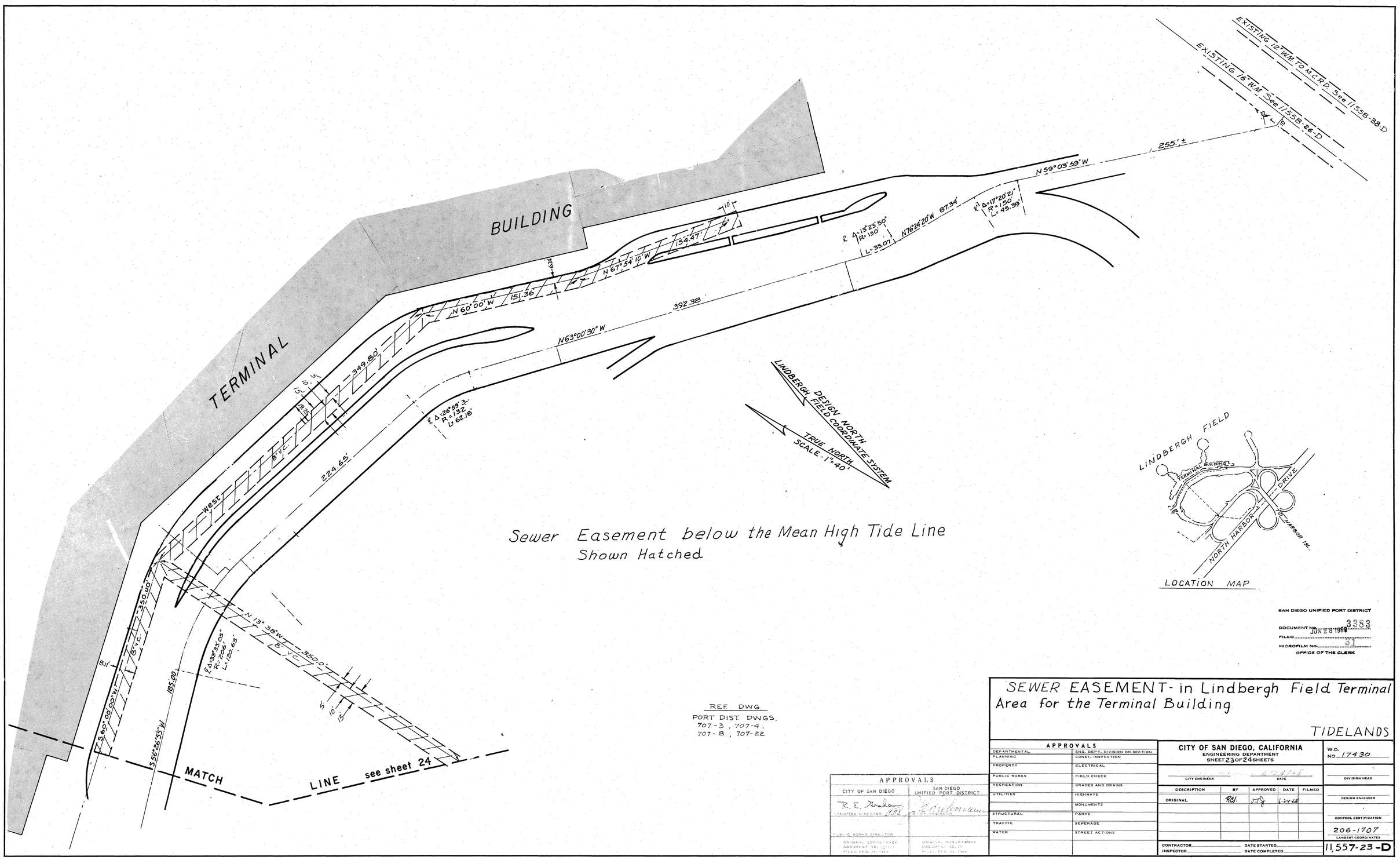
CONTROL CERTIFICATION

204-1716
LAMBERT COORDINATES

CONTRACTOR ____ DATE STARTED ____

INSPECTOR ____ DATE COMPLETED ____

11557-22-D



Sewer Easement below the Mean High Tide Line
Shown Hatched

LOCATION MAP

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3383
FILED JUN 28 1968
MICROFILM NO. 31
OFFICE OF THE CLERK

REF. DWG.
PORT DIST. DWGS.
707-3, 707-4,
707-8, 707-22

APPROVALS

CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
R. E. Nelson UTILITIES DIRECTOR 1968	[illegible] CHIEF ENGINEER
PUBLIC WORKS DIRECTOR	
ORIGINAL CONVEYANCE DOCUMENT NO. 15555 FILED FEB. 15, 1961	ORIGINAL CONVEYANCE DOCUMENT NO. 27 FILED FEB. 15, 1961

SEWER EASEMENT - in Lindbergh Field Terminal Area for the Terminal Building

TIDELANDS

APPROVALS

DEPARTMENTAL	ENG. DEPT. DIVISION OR SECTION
PLANNING	CONST. INSPECTION
PROPERTY	ELECTRICAL
PUBLIC WORKS	FIELD CHECK
RECREATION	GRADES AND DRAINS
UTILITIES	HIGHWAYS
	MONUMENTS
STRUCTURAL	PARKS
TRAFFIC	SEWERAGE
WATER	STREET ACTIONS

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 23 OF 24 SHEETS

CITY ENGINEER — DATE 6-24-68

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	RDL	WJ	6-24-68	

CONTRACTOR — DATE STARTED
INSPECTOR — DATE COMPLETED

W.O. NO. 17430
DIVISION HEAD
DESIGN ENGINEER
CONTROL CERTIFICATION 206-1707
LAMBERT COORDINATES
11,557-23-D

MATCH LINE see sheet 23

EAST 2700 O.H.G.

350.00'

135.00'

S 56°26'55" W

N 60°00'00" W 360.00'

8" V.C.

10'

N 55°42'36" W 50.00'

DESIGN NORTH
LINDBERGH FIELD COORD. SYSTEM
TRUE NORTH
SCALE 1"=40'

N 13° 38' W

5'
10'
15'

8" V.C.

350.08'

N 60° 02' 15" W 322.78'

10" V.C.

S 13° 58' 25" W

10" V.C.

93.00'

5'
23'

15" V.C.

S 73° 58' 25" W

S 81° 04' 13" E 100.44'

METRO. SEWER

Δ = 58° 24' 30" R = 182' L = 185.53'

N 19° 11' W 331.90'

N 19° 11' W 39.64'

R=181'

L=231.13'

S 40° 46' 30" E 270.27'

CURB

CURB

Sewer Easement below the
Mean High Tide Line Shown Hatched

46'

54'

N 14 R/W Line

S 14 R/W Line

54'

46'

N 40° 46' 50" E 413.20'

TO HARBOR ISLAND

18" C.I. WATER MAIN

VACATED BY RESOL. 189562 2-14-67
GENERAL UTILITY ESMT. RESERVED FROM STREET VACATION

℄ NORTH HARBOR DRIVE

10'

N 14° 01' W 250.70'

5'
10'
15'

8" V.C.

N 75° 59' 00" E 195.00'

N 70° 43' 30" E

Δ = 30° 00' 00"
R = 75.0'
L = 39.27'

REF. DWG.
PORT DIST. DWGS
707-3, 707-4
707-8, 707-22

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3383
FILED JUN 28 1968
MICROFILM NO. 31
OFFICE OF THE CLERK

SEWER EASEMENT-in Lindbergh Field Terminal Area for the Terminal Building

TIDELANDS

APPROVALS		APPROVALS	
DEPARTMENTAL	ENG. DEPT. DIVISION OR SECTION	CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
PLANNING	CONST. INSPECTION	R. E. Arahan	
PROPERTY	ELECTRICAL	BUREAU CHIEF	
PUBLIC WORKS	FIELD CHECK	PUBLIC WORKS INSPECTOR	
RECREATION	GRADES AND DRAINS	SURVEY CHIEF	
UTILITIES	HIGHWAYS		
	MONUMENTS		
STRUCTURAL	PARKS		
TRAFFIC	SEWERAGE		
WATER	STREET ACTIONS		

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 24 OF 24 SHEETS

W.O. NO. 17430

CITY ENGINEER — DATE 6/24/68 — DIVISION HEAD

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	R.C.J.		6-24-68	

DESIGN ENGINEER

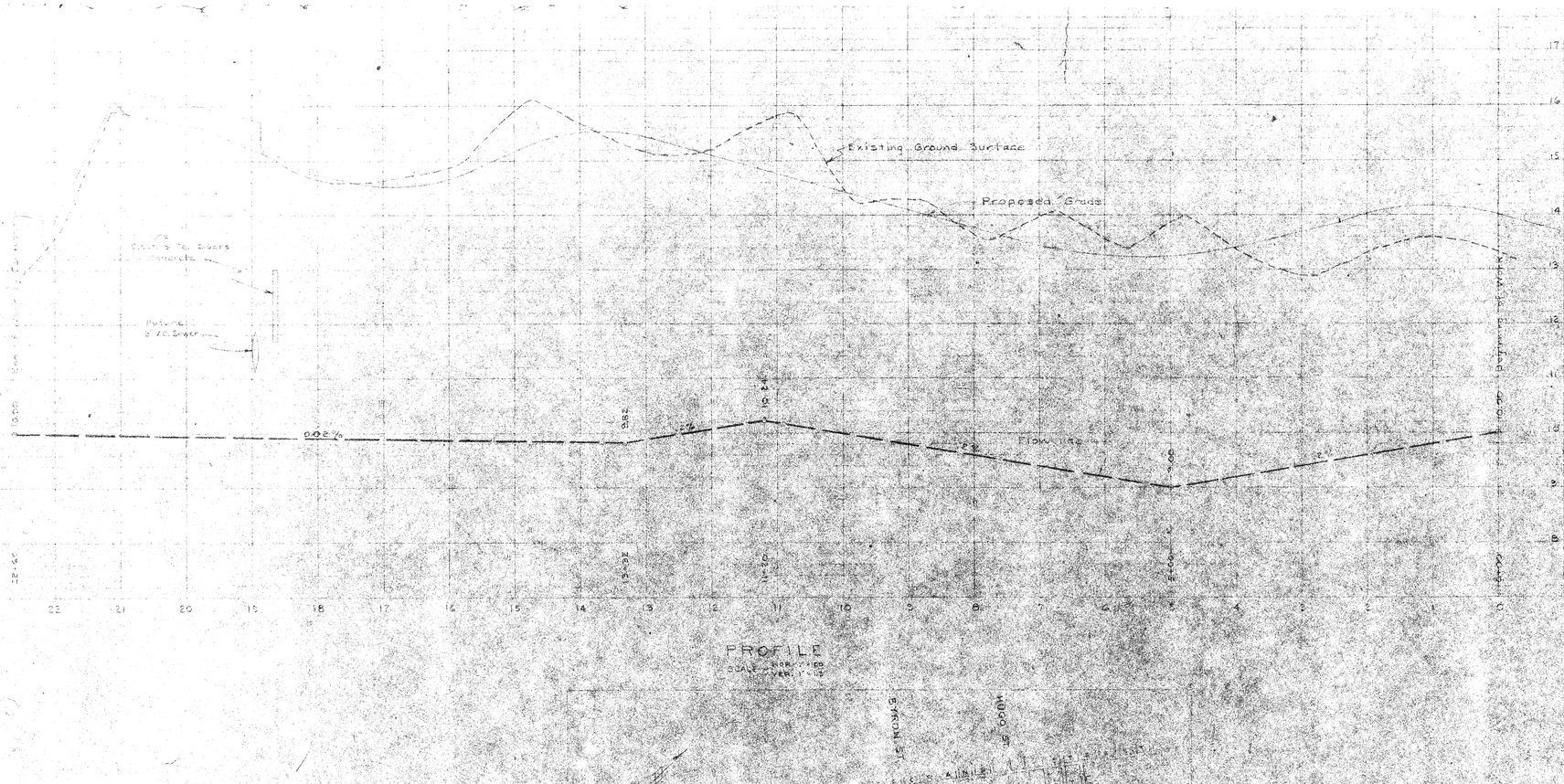
CONTROL CERTIFICATION

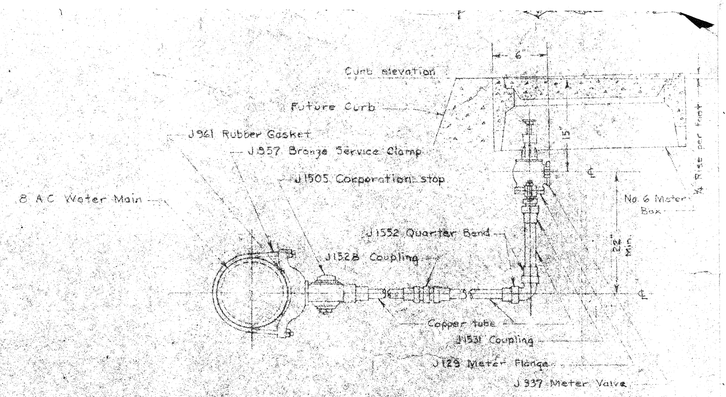
206-1707
LAMBERT COORDINATES

CONTRACTOR — DATE STARTED

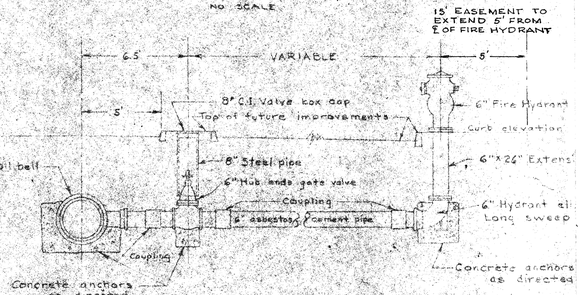
INSPECTOR — DATE COMPLETED

11557-24-D

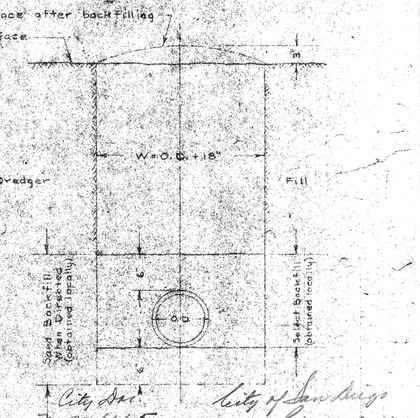




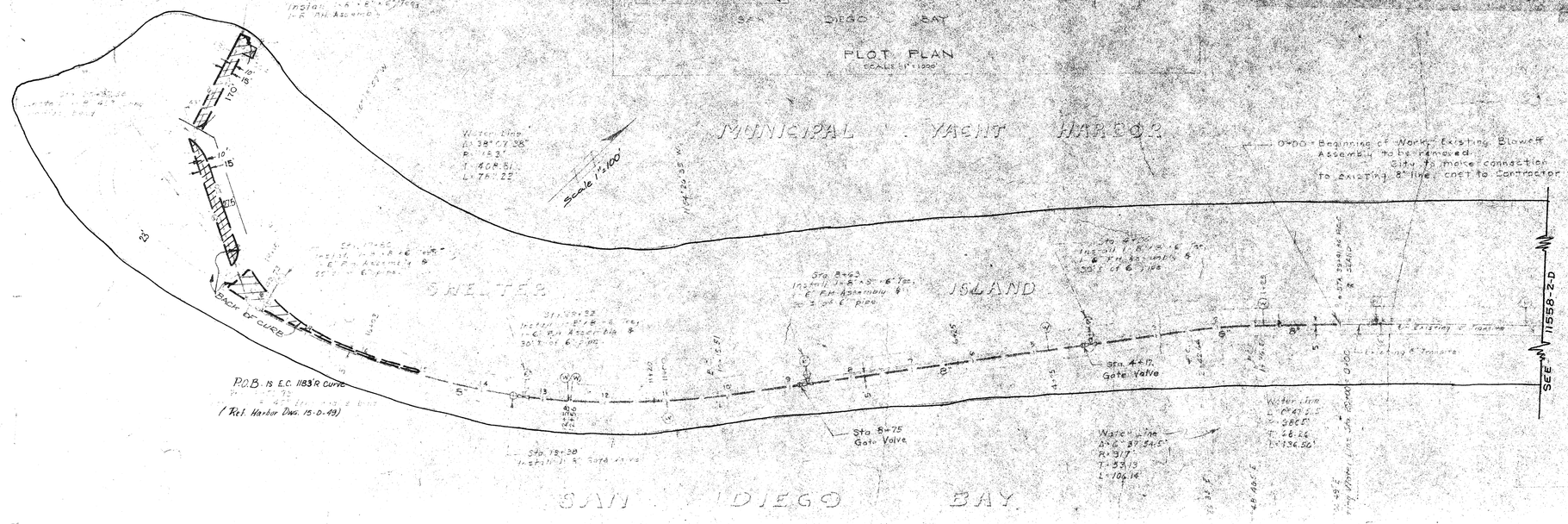
TYPICAL 2" WATER SERVICE CONNECTION
NO SCALE

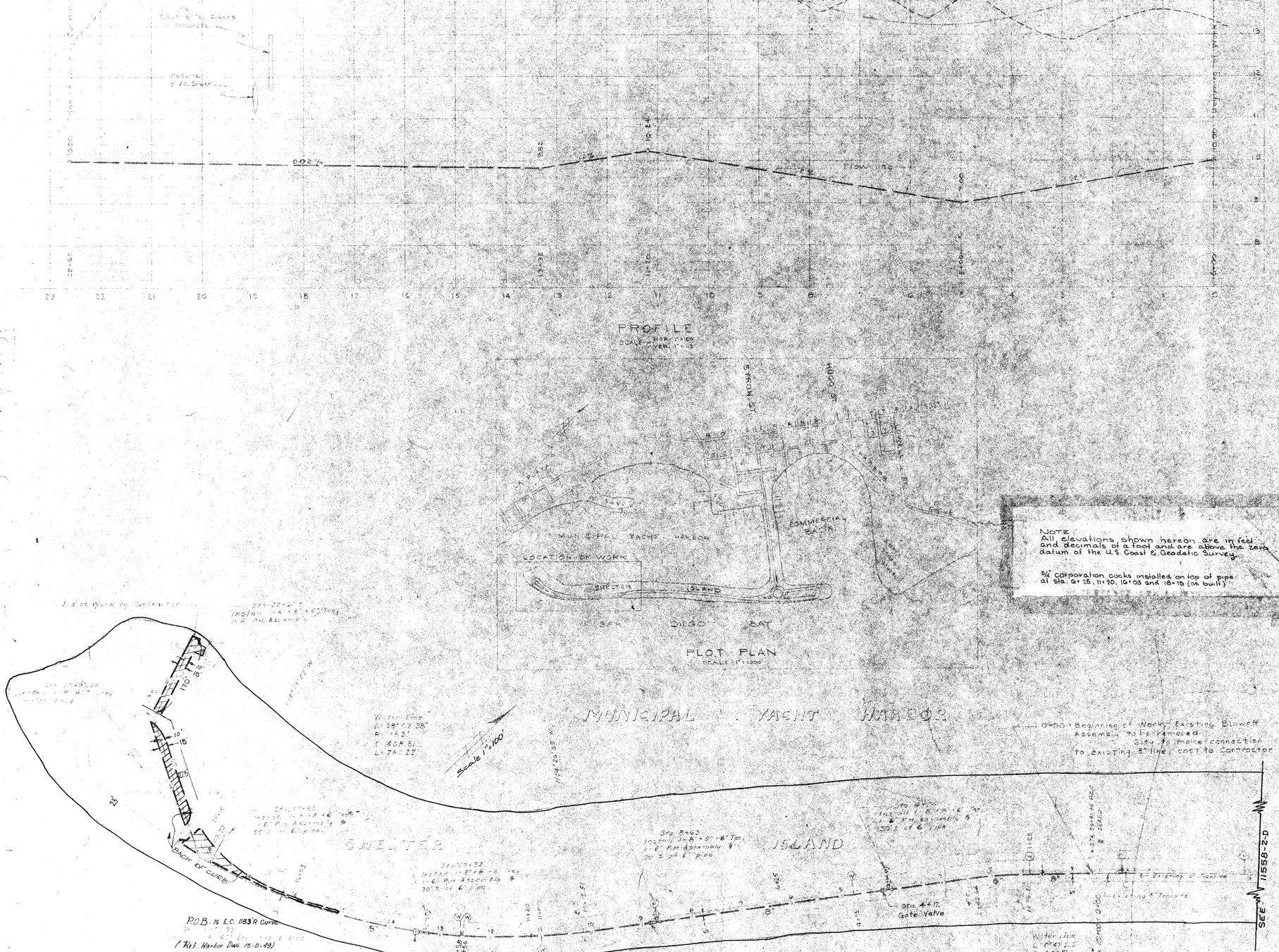


TYPICAL DETAIL OF HYDRANT ASSEMBLY
NO SCALE



TYPICAL TRENCH SECTION
SCALE: 1"=1'-0"





NOTE:
All elevations shown hereon are in feet and decimals of a foot and are above the zero datum of the U.S. Coast & Geodetic Survey.

3/4" corporation cocks installed on top of pipe at sta. 0+25, 11+20, 16+03 and 18+15 (as built)

LEGEND

Proposed Water Main	
Existing Water Main	
Fire Hydrant	⊕ (6)
Gate Valve	⊕
Tee	⊥
45 Degree Bend	⊥
Water Service (2")	(W)

APPROVALS

CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
R. E. Graham 6/24/68 UTILITIES DIRECTOR	J. Goldmann CHIEF ENGINEER
PUBLIC WORKS DIRECTOR	
ORIGINAL CONVEYANCE DOCUMENT NO. 696833 FILED FEB. 15, 1962	ORIGINAL CONVEYANCE DOCUMENT NO. 11 FILED FEB. 13, 1968

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3383
FILED JUN 28 1968
MICROFILM NO. 31
OFFICE OF THE CLERK

Part 1 (20)

WATER EASEMENT ~ on Shelter Island

TIDELANDS

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 1 OF 39 SHEETS

W.O. NO. 17430

E. F. Gonsalves 6/24/68
CITY ENGINEER DATE

DIVISION HEAD

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	J.H.Wann	O.K.	6/24/68	

DESIGN ENGINEER

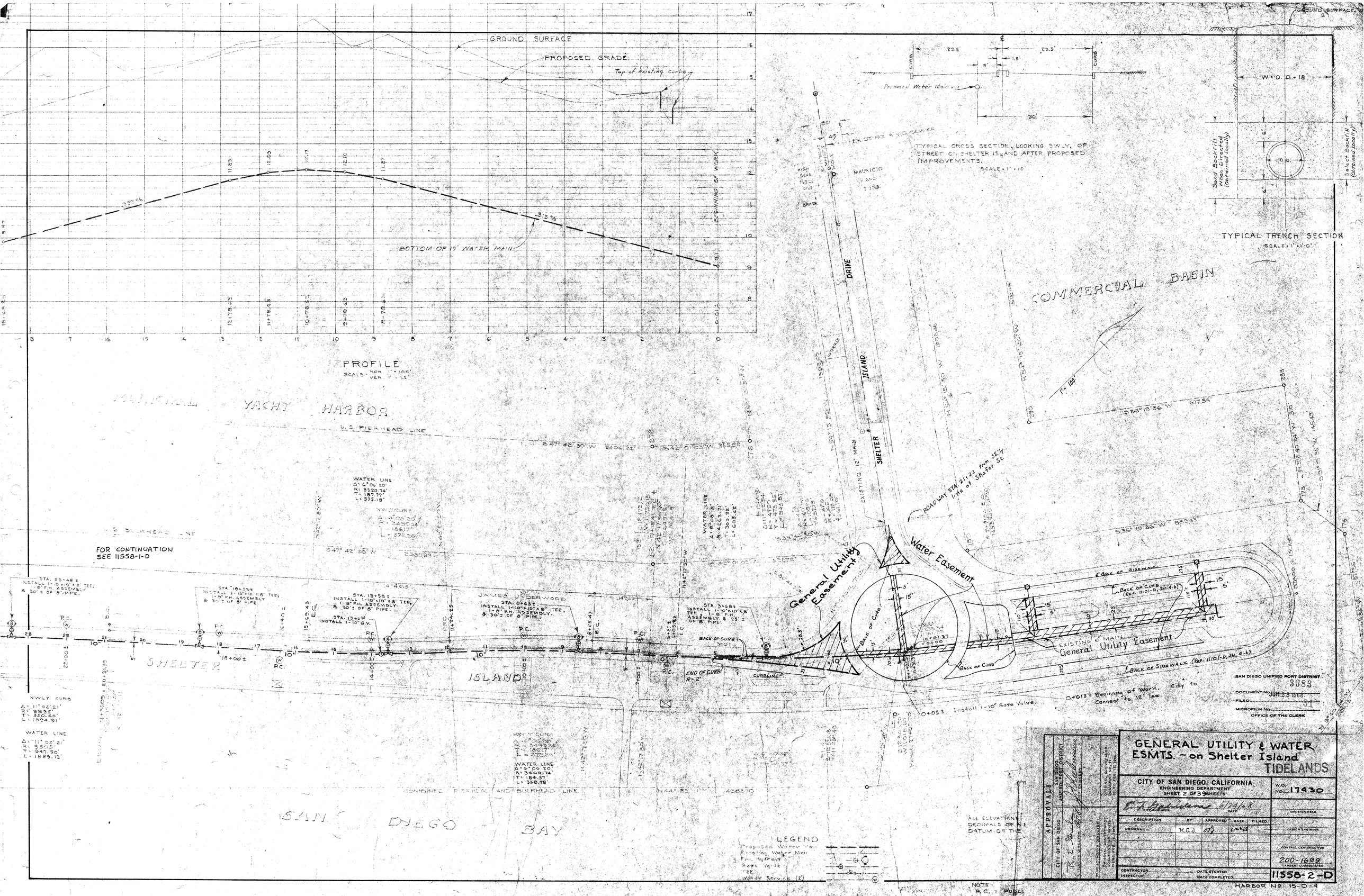
CONTROL CERTIFICATION

198-1697
LAMBERT COORDINATES

CONTRACTOR ..... DATE STARTED .....
INSPECTOR ..... DATE COMPLETED .....

11558-1-D

HARBOR NO 15-D-49



APPROVALS

CITY OF SAN DIEGO

R. E. Shafer
CHIEF HARBOR ENGINEER

SAN DIEGO UNIFIED PORT DISTRICT

E. A. Engelmann 6/24/68
CHIEF ENGINEER — DATE

RECOMMENDED FOR APPROVAL
DOCUMENT NO. 3383
FILED JUN 28 1968
OFFICE OF THE CLERK

GENERAL UTILITY & WATER ESMTS. - on Shelter Island

TIDELANDS

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 2 OF 39 SHEETS

W.O. NO. 17430

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	R.C.J.		2-'68	

DESIGN ENGINEER

CONTROL CERTIFICATION

200-1699
LAMBERT COORDINATES

CONTRACTOR
INSPECTOR
DATE STARTED
DATE COMPLETED

11558-2-D

HARBOR No. 15-D-4

LINDBERGH FIELD

RUNWAY 9-27

TAXI

UNIT NO. II

STRIP

BEGINNING OF WORK.
CITY TO INSTALL & CONNECT TO 12"x8" CROSS; COST TO CONTRACTOR $206.00

Top of Storm Drain 7'± below surface

750'±

2455'±

2" ROAD MIX

INSTALL 1-8" GATE VALVE

8' Chain Link Fence

INSTALL 1-8"x8"x6" TEE, 1-6" F.H. ASSEMBLY, SEE DETAIL

INSTALL 1-3" BLOW OFF ASSEMBLY END OF WORK BY CONTRACTOR

550'±

555'±

INSTALL 1-8"x8"x6" TEE, 1-6" F.H. ASSEMBLY, SEE DETAIL

Top of Sewer 10'± below surface

INSTALL 1-8" GATE VALVE

CONVAIR B-36 BUILDING

A/C

Connection as built: Short length of Class 150 Transite Pipe and 11¾" Cast Iron F.J.'s & Tyler Valves and Cross.

WAKE BLVD.

SCALE 1" = 100'

See 11558-20-D

6" Fire hydrant

8' chain link fence

Ground surface or top of pavement

8" C.I. valve box cap

3' MIN.

6" C.I. serrated extension

6" C.I. hydrostell

S.C.C. or equiv.

Tee, all C.I.

Concrete anchors as directed.

Mechanical Joint Adaptor Coupling

Unit 1 of Cons. Unit 2 Unit

Concrete anchor as directed

TYPICAL DETAIL OF HYDRANT ASSEMBLY
NO SCALE

Easement below M.H.T.L. shown hatched.

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3383
FILED JUN 28 1968
MICROFILM NO. 31
OFFICE OF THE CLERK

Connection as built: Short length of Class 150 Transite Pipe and 11¾" Cast Iron F.J.'s & Tyler Valves and Cross.

6 Reinforced Concrete Taxi Strips

see sheet 11558-23-D for esmt for 16" C.I. water line

Top of Storm Drain 6'± below surface

SEE W.N. NO. OF WORK
CITY TO INSTALL & CONNECT TO 8" TEE, COST TO CONTRACTOR $100.00
INSTALL 1-8 GATE VALVE

1505'±

750'±

Conc. Anchors

4"x4" Bracing

Easem Tower

8' Chain Link Fence

INSTALL 1-8"x8"x6" TEE, 1-6" F.H. ASSEMBLY & 17'± OF 6" PIPE SEE DETAIL

INSTALL 1-8"x8"x6" TEE, 1-6" F.H. ASSEMBLY & 17'± OF 6" PIPE SEE DETAIL

INSTALL 1-3" BLOW OFF ASSEMBLY END OF WORK BY CONTRACTOR

Water Easement SEE 11558 4-D

UNIT NO. I

RYAN AERONAUTICAL CO

LEGEND

Proposed Water Main

Exist. Water Main

Fire Hydrant

Gate Valve

TEE

Sewer

Gas

Electric

Storm Drain

Cross

NOTE: ALL F.F.F. CLASS 200 TRANSITE EXCEPT AS NOTED

PLOT PLAN
SHOWING LOCATION OF WORK

PACIFIC HIGHWAY

LINDBERGH FIELD

UNIT NO. I

UNIT NO. II

RYAN

HARBOR DRIVE

U.S. COAST GUARD BASE

SAN DIEGO BAY

EAST OF SAN DIEGO

TYPICAL TRENCH SECTION
UNIT NO. I

GROUND SURFACE

DREDGER

W = O.D. + 18"

FILL

Sand Back Fill When Directed

Select Backfill

O.D.

TYPICAL TRENCH SECTION
UNIT NO. II

TOP OF PAVING

EXIST. 6" A.C.

12" SELECTED SAND

TYPICAL TRENCH SECTION
CROSSING A.C. PAVEMENT

Replace Existing 8" A.C. Crossing Thus

Replace Existing 3" A.C. Crossing Thus

EXISTING 8" A.C.

PAVE WITH 3" A.C.

EXISTING 3" A.C.

PAVE 10" CONCRETE

8" CRUSHED RUN

12" SELECT BORROW

SELECT YARD

Compact existing select material or crusher run to 95% compaction.

WATER ESMTS - 8" fire line in Lindbergh Field, E'ly & W'ly of Wake Blvd, N'ly of North Harbor Dr.

TIDELANDS

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 3 OF 3 SHEETS

W.O. NO. 17430

SUPERINTENDENT — DATE 6/24/68

DIVISION HEAD

DESCRIPTION	BY	APPROVED	DATE	FILED
1 ORIGINAL	mkg	C.T.	6/24/68	

DEPUTY ENGINEER

CONTROL CERTIFICATION

206-1707
LAMBERT COORDINATES

CONTRACTOR — DATE STARTED
INSPECTOR — DATE COMPLETED

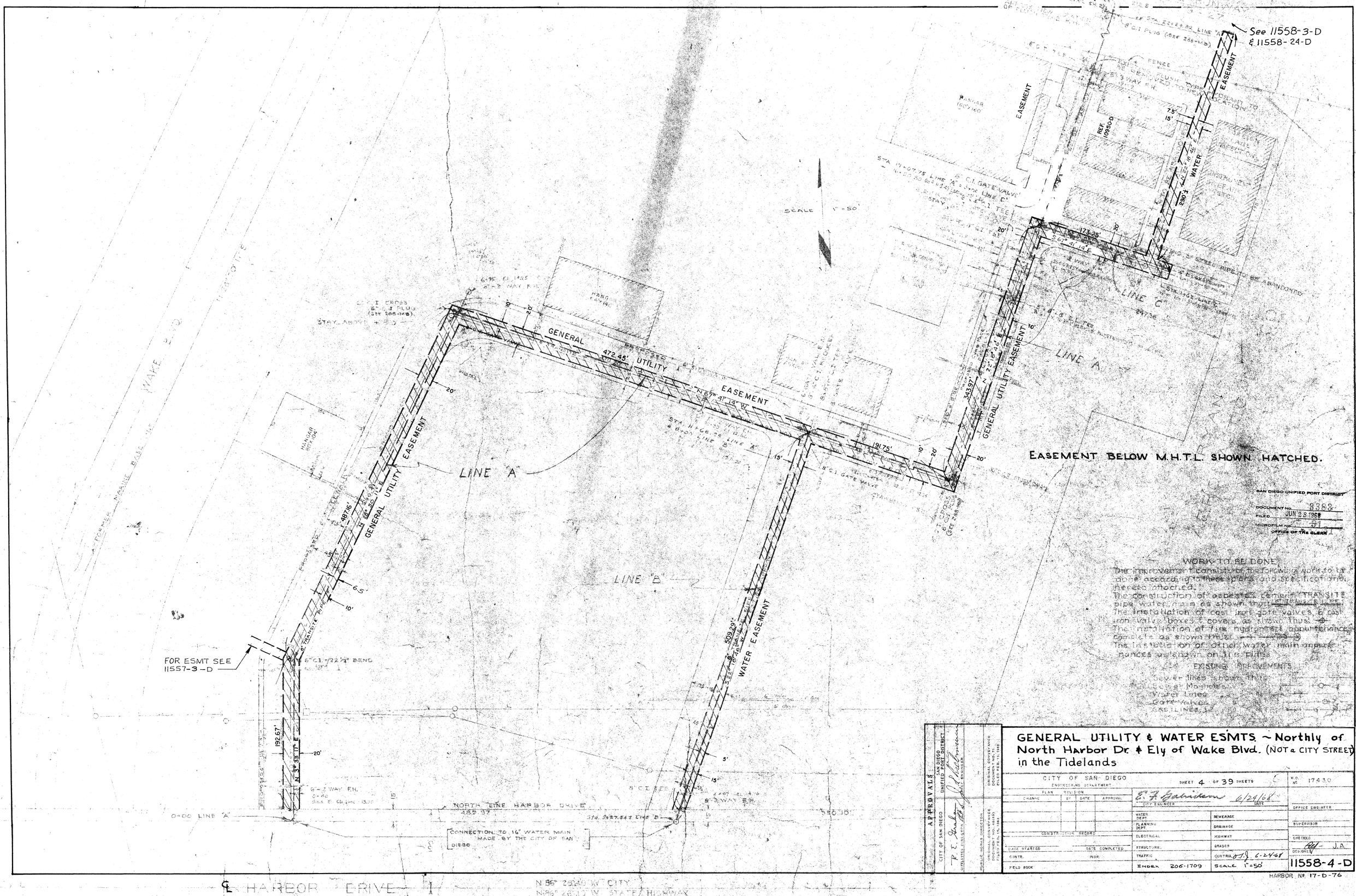
11558-3-D

APPROVED CITY OF SAN DIEGO — SAN DIEGO UNIFIED PORT DISTRICT

DATE APPROVED

DOCUMENT NO. FILED

HARBOR No. 17-D-100


See 11558-3-D & 11558-24-D
SCALE 1" = 50'
GENERAL UTILITY EASEMENT
472.45'
N67° 41' 14" W
WATER EASEMENT
509.29'
S 22° 18' 46" W
LINE "A"
LINE "B"
LINE "C"
191.75'
173.25'
N 67° 41' 14" E
344.97'
N 22° 18' 46" W
230.4'
N 22° 18' 46" W
192.67'
N 67° 41' 14" E
488.37'
NORTH LINE HARBOR DRIVE
Sta. 5+27.54 Line "B"
CONNECTION TO 16" WATER MAIN MADE BY THE CITY OF SAN DIEGO
FOR ESMT SEE 11557-3-D
6"C.I. 1/22 1/2° BEND
6"C.I. CROSS
6"C.I. PLUG (See 288-M8)
6"C.I. TEE
6"C.I. GATE VALVE
6"C.I. 45° BEND
6"C.I. 90° BEND
6"C.I. PLUG
2"C.I. PLUG
2" WAY F.H.
G-40
Std. 6" C.I. Tee
Sta. 11+07.75 Line "A"
Sta. 11+66.26 Line "A"
Sta. 0+00 Line "A"
Sta. 0+00 Line "B"
Sta. 2+29.80 Line "A"
EXISTING 6" C.I. WATER LINE TO BE ABANDONED
REF. 10950-D
HANGAR 804-1041
HANGAR 804-1041
HANGAR 804-1041

HARBOR DRIVE

SCALE 1"=50'

AMERICAN PRODUCTS INC.

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3383
FILED JUN 28 1968
MICROFILM NO.
OFFICE OF THE CLERK

Easement below M.H.T.L. shown hatched.
Dimensions marked * are shown on DWG. 11556-22-D

S.Wly. line 7th St. as shown on Dwg. 9-D-10, Harbor Dept.

General Utility Easement and Drain.

55'

80'

101.18'*

A=17°45'*
T=80.17'*
L=155.65'*

A=15°15'*
T=68.56'*
L=134.05'*

A=18°42'*
T=84.54'*
L=165.94'*

A=15°15'*
T=68.56'*
L=134.05'*

Sly. Line Harbor Drive

40'

U.S. BULKHEAD LINE

General Utility Easement and Drain

S.Wly. line 8th St. as shown on Dwg. 9-D-10, Harbor Dept.

APPROVALS
SAN DIEGO UNIFIED PORT DISTRICT

WATER EASEMENT — 7th and 8th St. TIDELANDS

CITY OF SAN DIEGO
ENGINEERING DEPARTMENT

SHEET 5 OF 39 SHEETS

W.O. NO. 17430

PLAN REVISION			
CHANGE	BY	DATE	APPROVAL

E. F. Bahnsen 6/24/68
CITY ENGINEER DATE

WATER DEPT.	SEWERAGE
PLANNING DEPT.	DRAINAGE
ELECTRICAL	HIGHWAY
STRUCTURAL	GRADES
TRAFFIC	CONTROL J.J. 6-27-68
COORD. INDEX 196-17.9	

OFFICE ENGINEER
SUPERVISOR
CHECKED J.D.
DESIGNED
11558-5-D

CONSTRUCTION RECORD
DATE STARTED DATE COMPLETED
CONTR. INSP.
FIELD BOOK

ORIGINAL ON FILE IN CITY ENGINEER'S OFFICE
BLUEPRINT COPY FILED IN DOCUMENT NO. 3383
FILED JUN 28 1968
OFFICE OF THE CLERK

GENERAL UTILITY ESMT. in Water Street bet Beardsley St & Crosby St. (Not City Streets) In Tidelands

CITY OF SAN DIEGO — SHEET 6 OF 39 SHEETS — W.O. 1744-5-D

E.F. Brennan 12-1-58

APPROVALS	
CITY OF SAN DIEGO	UNIFIED PORT DISTRICT
R.E. Hula	

11558-6-D

HARBOR DEPARTMENT DWG. NO. 191-D-3

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3383
FILED JUN 26 1968
MICROFILM NO.
OFFICE OF THE CLERK

WORK TO BE DONE

The improvement consists of the following work to be done in accordance with these plans and the specifications prepared therefor. The grading, preparation of the subgrade and paving with 4" of asphaltic concrete (1½" asphaltic concrete wearing surface, 2½" asphaltic concrete base) the area of the streets shown shaded, the construction of storm drains and curb shown by heavy line.
The construction of catch basins, installation of concrete pipe drain and connections to existing drains as noted on plans, the [illegible] of pipe [illegible]

SECTION THRU CATCH BASIN No 1

SCALE 1"= 1'0"

NOTE: SHOULD EXCAVATION REVEAL A RADICAL DIFFERENCE BETWEEN LOCATION OF CURB AND CENTER OF EXISTING 42" PIPE, ABOVE SECTION WILL BE REVISED.

TYPICAL SECTION THRU BASINS 3 & 4

SCALE 3/4 =1'-0"

NOTE: WITH THE EXCEPTION OF CONCRETING IN THE EXISTING C.I.PIPE & SIZE & SPACING OF REINFORCING ALL OTHER DETAILS TO BE IN ACCORDANCE WITH DRAWING No 93-M.B.

TYPICAL CROSS SECTION OF STREET

Easement below M.H.T.L. shown hatched

CROSBY ST-PROFILE

SCALE: Hor 1"=50' VER 1"=3'

WATER ST PROFILE

SCALES: Hor 1"=50' VER 1"=3'

BEARDSLEY ST PROFILE

SCALES: Hor 1"=50' VER 1"=3'

PROFILE ON ℄ OF 3' DRAIN AT STA 0+75

SCALE: Hor 1"=50' VER 1"=3'

EXISTING 42" R.C. PIPE

6' CONCRETE COLLAR CAST IN PLACE

INVERT 9.86

A.T.&S.F.R.R. MAIN LINE

4" OG & 2" A.C. PAVED ROADWAY

6" AC PAVING

7-SHELL OIL CO. PIPE LINES

STREET LINE N 48°51'00" E 168.3'

SW ONYX & MARBLE CO. WOOD FRAME BUILDING, WOOD FRAME SHED, PUMP PIT & PIPE TO BE REMOVED BY OTHERS

SOUTHWEST ONYX & MARBLE CO. IMPROVEMENTS ENCROACHING ON THE CROSBY ST. PROPOSED PAVING AREA ARE TO BE REMOVED BY OTHERS

END THE CONTRACT WORK AT THE MEAN HIGH TIDE LINE AND INSTALL 2"x6" No 1 CREOSOTED HEADER THE FULL WIDTH PAVING. 11.3'

WILLOW ST. BASE LINE

MEAN HIGH TIDE LINE

DIST. W'LY LINE TO CURB FACE 11.0

6' WALKWAY TO FACE CURB

E'ly line Crosby St. (as shown on Dwg 191-D-3 Harbor)

AMERICAN PROCESSING CORP.

BENSON LUMBER CO.

SOUTHWEST ONYX CO.

SHELL OIL CO.

VAN CAMP SEAFOOD CO.

CITY OF SAN DIEGO

NOTE:
TEL. POLE 101-298-H TO BE MOVED BY OTHERS
SET BACK OF POLE 0.05' INSIDE STREET LINE

NOTE:
DEPRESS STANDARD CONC. CURB TO ONE INCH ABOVE GUTTER GRADE, THE FULL WIDTH OF DRIVEWAYS AS NOTED ON THE PLAN, AND BEGIN THE TRANSITION OF THE CONC. CURB 1.5' ON EACH SIDE OF ALL DRIVEWAYS. PROVIDE ONE INCH GUTTERS AT ALL DRIVEWAYS BY OMITTING TO POUR THE TOP 5" OF STD. CURB

4" W.I. FISH OIL PIPE

4" W.I. FISH OIL PIPE LINE IN S. R/W

4" CONC. SLAB OVER 8" TRANSITE & 10" CONC. PIPE IN S. R/W

4" CONC. SLAB OVER 6" TRANSITE & 20" CONC. PIPE IN GROUND

CONSTRUCT TYPE 'D' CATCH BASINS No 3 & 4

CATCH BASIN No 3

CATCH BASIN No 4

N 50° 50' W 679.26 Per R.E. Survey 194-72E 10-28-58

641.02 CURB

DEPRESS CURB AT DRIVEWAYS

12" VC PIPE SEWER

8" WATER

END OF PAVING

641.02 CURB

N 50° 50' W (Per 191-D-3)

Sly. line WATER STREET as shown on Dwg. 191-D-3 (Harbor)

General Utility Easement

POLE & GUY ANCHOR

DAWSON-STAITE

CHAFFEE MACHINE CO.

W.E. KAIROT

SHELL OIL

CROSBY ST

BEARDSLEY ST

U.S. BULKHEAD LINE S 50° 50' E

POUR POURING TOP 5" OF STANDARD CURB AT ALL DRIVEWAYS

CURB GRADE - GUTTER GRADE & S GRADE ALL 0.40" STA 1+00 TO 5+70

SEE DETAIL

STA 5+70 ON STA 1+00 - CURB GRADE & GUTTER GRADE & S GRADE 0.40"

CONSTRUCT CROSS FALL GUTTER ON CATCH BASIN

CONSTRUCT TYPE D CATCH BASIN No 2

EARTH WALL A TO BE REMOVED SEE DETAIL SHEET 6 FOR TOP OF SEC. A CURB

SEE 11557-12-D FOR SEWER EASEMENT.

BASELINE STA 0+00 ON E CROSBY ST (BEGINNING OF PAVING CONTRACT)

DEPRESSED STANDARD CONC. CURB FLUSH WITH THE SURFACE OF PAVING 0.40' LEFT OF CENTER LINE OF CROSBY ST

NOTE:
DEPRESS STANDARD CONC. CURBS TO ONE INCH ABOVE GUTTER GRADE, THE FULL WIDTH OF DRIVEWAYS AS NOTED ON THE PLAN, AND BEGIN TRANSITION OF CONC. CURBS 1.5' ON EACH SIDE OF THE DRIVEWAYS. DO NOT POUR THE TOP 5" OF CURB AT ALL DRIVEWAYS TO PROVIDE DEPRESSED CURBS.

BEGINNING CONTRACT WORK (105.5' OF GRATE 0.30')

AT STA 0+00 CONSTRUCT TYPE D CATCH BASIN

CONSTRUCT TYPE D CATCH BASIN No 1

CUT OPENING IN PIPE

1½" BARS 12" CENTERS

NOT CURB CONSTRUCT

STA 5+70 ON WATER ST — TOP CB 9.82 — GRATE 9.32

EXISTING 20" C.I. PIPE REMOVE UPPER HALF OF PIPE IN BASIN AFTER LOWER HALF IS CONCRETED IN

INVERT BASIN No 3 = 3.21
INVERT BASIN No 4 = 2.81

CONSTRUCT TYPE D CATCH BASIN No 4

CONSTRUCT TYPE D CATCH BASINS No 3 & 4

CONSTRUCT 20" C.I. SEWER

CUT OUT TO SCALE VERTICAL BOTTOM CATCH BASIN No 3

CUT OUT NOT TO SCALE VERTICAL

SEE DETAIL

NOTE: SEE ELEC. PLAN 93-M.E.

CONSTRUCT 8" W.I. WATER

CONSTRUCT 4" W.I. FISH OIL PIPE

CONSTRUCT 4" CONC. SLAB OVER 8" TRANSITE & 10" CONC. PIPE IN S. R/W

CONSTRUCT 4" CONC. SLAB OVER 6" TRANSITE & 20" CONC. PIPE IN GROUND

CONSTRUCT 4" W.I. FISH OIL PIPE LINE IN S. R/W

CONSTRUCT 20" C.I. SEWER

CONSTRUCT 8" VC PIPE SEWER

CONSTRUCT 12" VC PIPE SEWER

CONSTRUCT 42" R.C.P. STORM DRAIN

CONSTRUCT 3' R.C.P. STORM DRAIN

CONSTRUCT 2'-0" x 1'-6" R.C. BOX STORM DRAIN

CONSTRUCT 2'-0" x 2'-0" R.C. BOX STORM DRAIN

CONSTRUCT 2'-6" x 2'-6" R.C. BOX STORM DRAIN

CONSTRUCT 3'-0" x 3'-0" R.C. BOX STORM DRAIN

CONSTRUCT 3'-6" x 3'-6" R.C. BOX STORM DRAIN

CONSTRUCT 4'-0" x 4'-0" R.C. BOX STORM DRAIN

CONSTRUCT 4'-6" x 4'-6" R.C. BOX STORM DRAIN

CONSTRUCT 5'-0" x 5'-0" R.C. BOX STORM DRAIN

CONSTRUCT 6'-0" x 6'-0" R.C. BOX STORM DRAIN

CONSTRUCT 7'-0" x 7'-0" R.C. BOX STORM DRAIN

CONSTRUCT 8'-0" x 8'-0" R.C. BOX STORM DRAIN

CONSTRUCT 9'-0" x 9'-0" R.C. BOX STORM DRAIN

CONSTRUCT 10'-0" x 10'-0" R.C. BOX STORM DRAIN

CONSTRUCT 11'-0" x 11'-0" R.C. BOX STORM DRAIN

CONSTRUCT 12'-0" x 12'-0" R.C. BOX STORM DRAIN

CONSTRUCT 13'-0" x 13'-0" R.C. BOX STORM DRAIN

CONSTRUCT 14'-0" x 14'-0" R.C. BOX STORM DRAIN

CONSTRUCT 15'-0" x 15'-0" R.C. BOX STORM DRAIN

CONSTRUCT 16'-0" x 16'-0" R.C. BOX STORM DRAIN

CONSTRUCT 17'-0" x 17'-0" R.C. BOX STORM DRAIN

CONSTRUCT 18'-0" x 18'-0" R.C. BOX STORM DRAIN

CONSTRUCT 19'-0" x 19'-0" R.C. BOX STORM DRAIN

CONSTRUCT 20'-0" x 20'-0" R.C. BOX STORM DRAIN

CONSTRUCT 21'-0" x 21'-0" R.C. BOX STORM DRAIN

CONSTRUCT 22'-0" x 22'-0" R.C. BOX STORM DRAIN

CONSTRUCT 23'-0" x 23'-0" R.C. BOX STORM DRAIN

CONSTRUCT 24'-0" x 24'-0" R.C. BOX STORM DRAIN

CONSTRUCT 25'-0" x 25'-0" R.C. BOX STORM DRAIN

CONSTRUCT 26'-0" x 26'-0" R.C. BOX STORM DRAIN

CONSTRUCT 27'-0" x 27'-0" R.C. BOX STORM DRAIN

CONSTRUCT 28'-0" x 28'-0" R.C. BOX STORM DRAIN

CONSTRUCT 29'-0" x 29'-0" R.C. BOX STORM DRAIN

CONSTRUCT 30'-0" x 30'-0" R.C. BOX STORM DRAIN

CONSTRUCT 31'-0" x 31'-0" R.C. BOX STORM DRAIN

CONSTRUCT 32'-0" x 32'-0" R.C. BOX STORM DRAIN

CONSTRUCT 33'-0" x 33'-0" R.C. BOX STORM DRAIN

CONSTRUCT 34'-0" x 34'-0" R.C. BOX STORM DRAIN

CONSTRUCT 35'-0" x 35'-0" R.C. BOX STORM DRAIN

CONSTRUCT 36'-0" x 36'-0" R.C. BOX STORM DRAIN

CONSTRUCT 37'-0" x 37'-0" R.C. BOX STORM DRAIN

CONSTRUCT 38'-0" x 38'-0" R.C. BOX STORM DRAIN

CONSTRUCT 39'-0" x 39'-0" R.C. BOX STORM DRAIN

CONSTRUCT 40'-0" x 40'-0" R.C. BOX STORM DRAIN

CONSTRUCT 41'-0" x 41'-0" R.C. BOX STORM DRAIN

CONSTRUCT 42'-0" x 42'-0" R.C. BOX STORM DRAIN

CONSTRUCT 43'-0" x 43'-0" R.C. BOX STORM DRAIN

CONSTRUCT 44'-0" x 44'-0" R.C. BOX STORM DRAIN

CONSTRUCT 45'-0" x 45'-0" R.C. BOX STORM DRAIN

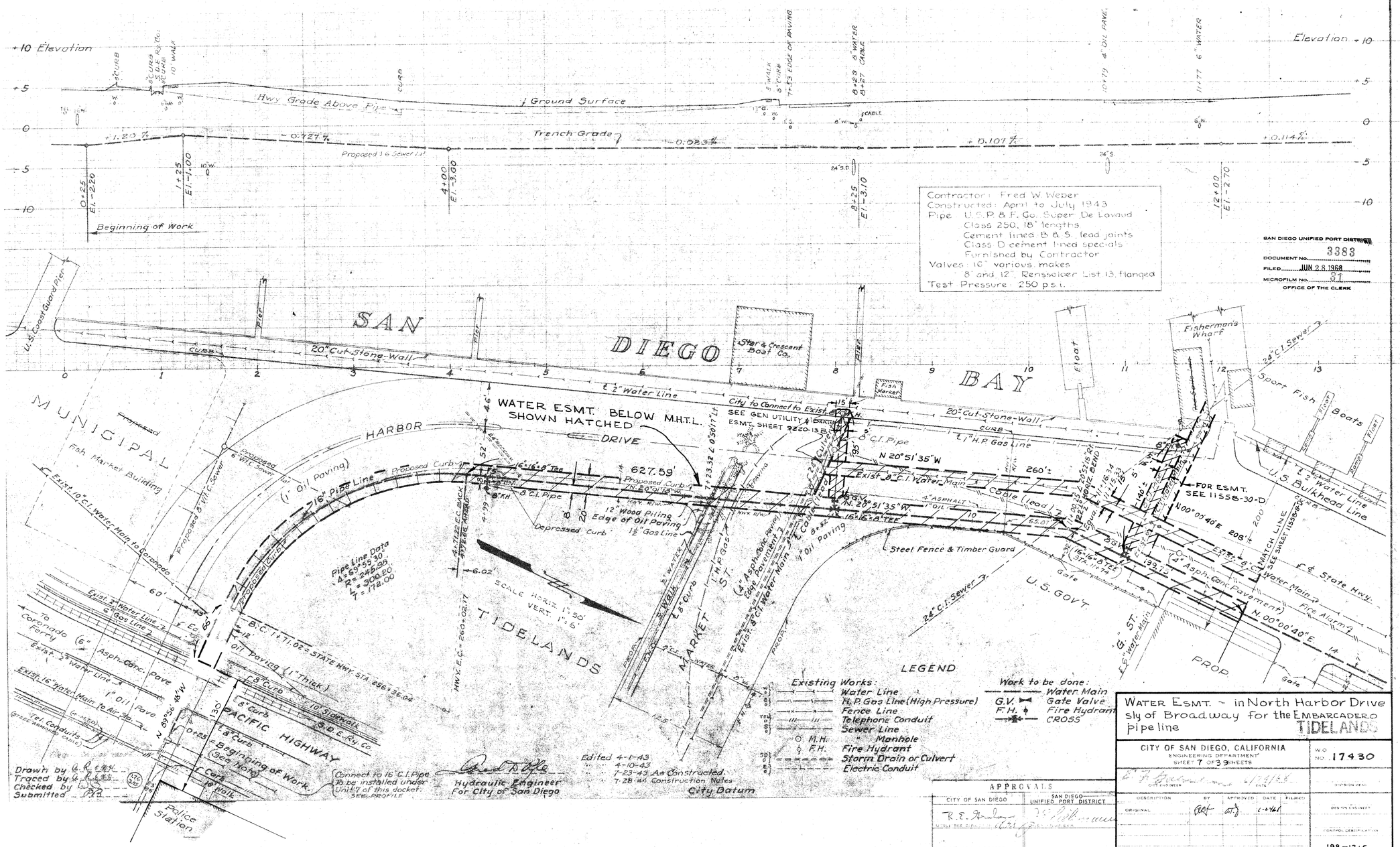
CONSTRUCT 46'-0" x 46'-0" R.C. BOX STORM DRAIN

CONSTRUCT 47'-0" x 47'-0" R.C. BOX STORM DRAIN

CONSTRUCT 48'-0" x 48'-0" R.C. BOX STORM DRAIN

CONSTRUCT 49'-0" x 49'-0" R.C. BOX STORM DRAIN

CONSTRUCT 50'-0" x 50'-0" R.C. BOX STORM DRAIN



WATER ESMT. ~ in North Harbor Drive s/y of Broadway for the EMBARCADERO pipe line

TIDELANDS

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 7 OF 39 SHEETS

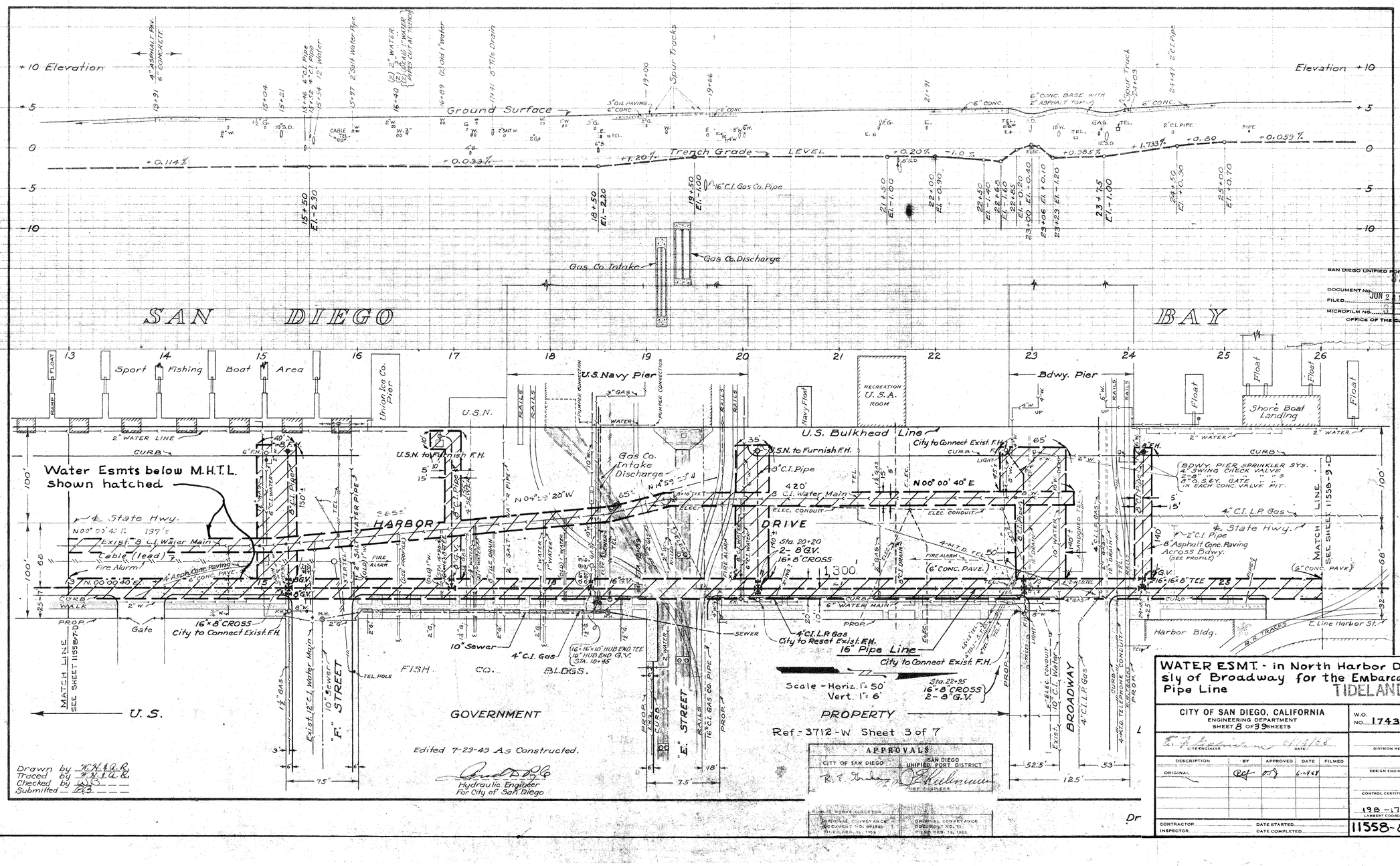
W.O. NO. 17430

DESCRIPTION | BY | APPROVED | DATE | FILM NO.
ORIGINAL | | | 6-1-43 |

198-1715

11558-7-D

REF 3712-2-W



SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 5383
FILED JUN 2 2 1968
MICROFILM NO.
OFFICE OF THE CLERK

WATER ESMT. - in North Harbor Drive sly of Broadway for the Embarcadero Pipe Line

TIDELANDS

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 8 OF 39 SHEETS

W.O. NO. 17430

CITY ENGINEER ____ DATE ____

DIVISION HEAD

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	Ref	DCJ	6-4-68	

DESIGN ENGINEER

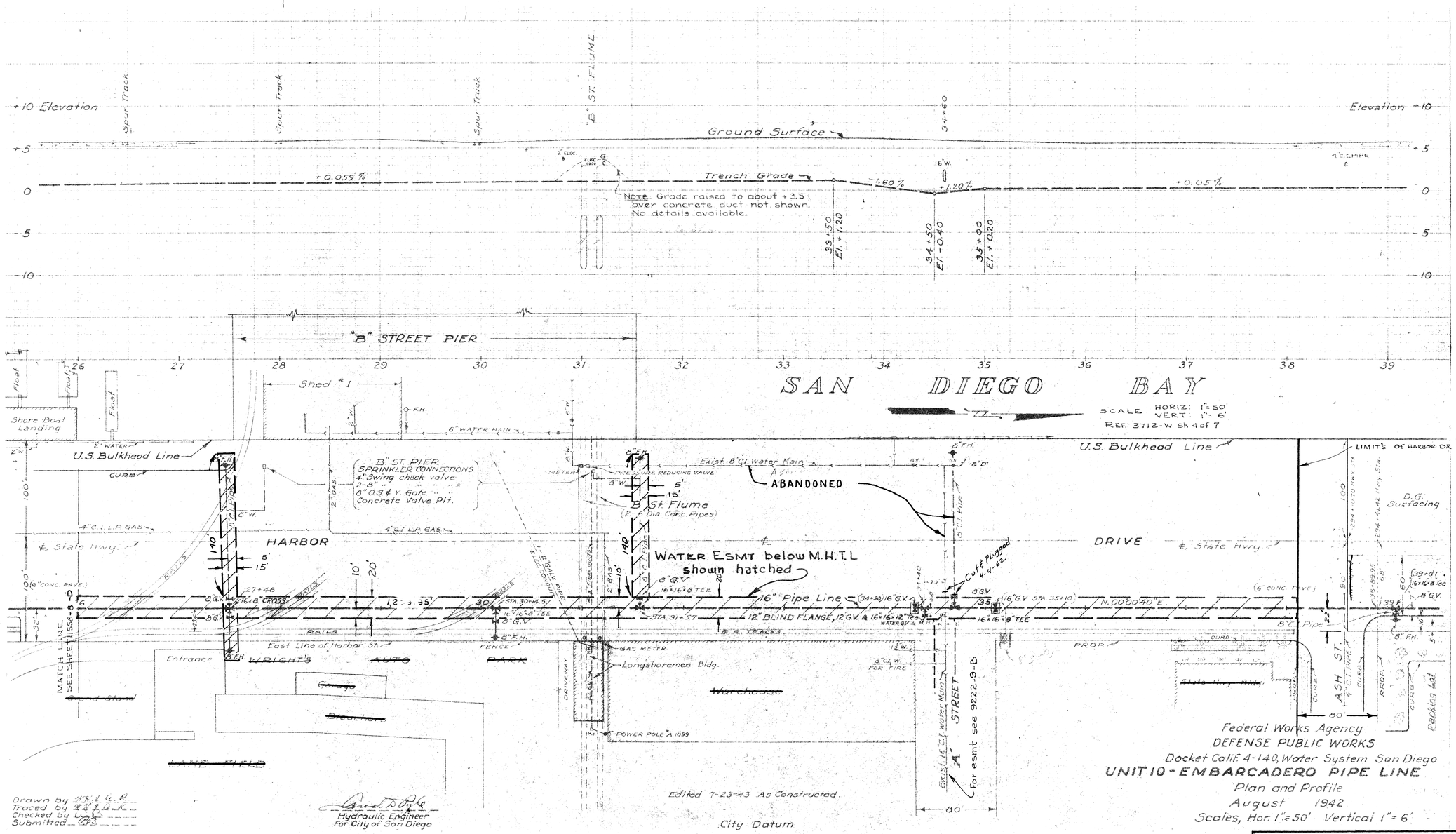
CONTROL CERTIFICATION

198-1715
LAMBERT COORDINATES

CONTRACTOR ____ DATE STARTED ____

INSPECTOR ____ DATE COMPLETED ____

11558-8-D



Federal Works Agency
DEFENSE PUBLIC WORKS
Docket Calif. 4-140, Water System San Diego

UNIT 10 - EMBARCADERO PIPE LINE

Plan and Profile
August 1942
Scales, Hor. 1"=50' Vertical 1"=6'

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT No. 3383
FILED JUN 28 1968
MICROFILM No. 31
OFFICE OF THE CLERK

WATER ESMT. - in North Harbor Drive sly of Broadway For the EMBARCADERO pipe line
TIDELANDS

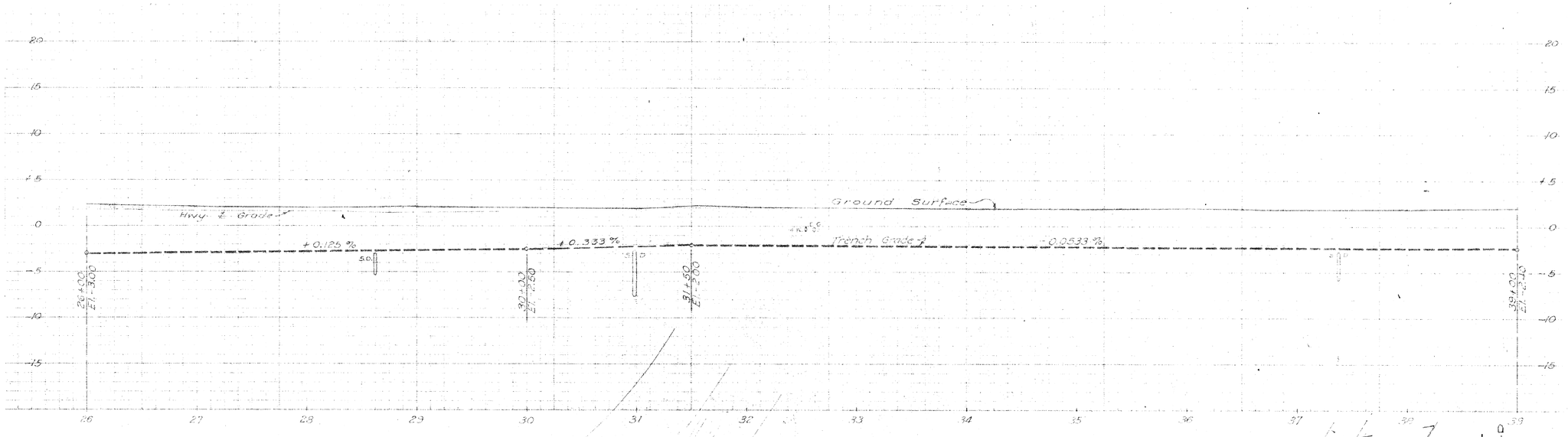
CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 9 OF 39 SHEETS
W.O. NO. 17430

APPROVALS

CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
R. E. Shaba, UTILITIES DIRECTOR	L. J. Peterman, CHIEF ENGINEER
PUBLIC WORKS DIRECTOR	
ORIGINAL CONVEYANCE DOCUMENT NO. 93281 FILED FEB. 15, 1943	ORIGINAL CONVEYANCE DOCUMENT NO. 71 FILED FEB. 1962

DESCRIPTION	BY	APPROVED	DATE	FILM NO.
ORIGINAL				

DIVISION ENGINEER
CONTRACT DESIGNATION
202-1715
CONTRACT NUMBER
CONTRACTOR
INSPECTOR
DATE STARTED
DATE COMPLETED
11558 9-D



SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3388
FILED JUN 28 1968
MICROFILM NO.
OFFICE OF THE CLERK

Federal Works Agency
DEFENSE PUBLIC WORKS
Docket Calif. 4110, Water System, San Diego
UNIT 7 - HARBOR FRONT PIPE LINE
Plan and Profile
April 1942
Scales, Hor. 1"=50' Vertical 1"=6'

LEGEND
Water Line
Sewer Line
S.D. = St. Sewer
F.H. = Fire Hydrant
G.V. = Gate Valve
A.C. = Asphaltic Concrete

Field Books 631, 667, 668

Ref. Dwg.
3709-W 6 of 23

Revised 10-6-42 | 6 | Line & Grade
4-19-43 | 6 | As Constructed.

Drawn by [illegible]
Traced by [illegible]
Checked by [illegible]
Submitted [illegible]

Hydraulic Engineer
For City of San Diego

APPROVALS

CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

WATER ESMT. - swly of 5th Ave & Harbor Drive TIDELANDS

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 10 OF 39 SHEETS

W.O. NO. 17430

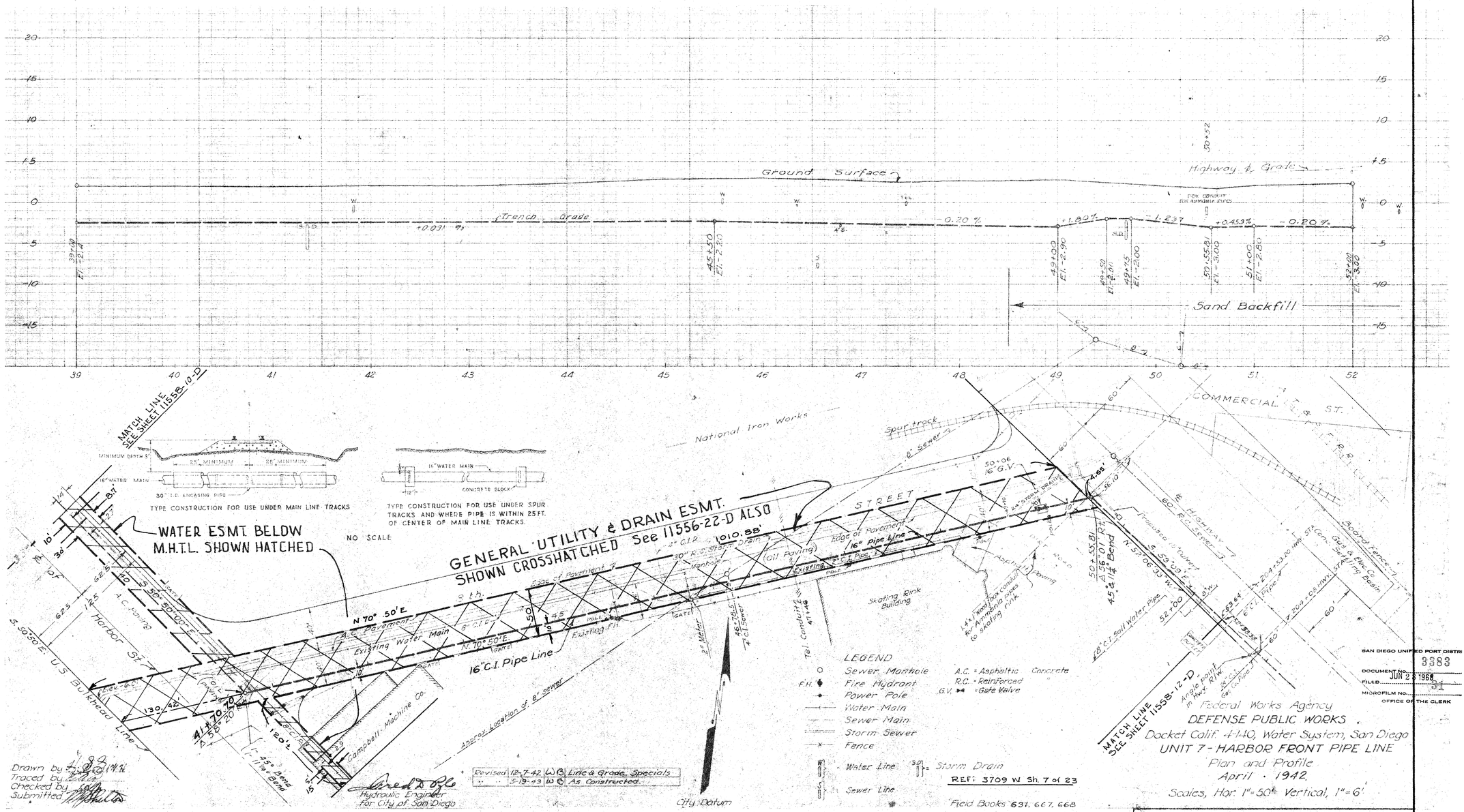
[illegible] 6/24/68
RECOMMENDED — DATE — DIVISION HEAD

DESCRIPTION	BY	APPROVED	DATE	FILED
ORIGINAL	[illegible]	[illegible]	6-24-68	

DESIGN ENGINEER
CONTROL CERTIFICATION
194-1719
ASSISTANT COORDINATES

CONTRACTOR
INSPECTOR
DATE STARTED
DATE COMPLETED

11558-10-D



SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3383
FILED JUN 23 1968
MICROFILM NO. 34
OFFICE OF THE CLERK

APPROVALS

CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
R. E. Hedman, UTILITIES DIRECTOR	E. H. Wellman, CHIEF ENGINEER
PUBLIC WORKS DIRECTOR	
ORIGINAL CONVEYANCE DOCUMENT NO. 651833 FILED FEB. 21, 1963	ORIGINAL CONVEYANCE DOCUMENT NO. 71 FILED FEB. 19, 1963

WATER ESMT. - Bet. 6TH St & 8TH St. sly of Harbor Drive, below M.H.T.L.
TIDELANDS

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 11 OF 39 SHEETS

W.O. NO. 17430

E. G. Fuhrmann 6/29/68
CITY ENGINEER DATE

DIVISION HEAD

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL			6-1968	

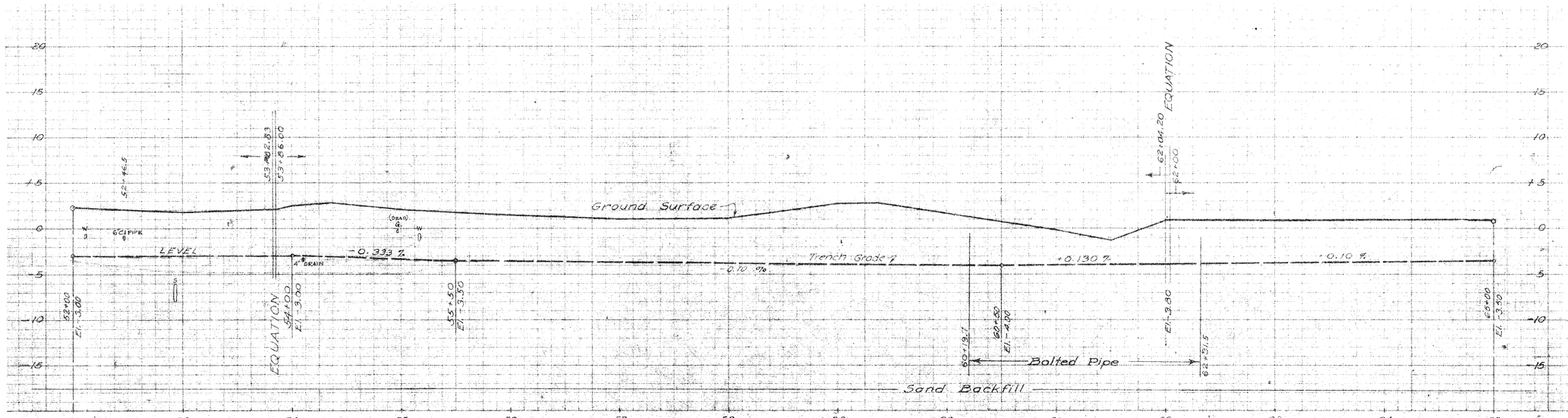
DESIGN ENGINEER

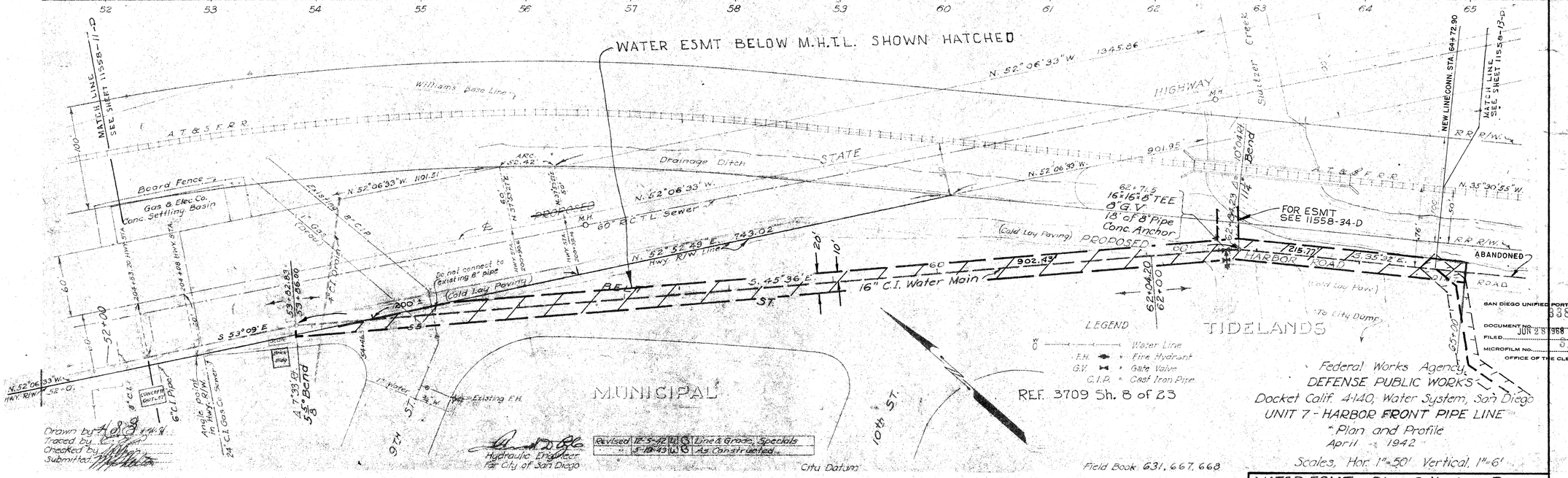
CONTROL CERTIFICATION

194-1719
STREET CONTROLS

CONTRACTOR
INSPECTOR
DATE STARTED
DATE COMPLETED

11558-11-D





APPROVALS	
CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
R. T. Brake UTILITIES DIRECTOR	J. F. Butterworth CHIEF ENGINEER
PUBLIC WORKS DIRECTOR	
ORIGINAL CONVEYANCE DOCUMENT NO. 631332 FILED FEB. 15, 1943	ORIGINAL CONVEYANCE DOCUMENT NO. 71 FILED FEB. 15, 1969

WATER ESMT. - Sly of Harbor Drive from 9th St. ely to Switzer Creek, below M.H.T.L. TIDELANDS

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 12 OF 39 SHEETS

W.O. NO. 17430

E. J. Bodenlos 6/24/68
CITY ENGINEER — DATE — DIVISION HEAD

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	RSH	OTF	6-24-68	

DESIGN ENGINEER

CONTROL CERTIFICATION

194 - 1721
LAMBERT COORDINATES

CONTRACTOR
INSPECTOR
DATE STARTED
DATE COMPLETED

11558-12-D

FUTURE R.R. TRACKS

FUTURE S.P. TRACK

GROUND LINE

3'-6" OVER I.D. CRUSHED ROCK

EXIST. 16"C.I. (TO BE ABANDONED)

EXIST. 16"C.I.

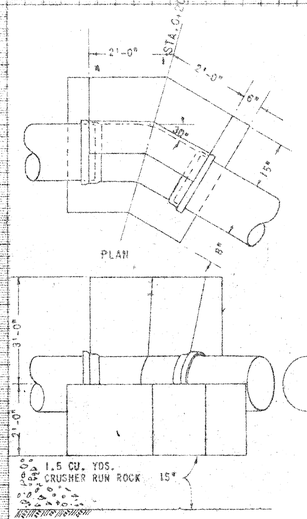
LEVEL

BOTTOM OF PIPE

36" CASING

96" CASING

SCALE: 1" = 50' Horizontal
1" = 6' Vertical



ANCHOR DETAIL FOR 30° BEND & BEGIN WORK

HARBOR FRONT 16" A.C. PL.

MATCH LINE Sheet 11558-12-D

FURNISH & INSTALL, BY CITY:- STA. 0+20.00 Rt.
1-16" 22½° BEND
13'± Rt. CONN.
TOXIC C.V. (BY CONTR.)
PLUG 16" I.D. V.V.
& REMOVED EXIST. 16" G.V.

1-16"A.C. ADAPTER
1-16"A.C. COLLAR
11.5'± OF 16"A.C. PIPE
1-16"A.C. COLLAR

A.C. PAVEMENT

R.R. TRACKS (UNDER CONSTR.)

S 34°55'W 78.6'

S 10°05'E 247.05'

S 10°05'E 30.0'

S 32°35'E

FURNISH & INSTALL, BY CONTR.:- STA. 2+32.10 Rt.
1-16"C.V. (RCP12.W/TOXY BY PASS) (RICH)
STA. 2+40.
1-16"45° BEND
STA. 2+40.6
A.P. △= 44°22'45" Lt. (FIELD ADJUST)
1-16"45° BEND

FURNISH & INSTALL, BY CONTR.:- STA. 3+65.65 (FIELD ADJUST)
A.P. △= 44°22'45" Rt. (FIELD ADJUST)
1-16" 45° BEND

CONTRACTOR NOTE - INSTALL 12 GAUGE COPPER WIRE FULL LENGTH OF JOB

WATER ESMT. below M.H.T.L. shown hatched

10'

20'

EXIST. FENCE

S 34°55'W 368.62

S 55°05'E 365.73'

CONCR. GUTTER

STORM DRAIN

EXIST. R.R. TRACK

ELEC'L. DUCT

FURNISH & INSTALL, BY CONTR.:- STA. 7+31.278 BK. = 7+57.98 AH.
A.P. △= 90°00' Lt.
1-16"30° BEND

MATCH LINE SEE Sh 11558-14-D STA. 11+00

28" I.D. Steel Casing Pipe, 5/16" Thick

18"A.C. Pipe

DETAIL OF STEEL CASING ENCASEMENT
No Scale

NOTE:- 1. Steel Casing to be jacked under R.R. Tracks to the satisfaction of the A.T.& S.F. R.R.

2. Center pipe using steel spacers, Pilco 505 or equal. Use two per pipe length, at 1/5 points.

3. Cap ends with sleeve type casing seals Pilco 860 or equal.

SCALE: 1" = 50'

AS BUILT DATA

CONSTRUCTED BY:- AL RILEY
W.O. 22374 (CONSTR.), W.O. 48304 (ENGR.).
PIPE: J.M. RING-TITE (Kind)
GATE VALVES: Rich & Mueller (Kind)
SOIL: Sandy (Kind)
STAKED: 3-14-63 (Date)
TESTED: 4-22-63 (Date)
BACKFILL: Native (Kind)
NOTE: Include "CONSTRUCTION RECORD".
CONNECTIONS BY:- CITY FORCE.
W.O. 22375
PIPE: 16" A.C.
GATE VALVES: None

BENCH MARKS: (City Datum)
B.M.: H.W. B.P. - Dewey & Logan Sts. EL. 48.96
T.B.M.: Cut in Center Concr. Vault STA. 0+37 29'Rt. EL. 2.27
T.B.M.: P.K. in P. pole #657526H STA. 2+42 10' Ft. EL. 5.12

REFERENCES:
Water Rk. II, Shts. G-23-C.D, G-24-B.
Gt. Bk. A-614.
315-D (R.R. Layout)
Harbor Dept. Plot Plan (Near Skyview)
L-50-25184 (A.T.& S.F. R.R.)
206-D-2 (Sewer, Harbor Dept.)
8294-W (Water)
Field Notes: G-23.A,B,C,D.
Dwg. D.P.K.-7 (Harbor Front P.L.)
Dwg. 206-D-2 (Sewer, Harbor Dept.)
RETIREMENT:
1928' of 16" C.I. (1942)
3-16" G.V.'s (1942)
600'± of 6"C.I. (1941)
2-6" G.V.'s (1941)
1-6" G.V. (1959)
1-6" Reg. Valve (1941)
2-6" F.H.S.F.H. Servs. (1942)

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3389
FILED JUN 28 1968
MICROFILM NO. 51
OFFICE OF THE CLERK

REF. DWGS
10735-2-AD
3709 W Sh 8 of 23

APPROVALS

CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
R. E. Graham (ASSISTANT) DIRECTOR OF PUBLIC WORKS	J. P. Patterson CHIEF ENGINEER
PUBLIC WORKS INSPECTOR	

WATER ESMT. - From Switzer Creek to Beardsley St., below M.H.T.L.

TIDELANDS

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 13 OF 39 SHEETS

W.O. NO. 17430

CITY ENGINEER — 6/24/68 DATE — DIVISION HEAD

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	RDJ	[illegible]	6-24-68	

DESIGN ENGINEER

CONTROL CERTIFICATION

196-1721 LAMBERT COORDINATES

CONTRACTOR
INSPECTOR
DATE STARTED
DATE COMPLETED

11558-13-D

BEARDSLEY STREET

DANGER ELEC. DUCT

DANGER 8" OIL LINE

DANGER VARIOUS GAS & OIL LINES

3"A.C. Pav't. Over 9" Crushed R...k

EXIST. 6"C.I.

GROUND LINE

EXIST. ELECT. DUCT 1.2'x 1.5'

LEVEL

4% GRAD.

8" Sewer El. -2.3 △ Concr. Supports per Std. Dwg. S-21-67

BOTTOM OF PIPE

LEVEL

21"R.C.P. Drain El. 4.5

Provide 3" Min. Sand Cushion

4"A.C. Pav't.

27' ±RDWY.

RIP. TRACKS

12"x24" BOW CULV. EL. 0.90 ±

8" Oil Line El.

Conc. Encas.

STEEL ENCAS. SEE DETAIL ON SHT. 2

EXIST. 16" C.I. EL. 4.6 △

SCALE: 1" = 50' Horizontal
1" = 5' Vertical

CITY NOTE:
SALVAGE FIRE HYDRANTS ON PORTION OF 16"C.I. WATER MAIN TO BE ABANDONED - CUT & PLUG SERVICE A MINIMUM OF 12" BELOW GROUND REMOVE G.V. CAP & PATCH PAVEMENT
SALVAGE 16" G.V.'S, TAPPING VALVES, & REGULATOR ETC., IF NECESSARY
ABANDON 6" W.M. NW'LY OF BEARDSLEY ST. BY CLOSING G.V. SEE CALLOUT

WATER ESMT. below M.H.T.L. shown hatched

MATCH LINE See Sheet 11558-13-D

STA. 14+00

S 55° 05' E

20' 10' 5'

352'

ELECT. CABLE

CONCR. GUTTER

STORM DRAIN

A.C. PAVEMENT

R.R. TRACK

FURNISH & INSTALLED BY CONTR: STA. 14+52 1-16"22½° BEND

R=1000' Δ=3°36'30" L=60.36' L=101.70'

TRANSFORMER HOUSE

JUNCTION HOUSE

6"C.I.W.M.

EXIST. ELECT. DUCT

CONCR. SUPPORTS FOR CONVEYOR △

A = 42°
R = 282
L = 206.72

6"C.I.W.M.

S 39° 50' E 1285

FURNISH & INSTALL BY CONTR: STA. 17+00 CO. IN! A.P. △ = 21°07½' Lt. 1-16" 22½° BEND

STA. 17+72 1-16" HORIZONTAL GATE VALVE WITH 3" BY-PASS (MUELLER) △

E.C. 16"C.I.W.M.

Conc. Gutter

REF. DWG. 14307-L Sh. 4 of 12 10735-3-D

S 54°27'E 14.20'

STA. 18+10.34 A.P. △ = 9°24½' Lt.

S 60°51'E 50.00'

STA. 18+60.34 A.P. △ = 7°29½' Lt.

S 60°51'E 40.00'

STA. 19+10.34 A.P. △ = 5°34' Lt.

S 75°15'E 50.00'

STA. 19+60.34 A.P. △ = 3°38½' Lt.

S 81°39'E 40.00'

STA. 20+00.34 P.I. △ = 1°43' Lt.

S 84°55'W 150'±

21" R.C.P. DRAIN

STA. 22+47 1-16"90° BEND

FURNISH & INSTALLED BY CONTR: STA. 22+27 1-16"90° BEND

C.R.R. TRACK

SCALE: 1" = 50'

EQUATION = 23+91 BACK = 23+65 AHEAD

FD. = 23+01 BACK = 23+65 AHEAD

25+12± END CONTR.

25+17± END WORK

1-16"A.C. COLLAR
2'OF 16"A.C. PIPE
1-16"A.C. COLLAR △
1-16"A.C. ADAPTER △

FURNISH & INSTALL BY CITY: STA. 25+17± △ 1-16" 22½° BEND CONN. TO EXIST. 16"C.I. PLUG 16"C.I. NW'LY.

2 - 2"
2 - 4"
7 - 6"
1 - 8"
1 - 10"

13 OIL & GAS LINES △

VARIOUS GAS & OIL LINES

FUTURE R.R. TRACK & RAMP

RETAINING WALL

MEAN HIGH TIDE LINE

WILLIAMS BASE LINE

HARBOR DEPT. PROPERTY

RAILWAY COMPANY PROPERTY

8" Off Line

8" OIL LINE

Steel Encas. See Detail on Sht. 2

FURNISH & INSTALLED BY CONTR: STA. 23+63 1-16"45° BEND STA. 23+91 1-16"45° BEND

City Close G.V. 12"x24" Box Culvert

S.E'ly. Ext. P.L. of Beardsley

N 600 or 33400

G.V.

6" C.I. Water

16" C.I. Water

Exist. R.R. Tracks

Exist. P.L.

Corrugated Iron Stag.

PUMP STA.

BEARDSLEY STREET

FOR BENCH MARK (City Datum) REFERENCES & AS BUILT DATA SEE SHT. 2

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3383
FILED JUN 28 1968
MICROFILM NO. 3371
OFFICE OF THE CLERK

WATER ESMT. From Switzer Creek to Beardsley St., Continued, below M.H.T.L.

TIDELANDS

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 14 OF 39 SHEETS

W.O. NO. 17430

CITY ENGINEER — DATE — DIVISION HEAD

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	RCL	[illegible]	6/24/68	

DESIGN ENGINEER

CONTROL CERTIFICATION

194 - 1721
LAMBERT COORDINATES

CONTRACTOR
INSPECTOR
DATE STARTED
DATE COMPLETED

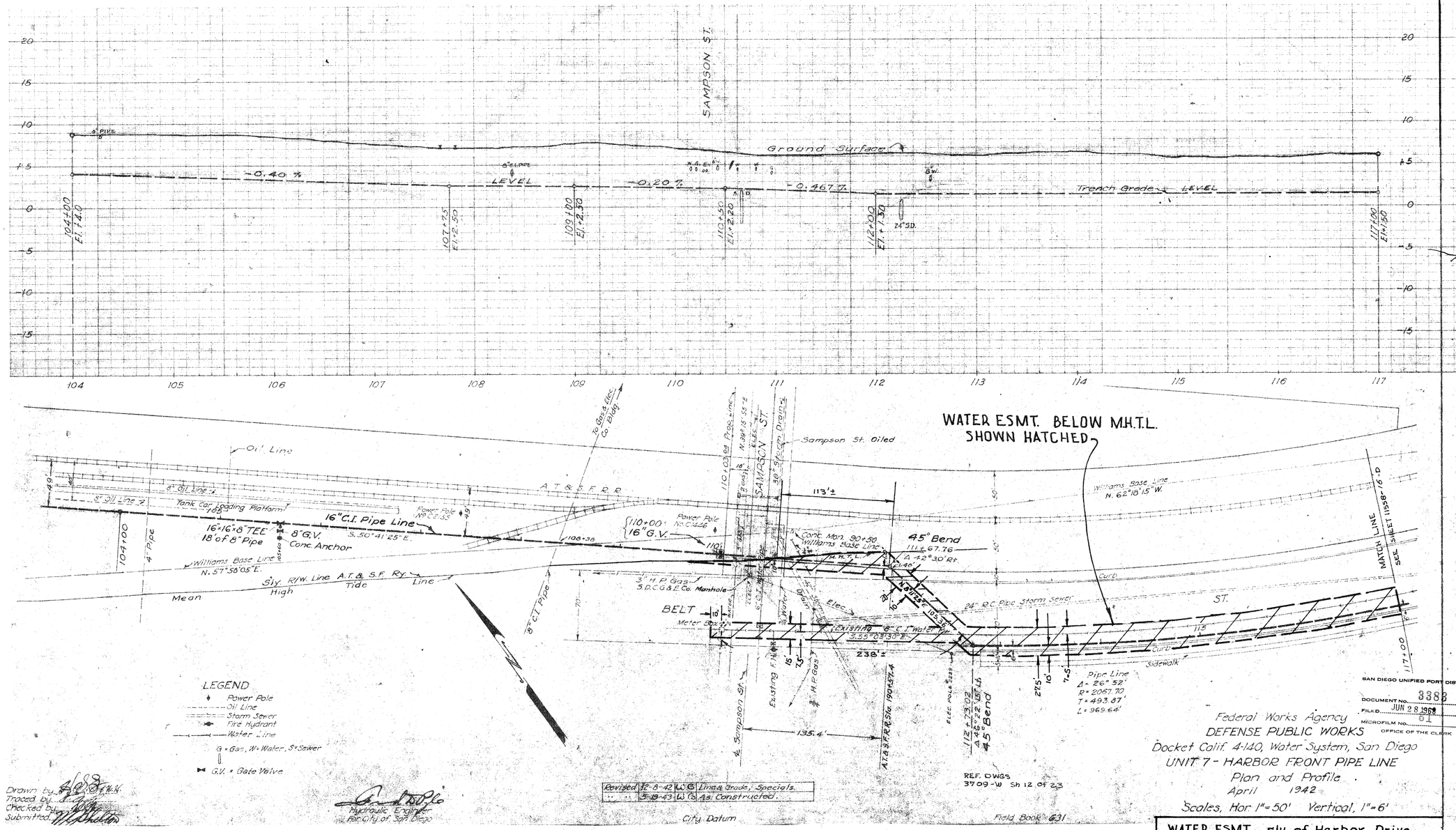
11558-14-D

APPROVALS

CITY OF SAN DIEGO
UTILITIES DIRECTOR
PUBLIC WORKS DIRECTOR
ORIGINAL CONVEYANCE

SAN DIEGO UNIFIED PORT DISTRICT
ORIGINAL CONVEYANCE

HARBOR FRONT 16"A.C. PL.



Drawn by A.G.S. & W.M.
Traced by
Checked by
Submitted W.M. Butler

Hydraulic Engineer
for City of San Diego

Federal Works Agency
DEFENSE PUBLIC WORKS
Docket Calif. 4-140, Water System, San Diego
UNIT 7 - HARBOR FRONT PIPE LINE
Plan and Profile
April 1942
Scales, Hor. 1"=50' Vertical, 1"=6'

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3383
FILED JUN 28 1968
MICROFILM NO. 61
OFFICE OF THE CLERK

WATER ESMT. sly of Harbor Drive between Sampson St. & Sicard St. below M.H.T.L. (TIDELANDS)

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 15 OF 39 SHEETS

W.O. NO. 17430

R. E. Graham 6/24/68
CITY ENGINEER DATE

DIVISION HEAD

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	R.C.J.	O.K.	6-27-68	

DESIGN ENGINEER

CONTROL CERTIFICATION

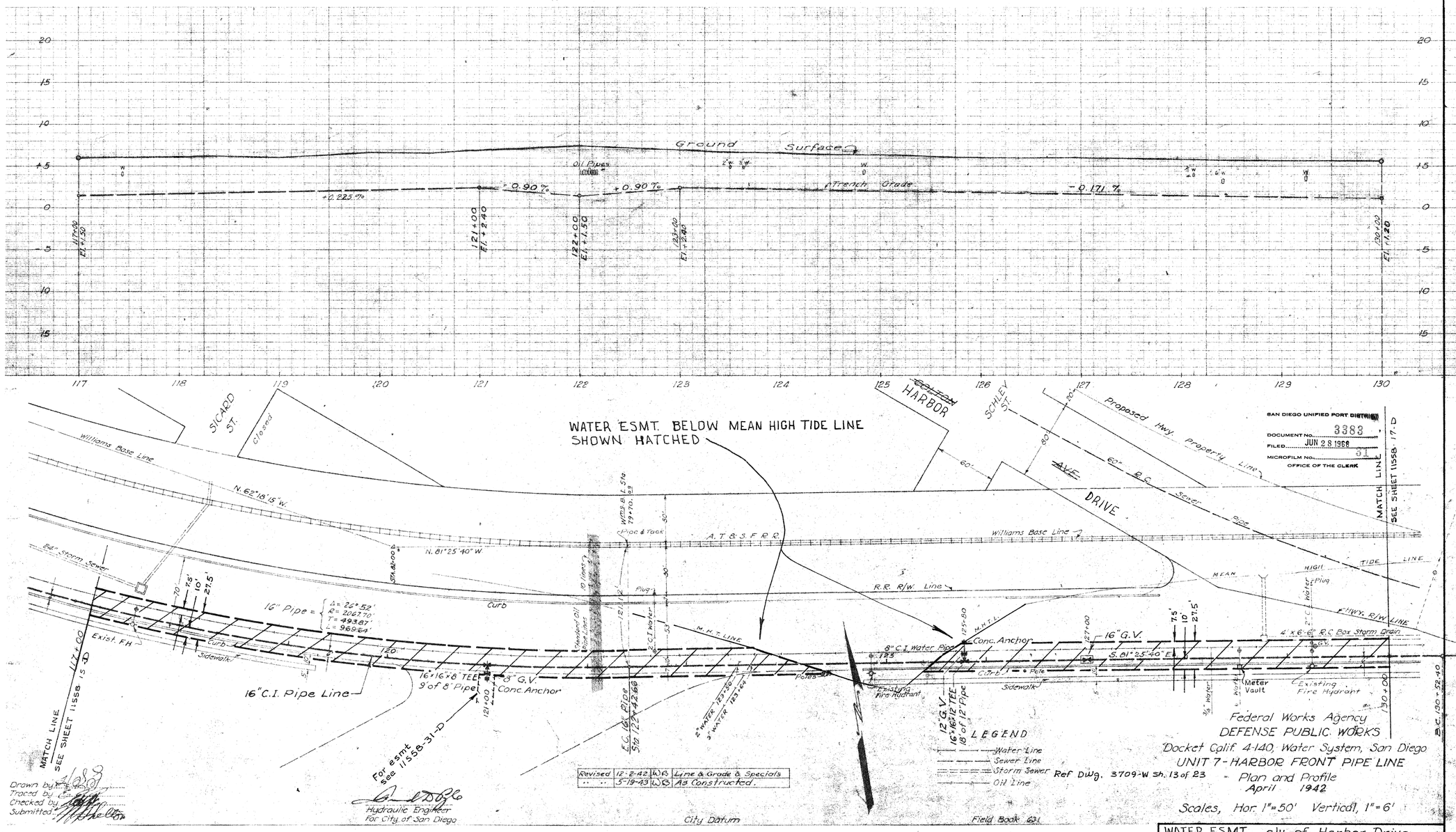
192-1725
LAMBERT COORDINATES

CONTRACTOR
INSPECTOR
DATE STARTED
DATE COMPLETED

11558-15-D

APPROVALS

CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
R. E. Graham 6/24/68 UTILITIES DIRECTOR	CHIEF ENGINEER
PUBLIC WORKS DIRECTOR	
ORIGINAL CONVEYANCE DOCUMENT NO. 139849 FILED FEB. 13, 1953	ORIGINAL CONVEYANCE DOCUMENT NO. 71 FILED FEB. 13, 1962



APPROVALS

CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
R. E. Tudor, UTILITIES DIRECTOR	J. Wellemeyer, CHIEF ENGINEER
PUBLIC WORKS DIRECTOR	
ORIGINAL CONVEYANCE DOCUMENT NO. 451833 FILED FEB. 13, 1963	ORIGINAL CONVEYANCE DOCUMENT NO. 71 FILED FEB. 13, 1963

WATER ESMT. sly. of Harbor Drive from Sicard St. to 500' Ely of Schley St.
TIDELANDS

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 16 OF 39 SHEETS

W.O. NO. 17430

E. A. Galvanson 6/24/68
CITY ENGINEER DATE

DIVISION HEAD

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	RCL	[illegible]	6-24-68	

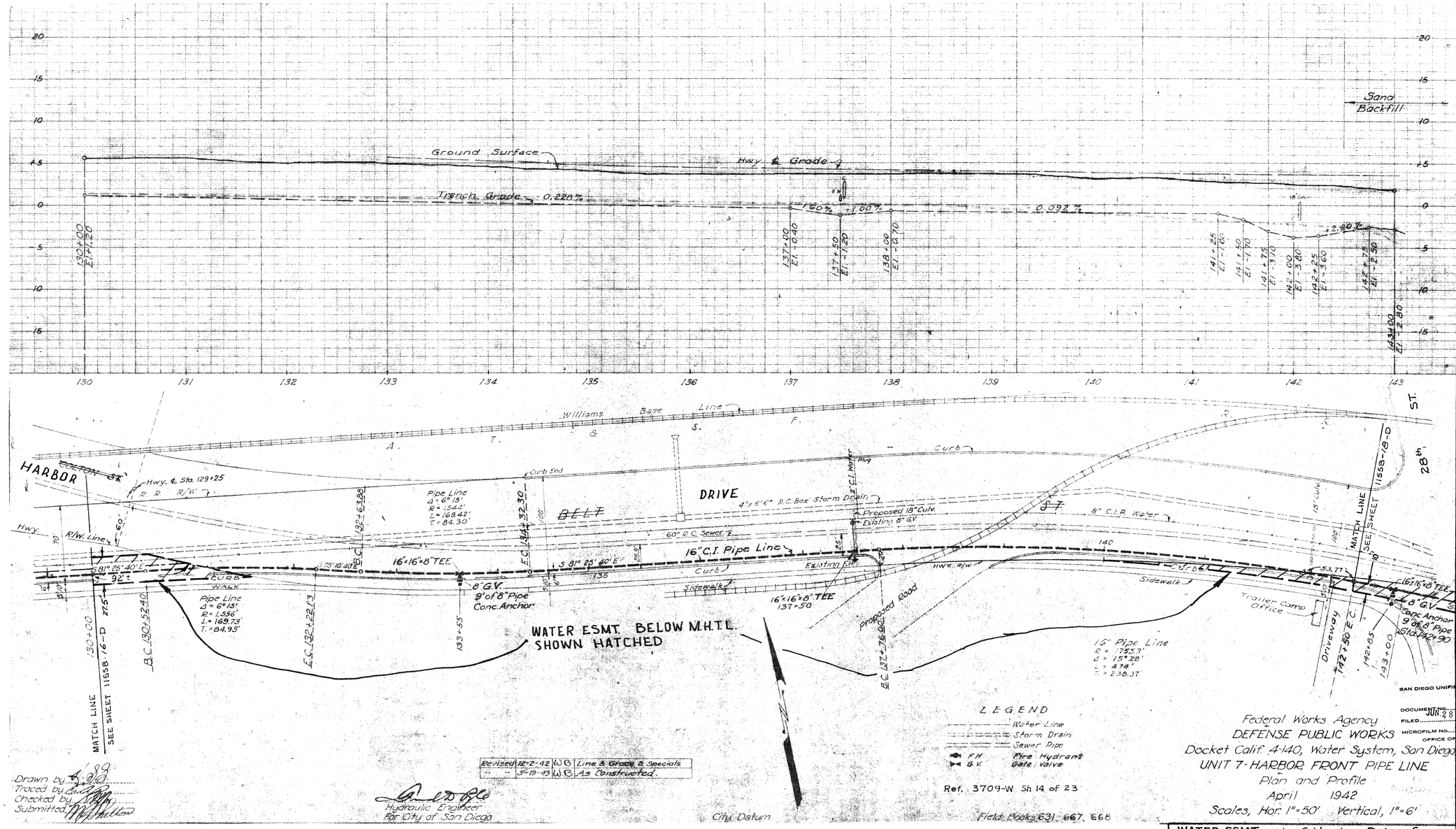
DESIGN ENGINEER

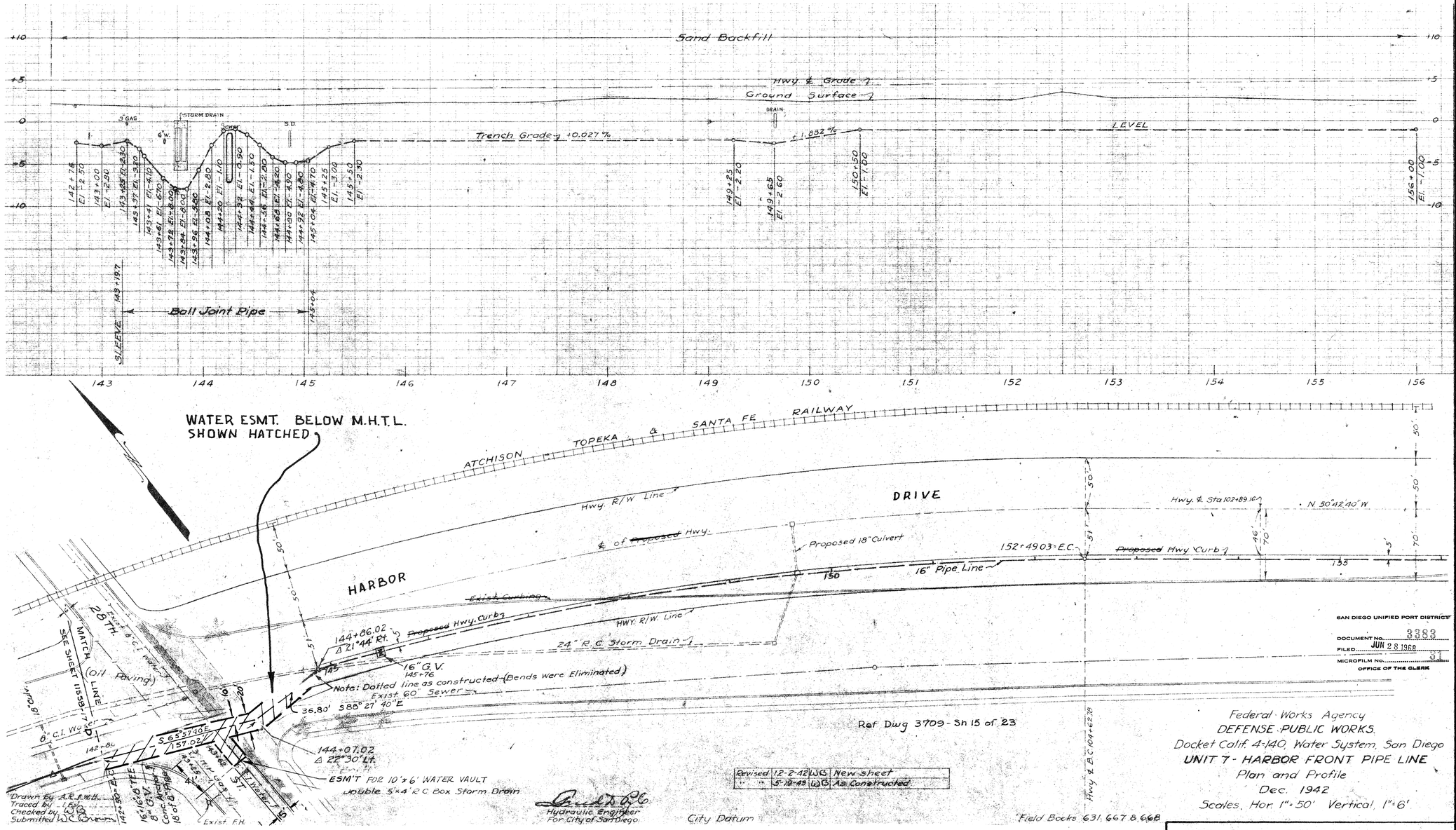
CONTROL CERTIFICATION

192-1725
LAMBERT COORDINATES

CONTRACTOR
INSPECTOR
DATE STARTED
DATE COMPLETED

11558-16-D


Ground Surface
Hwy. & Grade
Trench Grade
Sand Backfill
0.228%
1.60%
1.00%
0.392%
2.40%
Williams Base Line
A. T. & S. F.
HARBOR DRIVE
Curb End
Pipe Line Δ = 6° 15' R = 154.1' L = 168.42' T = 84.30'
4'x 5'6" R.C. Box Storm Drain
Proposed 18" Culv.
Existing 8" G.V.
8" C.I.P. Water
60" R.C. Sewer
16"x16"x8" TEE
16" C.I. Pipe Line
8" G.V.
8' of 8" Pipe Conc. Anchor
WATER ESMT. BELOW M.H.T.L. SHOWN HATCHED
Pipe Line Δ = 6° 15' R = 1,556' L = 169.73' T = 84.95'
16" Pipe Line R = 1755.3' Δ = 15° 28' L = 474' T = 238.3'
Proposed Road
Trailer Camp Office
Driveway
Sidewalk
Curb
Walk
MATCH LINE SEE SHEET 11558-16-D
MATCH LINE SEE SHEET 11558-18-D
Hwy. & Sta. 129+25 R.R. R/W
R/W. Line
Hwy.
28th St.
Schley St.
130+00 E.P.C.
131+00 E.P.C.
137+00 E.P.C.
137+50 E.P.C.
138+00 E.P.C.
141+25 E.P.C.
141+75 E.P.C.
142+00 E.P.C.
142+25 E.P.C.
143+00 E.P.C.
B.C. 130+52.40
E.C. 132+22.13
B.C. 132+44.43
E.C. 133+32.30
B.C. 137+76.00
133+55
135
140
142+50 E.C.
142+85
S 91° 25' 40" E
S 92°
S 91° 25' 40" E
275'
53.77'
Hwy. R/W
Existing 8" G.V.
Existing 8" C.I.P.
Existing 8" C.I. Water Plug
Existing 18" Culv.
16"x16"x8" TEE Hwy. R/W
8" G.V. Conc. Anchor 9 of 8" Pipe
Sta. 142+90
63.37'
16"x16"x8" TEE 137+50
Hwy. R/W
Curb
Sidewalk
Curb
Curb
Curb



Revised	12-2-42	W.G.	New Sheet
"	5-19-43	W.G.	As Constructed

Hydraulic Engineer
For City of San Diego

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT No. 3383
FILED JUN 28 1968
MICROFILM No. 3
OFFICE OF THE CLERK

Federal Works Agency
DEFENSE PUBLIC WORKS
Docket Calif. 4-140, Water System, San Diego
UNIT 7 - HARBOR FRONT PIPE LINE
Plan and Profile
Dec. 1942
Scales, Hor. 1"=50' Vertical 1"=6'

APPROVALS	
CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
R. E. Graham, UTILITIES DIRECTOR	J. F. Williamson, CHIEF ENGINEER
PUBLIC WORKS DIRECTOR	
ORIGINAL CONVEYANCE DOCUMENT NO. 61383 FILED FEB. 16, 1953	ORIGINAL CONVEYANCE DOCUMENT NO. 71 FILED FEB. 13, 1953

WATER ESMT. - Sly of 28TH & Harbor Drive Below M.H.T.L. TIDELANDS

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 18 OF 39 SHEETS

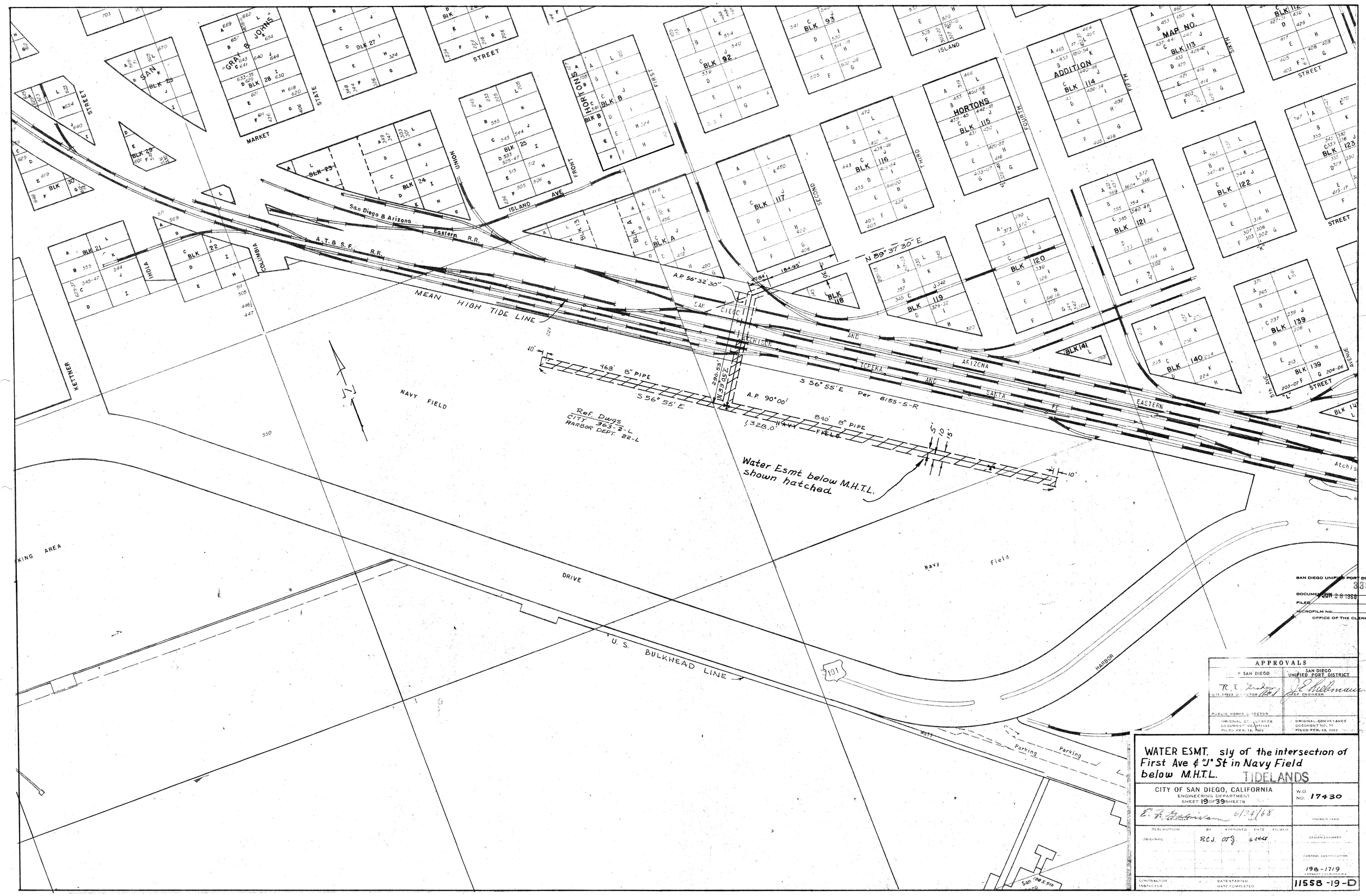
W.O. NO. 17430

E. F. Galvin, CITY ENGINEER 6/24/68 DATE

DESCRIPTION	BY	APPROVED	DATE	FILED
ORIGINAL	R.C.J.	[illegible]	6-24-68	

DIVISION HEAD
DESIGN ENGINEER
CONTROL CERTIFICATION
190 - 1727 LAMBERT COORDINATES
CONTRACTOR DATE STARTED
INSPECTOR DATE COMPLETED

11558-18-D



APPROVALS	
P. SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
R. E. Sunday UTILITIES DIRECTOR	J. E. Hellmuth CHIEF ENGINEER
PUBLIC WORKS DIRECTOR	
ORIGINAL CONVEYANCE DOCUMENT NO. 125933 FILED FEB. 18, 1963	ORIGINAL CONVEYANCE DOCUMENT NO. 71 FILED FEB. 13, 1963

WATER ESMT. sly of the intersection of First Ave & "J" St in Navy Field below M.H.T.L. TIDELANDS

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 19 OF 39 SHEETS

W.O. NO. 17430

E. E. Hanson 6/24/68
ENGINEER DATE

DIVISION HEAD

DESCRIPTION	BY	APPROVED	DATE FILED
ORIGINAL	R.C.J.	O.K.J.	6-24-68

DESIGN ENGINEER

CONTROL CERTIFICATION

198-1719
LAMBERT COORDINATES

CONTRACTOR
INSPECTOR

DATE STARTED
DATE COMPLETED

11558-19-D

U. S. M. C. R. D. BOUNDARY LINE

MEAN HIGH TIDE LINE

231

22'

230

RUNWAY

U.S.M.C.R.D. WATER METER

15'
10'
5'

MUNICIPAL AIRPORT
LINDBERGH FIELD

FOR ESMT SEE 11558-3-D

2156

Water Esmt. below M.H.T.L. shown hatched
REF 11558-3-D

16" C.I WATER FOR ESMT SEE 11558-26-D

RUNWAY

TAXIWAY

32°44'15"

32°44'00"

208N

207N

206 0000N

205N

SCALE 1"= 200'

N 06° 54' 00" E

AIR LANE (Not a City Street)

WAKE TAXIWAY (Not a City Street)

STILLWATER ROAD (Not a City Street)

WINSHIP LANE (Not a City Street)

16" C.I. WATER

S 89° 58' 55" W 2683.97'

NORTH HARBOR DRIVE

100'

100'

N 86° 26' 10" W 2586.07'

NORTH HARBOR DRIVE

LINDBERGH FIELD

32°43'45"

See Detail

COMBINED PIERHEAD

STA. 387+80.93 E.C.

STA. 384+62.09 B.C.

SEAPLANE BASE

BULKHEAD

U. S. COAST GUARD

ISLAND

HARBOR

CENTER HARBOR
EL. 9.24

DETAIL
SCALE 1"=100'

N'ly R/W Line

N 06° 54' 00" E 2156'

15'

Gate valve

16" C.I. Water

85'

Tangent

163.80'

N 86° 26' 10" W

100'

100'

℄

R = 5100'
Δ = 03° 34' 55"
T = 159.47'
L = 318.84'

Ref. Dwgs.
6155-8-R, 9-R, 10-R
40-L Sheet 11
6112-W Sheet 8
CITY SURVEY 206-1709, 6-1-66
CITY SURVEY 206-1709, 6-23-66

APPROVALS

CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
R. F. Dula, PUBLIC WORKS DIRECTOR	D. E. Kellermann, CHIEF ENGINEER
PUBLIC WORKS DIRECTOR	
ORIGINAL CONVEYANCE DOCUMENT NO. 631833 FILED FEB. 15, 1963	ORIGINAL CONVEYANCE DOCUMENT NO. 71 FILED FEB. 19, 1969

SAN DIEGO UNIFIED PORT DISTRICT
3003
DOCUMENT NO.
FILED JUN 28 1968
MICROFILM NO.
OFFICE OF THE CLERK

WATER ESMT-nly of North Harbor Dr. & Ely of Air Lane in Lindbergh Field (Tidelands) for Marine Corps Base

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 20 OF 39 SHEETS

W.O. NO. 17430

E. F. Gabrielson, ENGINEER 6/24/68 DATE

DIVISION HEAD

DESCRIPTION	BY	APPROVED	DATE	FILED
ORIGINAL	R.C.J.		6-24-68	

DESIGN ENGINEER

CONTROL CERTIFICATION
204-1707
LAMBERT COORDINATES

CONTRACTOR
INSPECTOR
DATE STARTED
DATE COMPLETED

11558-20-D

City of San Diego
Conveyances

City Doc. No. 224625 6/24/08

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT No. 3383
FILED JUN 28 1968 9 1
MICROFILM No.
OFFICE OF THE CLERK

Page 2 of 17

IMPORTANT:
Locate & expose all electric cables, tele-cables, lighting, etc..

Ground Line

6" A.C.

1" Oil Paving (broken and patched)

Level

12" C.I. Sewer

Bottom of Pipe

6" Asphalt Paving

Airport Light

0.08%

21" Sewer 5.8' Below Surface

Landing Strip

Water Esmt below M.H.T.L. shown hatched thus

BY CONTR:
STA. 8+80
1-16" 45° BEND. B&B
ANCHOR WITH 20 SQ. FT. OF BEARING SURFACE PLUS SHACKLE ASSEMBLY SHOWN ON SHEET 21

MATCH LINE
See Sheet 11558-22-D

RUNWAY
9" A.C.

S 55° 10' 05" E

N. 34° 15' 30" E.

819.76'

1" Oil Pavement

16" C.I.

6" Asphalt Paving

Sta. 2+60 Existing Gate Project

R=1910'

N. 75° 09' 55" E.

280.24'

High Voltage Electric Cables

Taxi Strip

MATCH LINE

21" Sewer

Old Taxi Strip

FOR ESMT SEE 11558-22-D

SCALE 1"=50'

Ref. Dwg. 6112-W Sh 3

LINDBERGH FIELD
City of San Diego

APPROVALS	
CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
R. E. Finley UTILITIES DIRECTOR	J. Wilkinson CHIEF ENGINEER
PUBLIC WORKS DIRECTOR	
ORIGINAL CONVEYANCE DOCUMENT NO. 65181 FILED FEB. 15, 1963	ORIGINAL CONVEYANCE DOCUMENT NO. 71 FILED FEB. 15, 1963

WATER ESMT. nly of North Harbor Drive & wly of Laurel Street, in Lindbergh Field. (TIDELANDS)

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 21 OF 39 SHEETS

W.O. NO. 17430

E. A. Gardner 6/29/60
CITY ENGINEER DATE

DIVISION HEAD

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	R.C.J.	[illegible]	6/24/60	

DESIGN ENGINEER

CONTROL CERTIFICATION

206-1713
LAMBERT COORDINATES

CONTRACTOR
INSPECTOR
DATE STARTED
DATE COMPLETED

11558-21-D

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3383
FILED JUN 28 1968
MICROFILM NO. 31
OFFICE OF THE CLERK

SAN DIEGO GAS & ELECTRIC COMPANY

IMPORTANT:
Locate and expose all electric cables, telephone cables, lighting, etc.

Ground Line

Sta. 21+82 End of 1" Broken Oil

1" Broken Oil

Cable in 2" Pipe

Level

Conduit for cable for Control Tower

Known to be more than 6' below surface. Exact depth unknown

Bottom of Pipe

Level

Water Esmt below M.H.T.L. shown hatched

MATCH LINE See Sheet 11558-23-D

S 74° 02' 35" E

517.00'

BY CONTR.: STA. 21+82 1-16" C.I. BEND

BY CONTR: ANCHOR WITH 15 SQ. FT. OF BEARING SURFACE PLUS SHACKLE ASSEMBLY SHOWN ON SHEET 21

S 55° 10' 05" E

483.00'

16" C.I.

Unknown Pipe or Cable

1" Oil (Broken & Patched)

BY CONTR: STA. 20+39 1-2" BLOWOFF (For Test Purposes)

MATCH LINE See Sheet 11558-21-D

BY CONTR: STA. 20+50 1-16" x 6" TEE 1-6" F.H. ASSEMBLY

Sta. 76+90 Old sewer lateral 8" deep

8" Chain link Fence

To Beacon 600 Volts

(Control Panel)

Electric lighting cable & Control Lights

Water

Tower

STA. 20+50

16" C.I.

Trench

Sewer

Tel. to Tower (in tile duct) 3' Deep

2" Water pipe

16" x 16" Concrete carrying power cable 30" down

Fence

DETAIL OF F.H. HYDRANT ARM

Ref. Dwg 6112-W Sh 4

SCALE 1" = 50'

WATER ESMT. nly of North Harbor Drive & wly of Laurel Street, in Lindbergh Field (TIDELANDS)

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 22 OF 39 SHEETS

W.O. NO. 17430

CITY ENGINEER — DATE 6/24/68

DIVISION HEAD

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	R.C.W.	[illegible]	6-24-68	

DESIGN ENGINEER

CONTROL CERTIFICATION

206-1713
LAMBERT COORDINATES

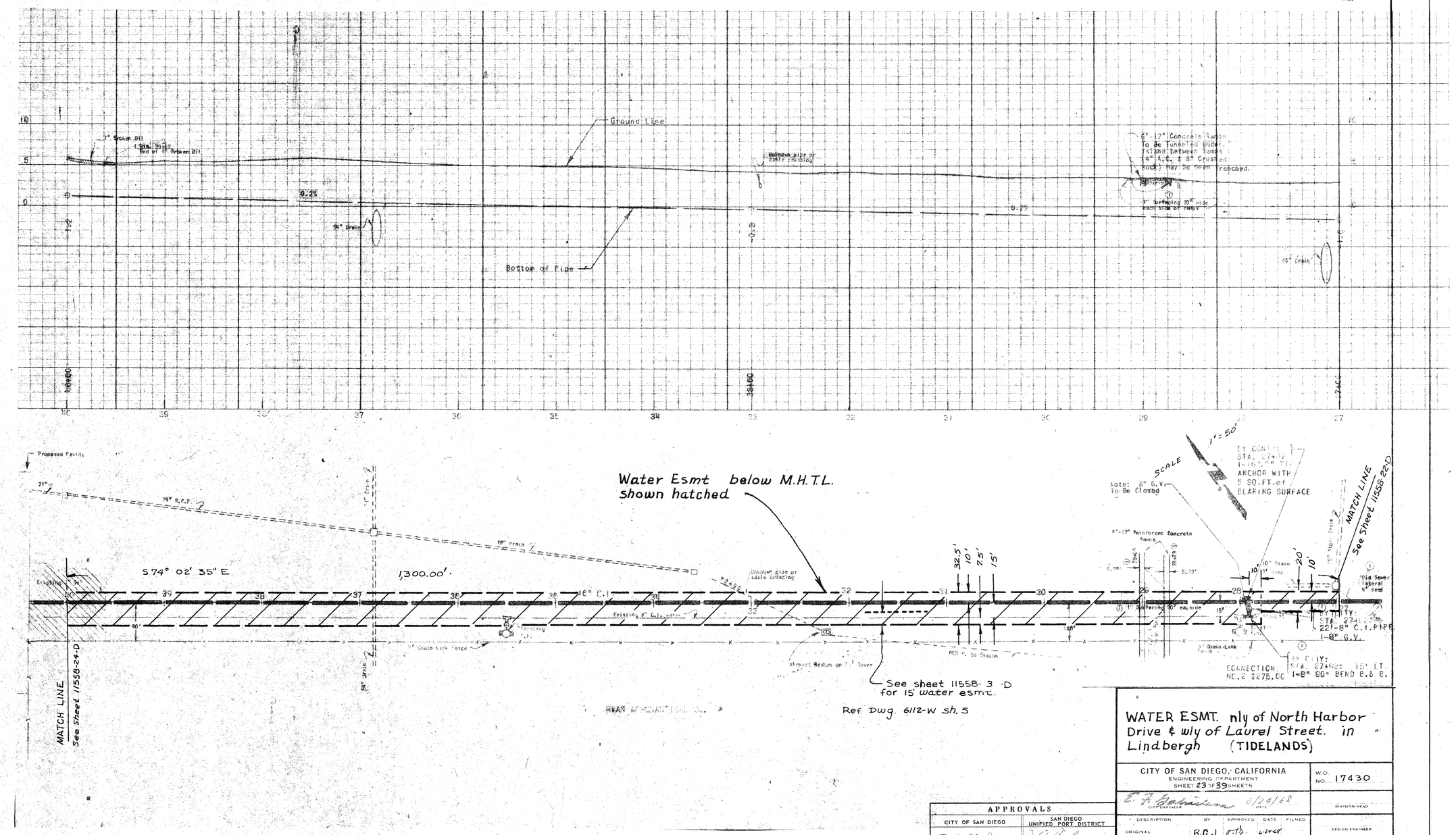
CONTRACTOR ____ DATE STARTED ____
INSPECTOR ____ DATE COMPLETED ____

11558-22-D

APPROVALS

CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
R. E. Thelan — UTILITIES DIRECTOR	J. F. Bellemann — CHIEF ENGINEER
PUBLIC WORKS DIRECTOR	
ORIGINAL CONVEYANCE DOCUMENT NO. 691823 FILED FEB. 19, 1963	ORIGINAL CONVEYANCE DOCUMENT NO. 77 FILED FEB. 13, 1963

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3383
FILED JUN 28 1968
MICROFILM NO. 31
OFFICE OF THE CLERK



WATER ESMT. nly of North Harbor Drive & wly of Laurel Street. in Lindbergh (TIDELANDS)

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 23 OF 39 SHEETS

W.O. NO. 17430

E. A. Gabelmann 6/24/68
CITY ENGINEER DATE

DIVISION HEAD

DESCRIPTION	BY	APPROVED	DATE	FILED
ORIGINAL	R.G.J.	O.K.	6-24-68	

DESIGN ENGINEER

CONTROL CERTIFICATION

206-1711
LAMBERT COORDINATES

CONTRACTOR
INSPECTOR
DATE STARTED
DATE COMPLETED

11558-23-D

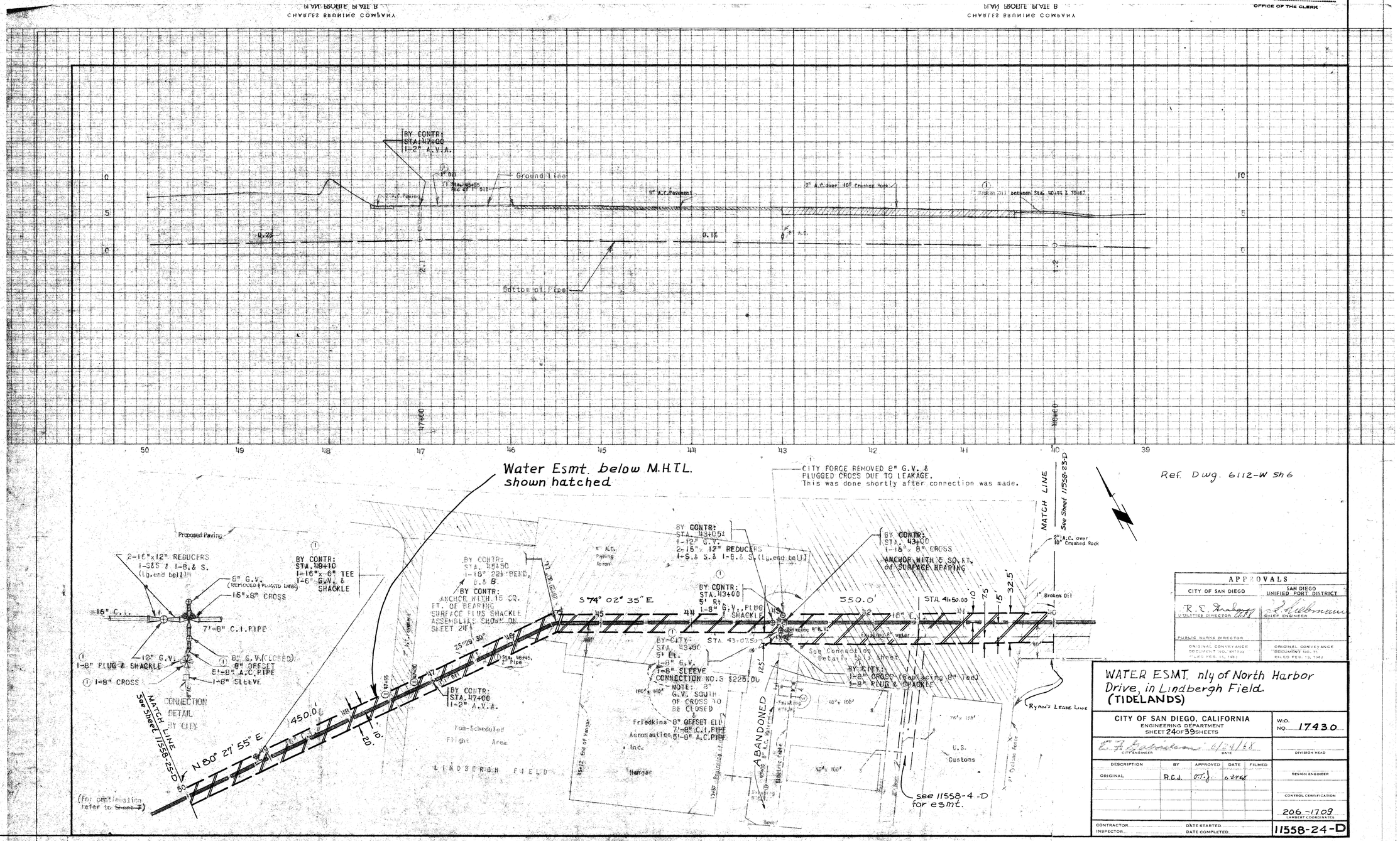
APPROVALS

CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
R.E. Hedenkamp 7/8/68 UTILITIES DIRECTOR	J.E. Rubenstein CHIEF ENGINEER
PUBLIC WORKS DIRECTOR	
ORIGINAL CONVEYANCE DOCUMENT NO. 651833 FILED FEB. 15, 1963	ORIGINAL CONVEYANCE DOCUMENT NO. 71 FILED FEB. 13, 1963

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT No. 3383
FILED JUN 28 1968
MICROFILM No.
OFFICE OF THE CLERK

SAN DIEGO BLUE PRINT COMPANY

SAN DIEGO BLUE PRINT COMPANY



APPROVALS	
CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
R. E. Grahame, UTILITIES DIRECTOR	CHIEF ENGINEER
PUBLIC WORKS DIRECTOR	
ORIGINAL CONVEYANCE DOCUMENT NO. 851190 FILED FEB. 15, 1961	ORIGINAL CONVEYANCE DOCUMENT NO. 71 FILED FEB. 13, 1962

WATER ESMT. nly of North Harbor Drive, in Lindbergh Field. (TIDELANDS)

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 24 OF 39 SHEETS

W.O. NO. 17430

CITY ENGINEER — DATE 6/24/68

DIVISION HEAD

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	R.C.J.	O.K. J.	6 24 68	

DESIGN ENGINEER

CONTROL CERTIFICATION

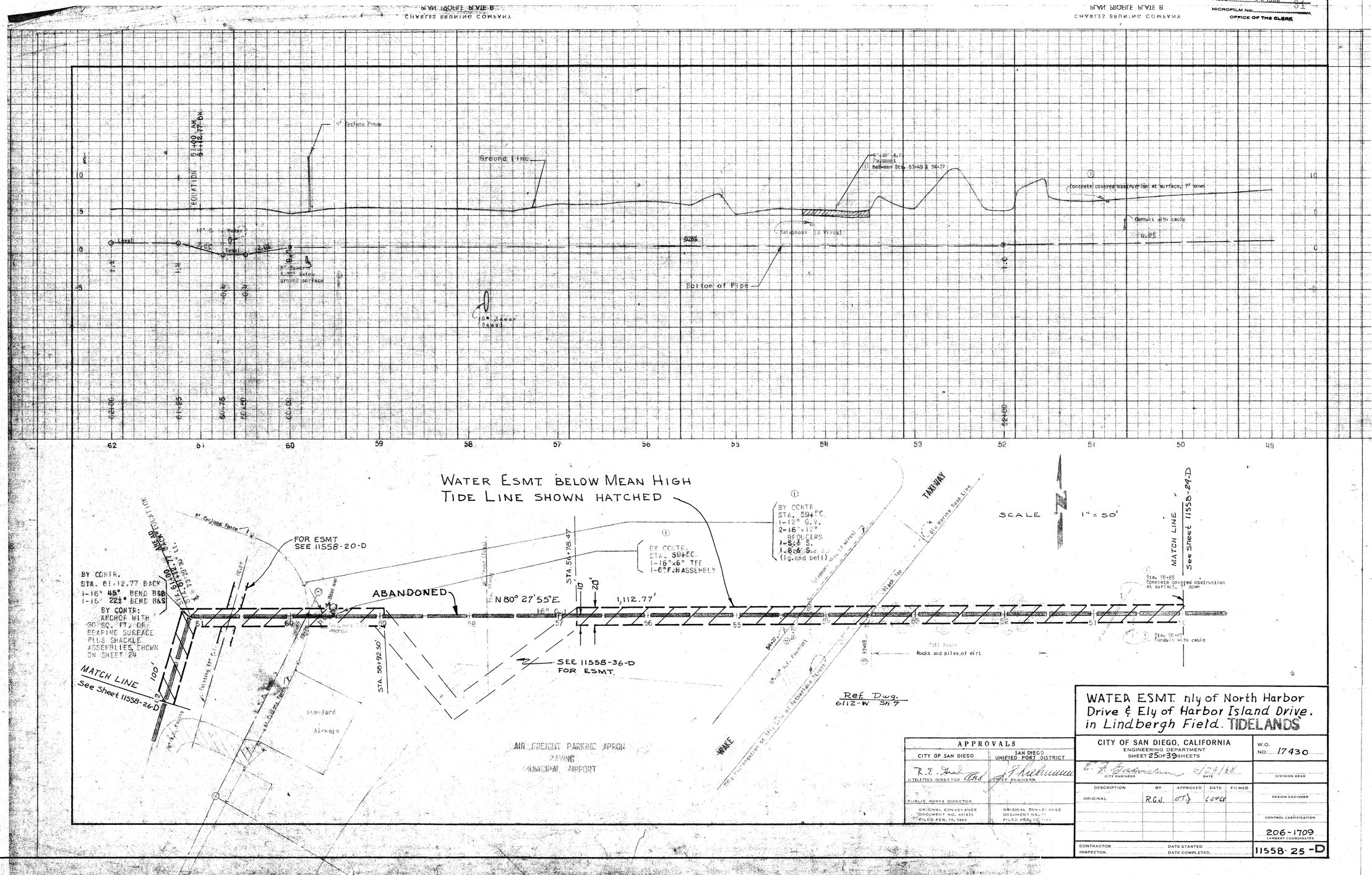
206-1709
LAMBERT COORDINATES

CONTRACTOR
INSPECTOR
DATE STARTED
DATE COMPLETED

11558-24-D

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3383
FILED JUN 28 1968
MICROFILM NO.
OFFICE OF THE CLERK

SAN DIEGO GAS & ELECTRIC COMPANY



APPROVALS	
CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
R. E. Thiel, UTILITIES DIRECTOR	J. Kuchmuss, CHIEF ENGINEER
PUBLIC WORKS DIRECTOR	
ORIGINAL CONVEYANCE DOCUMENT NO. 65833 FILED FEB. 19, 1963	ORIGINAL CONVEYANCE DOCUMENT NO. FILED FEB. 19, 1963

WATER ESMT. nly of North Harbor Drive & Ely of Harbor Island Drive, in Lindbergh Field. TIDELANDS

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 25 OF 39 SHEETS

W.O. NO. 17430

E. F. Gasman, CITY ENGINEER — 6/24/68, DATE — DIVISION HEAD

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	R.G.J.	O.T.S.	6/24/68	

DESIGN ENGINEER

CONTROL CERTIFICATION

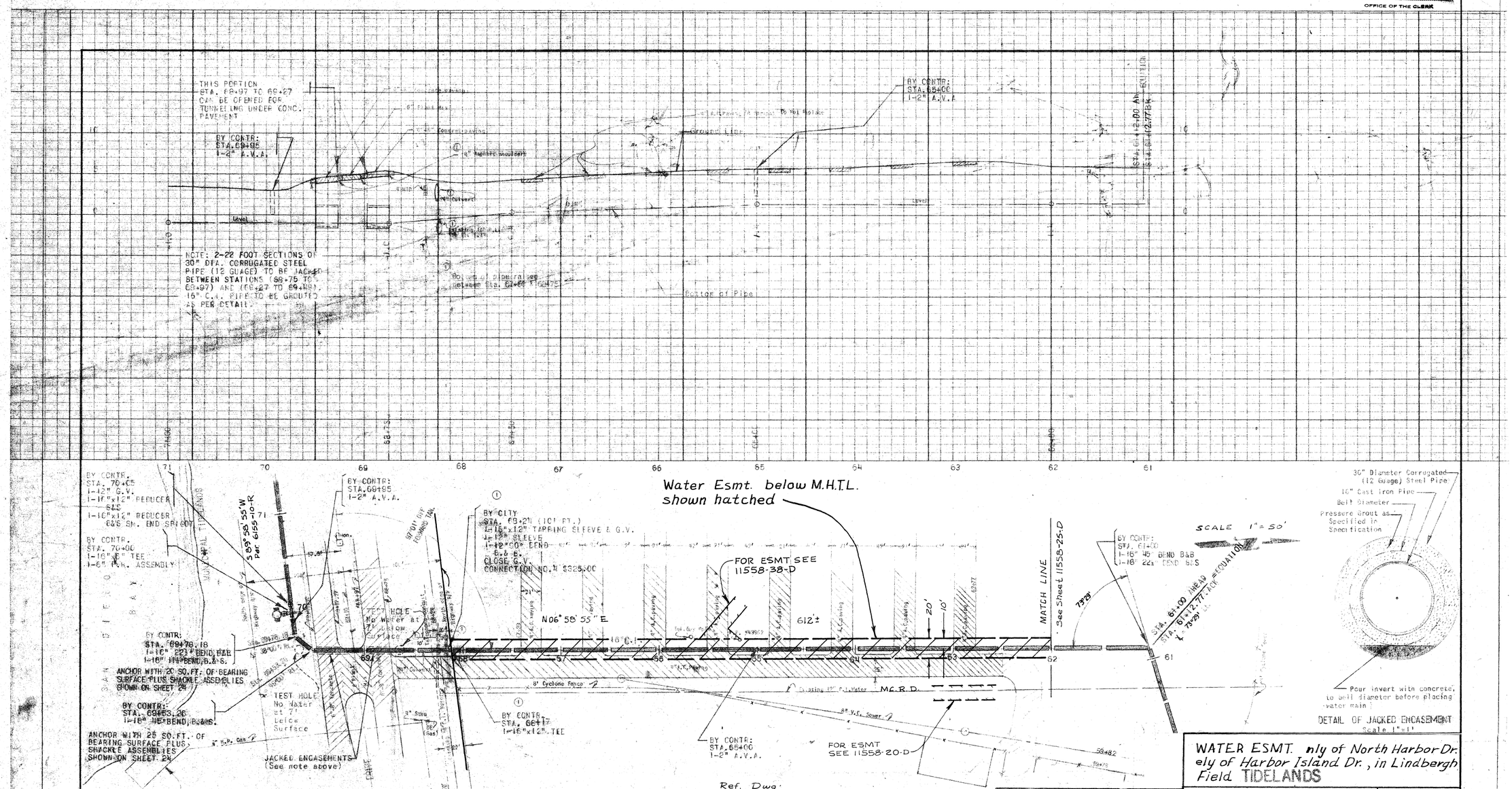
206-1709
LAMBERT COORDINATES

CONTRACTOR
INSPECTOR
DATE STARTED
DATE COMPLETED

11558-25-D

ALAN BROWNE BLAKE
CHARLES BRAUNIGG COMPANY

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3383
FILED JUN 28 1968
MICROFILM NO. 81
OFFICE OF THE CLERK



APPROVALS	
CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
R. E. Thalen UTILITIES DIRECTOR & V.P.	CHIEF ENGINEER
PUBLIC WORKS DIRECTOR	
ORIGINAL CONVEYANCE DOCUMENT NO. 651833 FILED FEB. 13, 1963	ORIGINAL CONVEYANCE DOCUMENT NO. 71 FILED FEB. 13, 1963

WATER ESMT. nly of North Harbor Dr. ely of Harbor Island Dr., in Lindbergh Field TIDELANDS

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 26 OF 39 SHEETS

W.O. NO. 17430

CITY ENGINEER — DATE — DIVISION HEAD

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	R.C.J.		6-24-68	

DESIGN ENGINEER

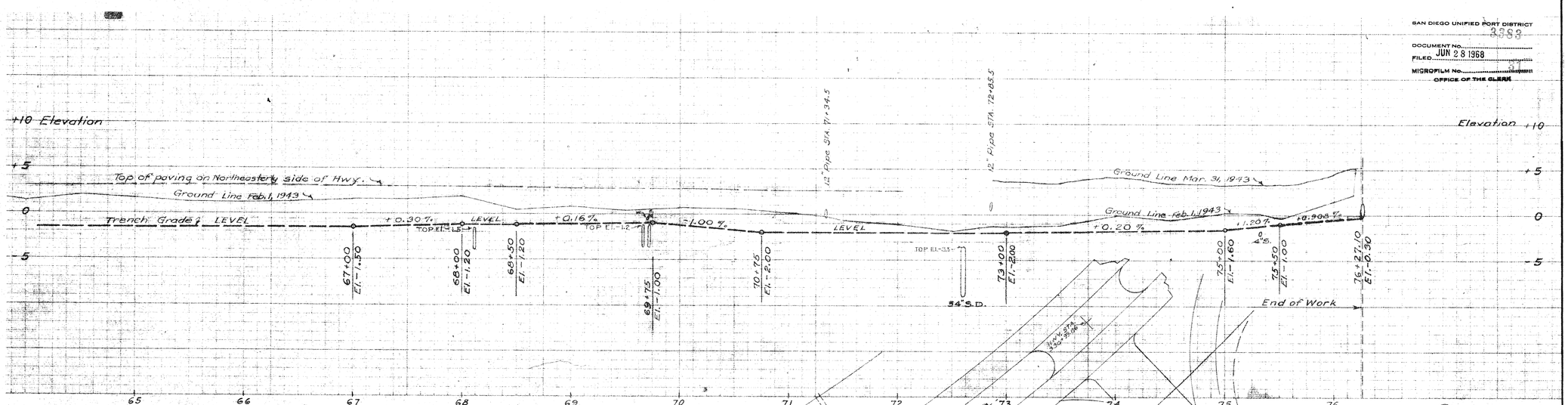
CONTROL CERTIFICATION

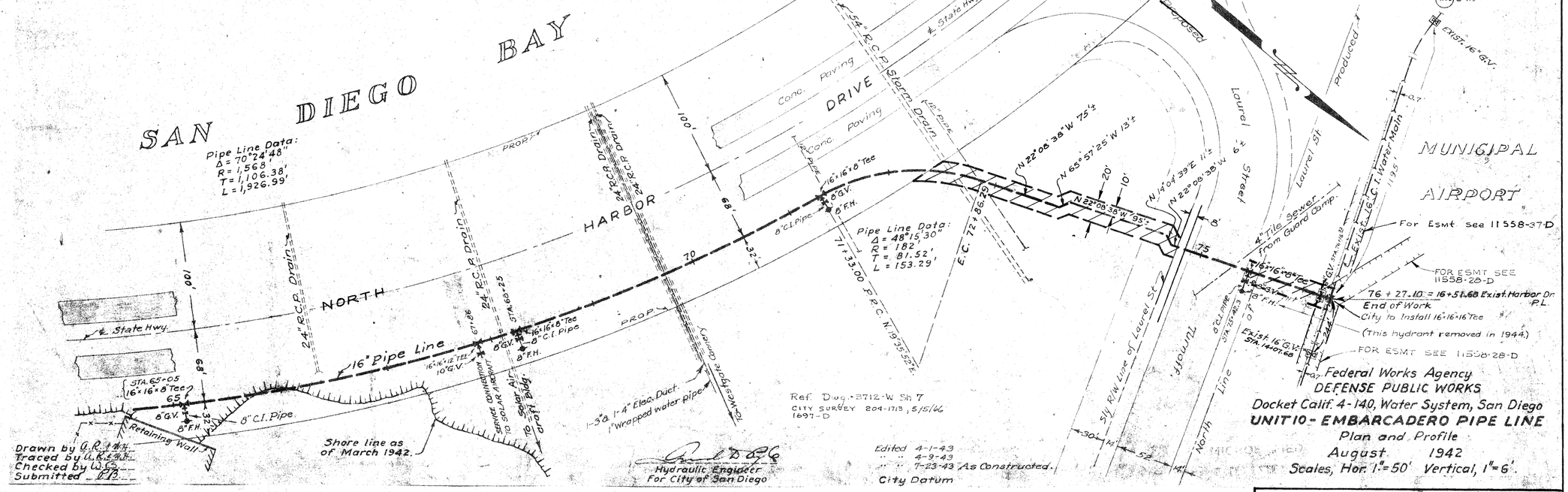
206 - 1709 LAMBERT COORDINATES

CONTRACTOR — DATE STARTED
INSPECTOR — DATE COMPLETED

11558-26-D

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 2282
FILED JUN 28 1968
MICROFILM NO.
OFFICE OF THE CLERK





Drawn by G.R. [illegible]
Traced by G.R.E.M.
Checked by W.C.
Submitted [illegible]

Hydraulic Engineer
For City of San Diego

Federal Works Agency
DEFENSE PUBLIC WORKS
Docket Calif. 4-140, Water System, San Diego
UNIT 10 - EMBARCADERO PIPE LINE
Plan and Profile
August 1942
Scales, Hor. 1"=50' Vertical, 1"=6'.

WATER ESMT. sly of Laurel Street & nly of North Harbor Drive

APPROVALS	
CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
R. S. Stralem, UTILITIES DIRECTOR	J. Blakemore, CHIEF ENGINEER
PUBLIC WORKS DIRECTOR	
ORIGINAL CONVEYANCE DOCUMENT NO. 651833 FILED FEB. 15, 1943	ORIGINAL CONVEYANCE DOCUMENT NO. 71 FILED FEB. 13, 1968

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 27 OF 39 SHEETS

W.O. NO. 17430

E. F. Johnson 6/24/68
CITY ENGINEER — DATE — DIVISION HEAD

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	R.C.J.	[illegible]	6 [illegible]	

DESIGN ENGINEER
CONTROL CERTIFICATION
204-1715
LAMBERT COORDINATES
CONTRACTOR
INSPECTOR
DATE STARTED
DATE COMPLETED

11558-27-D

24" CONCRETE STEEL CYLINDER PIPE
CLASS 170

16" C.I. CLASS 200

Ground Line

4" Asphalt Pavmt.

3"H.P.GAS El.Unknown

12 K.V.Cable El.Unknown

2"Lig. Gas El.Unknown

4 MTD Tele. El.Unkn.

4 K.V. Cable & 50 Pr. Tele. El. Unknown

600 V Cable El. Unknown

4 K.V. El. Unknown

Tele.Cable El.Unknown

4 K.V.Cable & 50 Pr.Tele.El.Unkn.

12 K.V. Cable El.Unknown

2 Air Field Cables DEAD, El.Unknown

3"H.P.Gas El.Unkn.

2"Water

6"C.I.Water

Exist.16"C.I. El.-1.8

El.-2.0

El.-2.10

El.-3.0±

El.-2.0

El.-3.10

El.-3.10

El.-4.0

Tee of 24" Pipe

24" Storm Drain

FIELD WELDED JOINTS

80" R.C.P. (Exact Elev. Unknown Approx. only)

5'6" S.D. Type "C"

2-36" AIR VALVE

6-36" Type B AIR VALVE

B.M. B.P.K.W.Cor. of Pacific & Laurel. Elev. 7.94

FIELD WELDED JOINTS BY CONTRACTOR

0+00 1+00 2+00 3+00 4+00 5+00 6+00 7+00 8+00 9+00

SEE SHEET 11558-21-D FOR ESMT.

Exist.16"C.I.

3"H.P.Gas

12 K.V. Caple

16"C.I.

8' Chain Link Fence

Conc. Footings

12 K.V. Cable

4 H.P.D. Cable

284'±

351'±

STA.0+00.78 CONN. TO EXIST.16" PIPE (SEE DETAIL "A" THIS SHEET)

LIQ. GAS TANK

Pump

Elec.Cond. into ground

Construct 8'± of 8' Chain Link Fence

4 K.V. Cable & 50 Pr.Tele. F.H.

Exist. 16" C.I.

Conc. Plug 16"C.I. Pipeline

Water Esmt. below M.H.T.L. shown hatched.

46'±

FOR ESMT SEE 11558-37-D

Construct 11'± of Chain Link Fence

106'± of 8' Chain Link Fence to be Removed

STA.1+50 = 48°56' RT. 86.40'

64.21'

Exist. 16"C.I.

2" Lig. Gas

STA. 0+85.79 (SEE DETAIL "B" THIS SHEET)

FOR ESMT. SEE 11558-27-D

JOLLARS PARKING LOT

84" Storm Drain

Sta. 2+38.00 2' Air Valve Type B

4 K.V.

30" R.C.P.

663.60'

308.20'

20' 10'

4 K.V. Cable & 50 Pr. Tele.

30" H.P. Gas

325'±

5+50 6" B.O. Type "C" RICH G.V.

2 Air Field Cables

12 K.V. Cable

3"H.P.Gas

20' 10' 17'

PLAN DETAIL "C" No Scale

20" Butterfly Valve Horizontal Type

20" Nipple

24" Laurel Street Pipeline

24"x20"Reducer

Existing 12" C.I.

STA.17442.45

Existing 24" Laurel St. Pipeline

STA.17428.00 End Pipe Installation By Contractor

20"Flanged & Spigot Adaptor

Split Butt Strap Per Std. Dwg. W-51-58

24"x20"Reducer (Flange & Spigot)

Existing 24"x 12" Cross

Existing 12" C.I.

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3383
FILED JUN 28 1968
MICROFILM NO. 31
OFFICE OF THE CLERK

Existing Harbor Drive Pipeline 16" C.I. Concrete Lined Class 200

16" Sleeve

16"Nipple

16" Tee

0+05.04

16" 11¼° Ell

16"Nipple

0+13.93 Begin Pipe Installation by Contractor

16" 45° Bend

0+12.69

16" C.I.

SCALE: Horiz. 1"=30' Vert. 1"=6'

PLAN DETAIL "A" Not to Scale

STA. 2+38.40 = 45°21'LT.

R.R. Spur

LAUREL ST.

ST. ℄

End Pipe Installation By Contractor 0477.0

16"C.I.

16"45° Bend B & S

0480.79

16"Gate Valve With By Pass

16" Nipple

20" Flange & Spigot Adapter

20" Butterfly Valve Horizontal Type

24"x20" Reducer (Flanged & Bell or Spigot)

Weld Joint

24" Laurel St. Pipeline

Existing 16"C.I. Harbor Drive Pipeline

16" Sleeve

16" Nipple

0489.79

16"Gate Valve with By Pass

20"x16" Reducer

20x16 Cross

16" Nipple

16" Sleeve

STA.0491.00 Begin Pipe Installation By Contractor

Existing 16" Embarcadero Pipeline

8'

PLAN DETAIL "B" Not to Scale

Ref. Dwg: 10015-2-D, 6112-2-W, 6269-L

N'LY R/W LINE

30'

2" Air Field Cables

MATCH LINE SEE SHEET 11558-29-D

ST. ℄

2"W

No service Transfer 4" H.P. Gas

NOTE: FOR EXACT LOCATION OF ELECTRIC CABLES CONTACT JACK BROWN, SAN DIEGO GAS & ELECTRIC, BE-2-4252, EXT. 6-214, 48 HOURS IN ADVANCE OF EXCAVATION.

SHADED CONNECTION DETAIL AREAS SHALL BE INSTALLED BY CITY FORCES.

APPROVALS

CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
R.E. Grahan UTILITIES DIRECTOR	[illegible] CHIEF ENGINEER
PUBLIC WORKS DIRECTOR	
ORIGINAL CONVEYANCE DOCUMENT NO. 85383 FILED FEB. 10, 1961	ORIGINAL CONVEYANCE DOCUMENT NO. 71 FILED FEB. 1, 1961

WATER ESMT. - Nly of Laurel St. bet. Pacific Hwy & North Harbor Drive

TIDELANDS

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 28 OF 39 SHEETS

W.O. NO. 17430

[illegible] CITY ENGINEER 6/29/68 DATE

DIVISION HEAD

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	R.C.J.-B.P.	[illegible]	6-1968	

DESIGN ENGINEER

CONTROL CERTIFICATION

204-1715 LAMBERT COORDINATES

CONTRACTOR DATE STARTED

INSPECTOR DATE COMPLETED

11558-28-D

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3383
FILED JUN 28 1968
MICROFILM NO.
OFFICE OF THE CLERK

24" CONCRETE STEEL CYLINDER PIPE CLASS 120

EQUATION 12433.93 Back = 12418.95 Ahead

12422 24" S.D.E.

PACIFIC HIGHWAY

12" Sewer

Ground Line

3/4" H.P. Gas El. Unknown

4 M.T.D. TELE. El. Unknown

3" 12 K.V. Cable El. Unk. (Dead)

2 MTD Tele. El. Unknown

4 M.T.D. Cable

4" H.P. Gas

12" C.I.P.

Signal Cable

St. Lt. Cable

28" RCP

Top of 24" Pipe

Sewer

10" Sewer Abandoned

12" Conc. Pipe

127 LF 42" casing TO BE JACKED

STA. 12433.93 = EQUATION = STA. 12418.95 Ahead

STA. 12433.93 Δ = 22°45'54" LT.

SOLAR AIRCRAFT

212.47'

12 K.V. Cable

4 M.T.D. Tele.

Compounded Water Meter

One 2" Water

Existing 16" C.I.

LAUREL ST.

Existing G.W.S.

A.C. on 6" Conc. Base Pave.

3" H.P. Gas

50 PR. Tele.

St. Lights

St. Lt. Cable

12" C.I. on R.E.

MATCH LINE SEE 11558-28-D

SEE SHEET 2

Water Esmt below M.H.T.L. shown hatched

SCALES: Horiz. 1" = 30' Vert. 1" = 6'

469

Ref. Dwg 10015-3-D

STA. 11+14.00 TO STA. 12+32.00 INSTALL 118.00' OF 24" PIPELINE IN CASING PIPE (SEE DETAILS RIGHT)

Signal Cable

6" Conc. PACIFIC

Existing 12" C.I.

Plugged

6" Sewer

8" C.I.P.

F.H.

Water M.H. (To remain in place)

Conc. Plug 16" C.I. 1 ft. East of Water M.H.

STA. 12433.93 Δ = 22°45'54" LT.

Signal Cable

8" Asphalt Conc. Plug 16" C.I. 1 ft. East of Water M.H.

Existing 12" C.I.

Traffic Pad

Traffic Pad Cable

12 K.V.C.

12 K.V.

St. Light

Abandon

CASING PIPE:
34" (for 24" SCRCP) or 30" (for 24" WSP)-1/2" Steel R., or pipe conforming to A.C.T.M. Spec. C-76-577, Table V, Wall C.

Provide "o" & poles 4 acts equals casing 2 acts eqpd on two foot centers to allow grout to fill voids around casing.

Sweep Stock

24" C.L.

Pressure Grout Space between Pipes

Pour Concrete in Invert to Roll Fix. of 24" Conc. Steel Pipe

ENCASEMENT DETAIL
(No Scale)

468

A.T. & S.F. R/W

A.T. & S.F. MAIN LINE R.R.

S.P. & S.F. R.R. (SAN DIEGO) R.R.

Existing 12" C.I.

Existing 16" C.I.

Abandon

Conc. Plug & Abandon Existing 16" C.I.

Water M.H.

Paving

Existing 16" C.I.

Existing 12" C.I.

Conc. Plug & Abandon Existing 12" C.I.

Existing 16" C.I.

Existing 12" C.I.

Existing 16" C.I.

Existing 12" C.I.

Existing 16" C.I.

Existing Sewer lines shown thus ——— S ———
Existing Water lines shown thus ——— W ———

NOTE

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3383
FILED JUN 28 1968
MICROFILM NO. 81
OFFICE OF THE CLERK

Scale 1" = 30'

PAN PACIFIC FISHERIES INC.

Existing wharf - plank deck

outface of wall

S 70°07'20" W

N 35°11'55" E

Δ 39°53'35"

N 75°05'30" E

232.67'

100'

12.5'

25'

10'

EDGE OF GUTTER
OUTFACE OF CURB

S 65°37'13" E

258'

6" WATER MAIN

75.29

N 11°53'30" W

AMERICAN TUNA BOAT ASSOCIATION

General Utility Esmt. Shown Hatched

S 58°45'30" W

257.4'

10" V.C.

253.52'

520'

6" WATER MAIN

OUTFACE OF CURB

Base Line

F.H.

Associated Oil Co.

Union Ice Co

Crofton Diesel Engine Co

American Tuna Boat Ass'n

FENCE 10'±

S 89°54'30" E

S 70°00'30" W 102.16'

120'

145.06'

S 70°00'30" W

181.50'

5.00'

M.H. #6

SEE 11558-7-D

Wall

105.05'

S 19°59'15" E

Base Line

Curb Face

Float

Float

Float

U.S. NAVY FLEET LANDING

U.S. BULKHEAD LINE

BASE LINE N 00°01'40" E 329.30'

Curb Face

HARBOR DRIVE (NOT A CITY STREET)

N 00°01'40" E 246.38'

East property line of Harbor Drive

South property line of "F" Street

200'

NORTH

FOR ESMT SEE 11557-13-D

FOR ESMT SEE 11558-7-D

BAY OF SAN DIEGO

Ref. HARBOR Dwg
58-L-9
58-L-7

APPROVALS	
CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
R.E. Grahe UTILITIES DIRECTOR	J. Bielenman CHIEF ENGINEER
PUBLIC WORKS DIRECTOR	
ORIGINAL CONVEYANCE DOCUMENT NO. 685833 FILED FEB. 15, 1965	ORIGINAL CONVEYANCE DOCUMENT NO. 71 FILED FEB. 12, 1965

GENERAL UTILITY ESMT. - on "G" St. Pier. TIDELANDS

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 30 OF 39 SHEETS

W.O. NO. 17430

E.T. Hanrahan 6/24/68
CITY ENGINEER DATE

DIVISION HEAD

DESCRIPTION	BY	APPROVED DATE	FILMED
ORIGINAL	R.C.J.	6/24/68	

DESIGN ENGINEER

CONTROL IDENTIFICATION
198-1715
LAMBERT COORDINATES

CONTRACTOR
INSPECTOR
DATE STARTED
DATE COMPLETED

11558-30-D

Sta 230

SCALE 1" = 30'

U.S. BULKHEAD LINE

S 89° 37' 30" W

16" C.I. Water Main

BELT

STANDARD OIL COMPANY

WATER ESMT below M.H.T.L. shown hatched

CALIFORNIA CARTAGE COMPANY INC.

ATCHISON TOPEKA AND SANTA FE RAILROAD COMPANY

For esmt see 11558-16-D

N 15° 39' E

N 53° 39' E 138'

Sta. 12100 on 16" WATER MAIN

STREET (NOT A CITY STREET)

Face of curb

Face of curb

BLDG.

N 33° 09' E 10' A.C.

SCHLEY STREET (NOT A CITY STREET)

N 33° 09' E PER CITY DWG 11164-D – HARBOR DWG 526-D

614'

191'

BLDG.

S 56° 51' W 127'

SOUTHERN CALIFORNIA FREIGHT LINES

REF. DWGS.

CITY:	HARBOR:
11558-16-D	526-D
11164-D	
3709-W sh #13	

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3383
FILED JUN 28 1968
MICROFILM NO.
OFFICE OF THE CLERK

APPROVALS

CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
R. E. Graham UTILITIES DIRECTOR	CHIEF ENGINEER
PUBLIC WORKS DIRECTOR	
ORIGINAL CONVEYANCE DOCUMENT NO. 85133 FILED FEB. 19, 1963	ORIGINAL CONVEYANCE DOCUMENT NO. 37 FILED FEB. 13, 1963

WATER ESMT. - in Schley Street (not a City St.) extended below the Mean High Tide Line

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 31 OF 39 SHEETS

W.O. NO. 17430

CITY ENGINEER — DATE — DIVISION HEAD

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	RCJ	O.K.	6-24-68	

DESIGN ENGINEER

CONTROL CERTIFICATION

192-1725 LAMBERT COORDINATES

CONTRACTOR — DATE STARTED

INSPECTOR — DATE COMPLETED

11558-31-D

POLICE STATION

DRIVE

HIGHWAY

Ely line of Pacific Hwy Produced

N 01°03' W

N 00° 01' 40" E

N 01°03' W

340'±

FERRY

LANE

SCALE 1"=40'

For Esmt see 11558-33-D
MATCH LINE

Water Esmt shown hatched

S89°56'46"E Pm 357'R

130'

75'±

N89°58'20"W

N 39°10' E 132'±

N42°45'W 22.00'±

N 28°41' W 142'±

N 20°22' W 109'±

S. S. O.

Rock Wall

Tele Cables Overhead

Tel Lines Overhead

Curb

Curb

Curb

20'

10'

FERRY
SHOREBOAT DOCK

FIRE STATION

SAN DIEGO SEAFOOD MART

HARBOR

COMMERCIAL FISHERMANS PIER

MARKET

1ST

Palm Trees

Curb

Rock Wall

Rock Wall

FLOAT

STAR & CRESCENT CAT CO

U.S. BULKHEAD LINE S 50°50'E

Ref. Dwgs.
HARBOR NO. 133-MB, 4-D-3

LEGEND

Existing water lines shown thus
" sewer lines " "
" gas lines " "
" telephone lines " "
" fire alarm lines " "
" drainage lines " "

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3383
FILED JUN 28 1968
MICROFILM NO.
OFFICE OF THE CLERK

APPROVALS	
CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
UTILITIES DIRECTOR	CHIEF ENGINEER
PUBLIC WORKS DIRECTOR	
ORIGINAL CONVEYANCE DOCUMENT NO. (illegible) FILED FEB. 13, 1963	ORIGINAL CONVEYANCE DOCUMENT NO. 71 FILED FEB. 13, 1963

Water Esmt. - in Ferry Lane & wly of Ferry Lane, sly of North Harbor Drive TIDELANDS

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 32 OF 39 SHEETS

W.O. NO. 17430

CITY ENGINEER 6/24/68 DATE

DIVISION HEAD

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	R.C.J.		6/24/68	

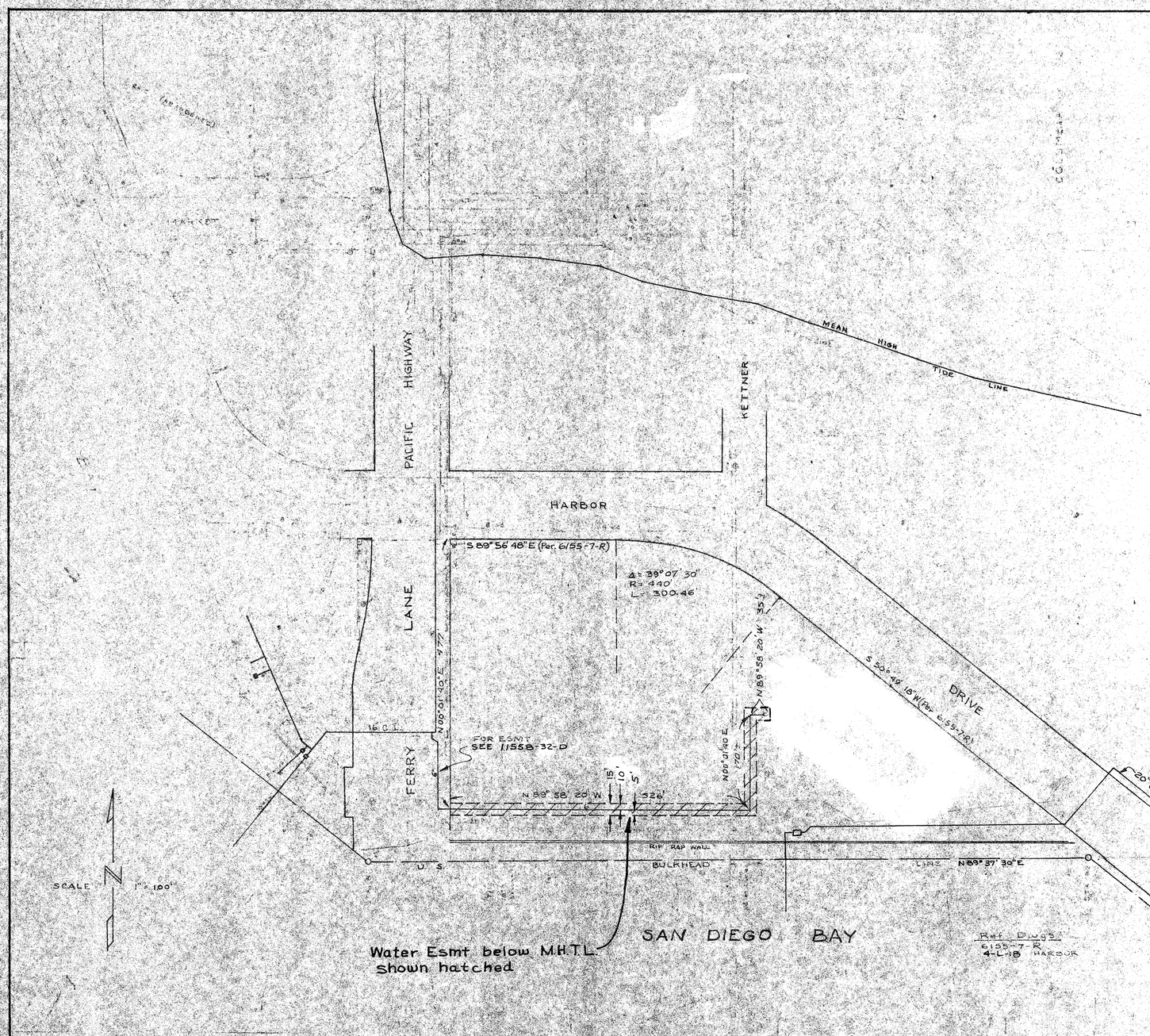
DESIGN ENGINEER

CONTROL CERTIFICATION

198-1715
LAMBERT COORDINATES

CONTRACTOR DATE STARTED
INSPECTOR DATE COMPLETED

11558-32-D



SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3383
FILED JUN 28 1968
MICROFILM NO.
OFFICE OF THE CLERK

APPROVALS	
CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
R. E. Hinds UTILITIES DIRECTOR	J. E. Hichmuth CHIEF ENGINEER
PUBLIC WORKS DIRECTOR	
ORIGINAL CONVEYANCE DOCUMENT NO. 65833 FILED FEB. 19, 1963	ORIGINAL CONVEYANCE DOCUMENT NO. 71 FILED FEB. 19, 1963

WATER ESMT. - sly of Harbor Dr. & ely of Ferry Lane TIDELANDS

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 33 OF 39 SHEETS

W.O. NO. 17430

E. F. Gabrielson 6/29/68
DIVISION HEAD

DESCRIPTION	BY	APPROVED	DATE FILMED
ORIGINAL	RCJ	OK	6-24-68

DESIGN ENGINEER

CONTROL IDENTIFICATION
198-1715
ENGR. DEPARTMENT

CONTRACTOR
INSPECTOR
DATE STARTED
DATE COMPLETED

11558-33-D

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3998
FILED JUN 28 1968
MICROFILM NO.
OFFICE OF THE CLERK

SECTIONS (See Sheet 4 for Location)

Sect. 38+20 — Sect. 38+50 — Sect. 39+00 — Sect. 39+50 — Sect. 40+00 — Sect. 40+50

Line of City Right of Way — Required Fill — Ground Surface — 4% Slope — All Sections — 1½ — 2% Slope — 4% Slope — 2% Slope — 2% Slope — ½ 4% Slope — Proposed Pipe Line

Sta. 221+97± 16"x16"x24" Steel Tee with 8" S.O., 24" Plug Valve, 16" Plug Valve and 8" Gate Valve in chamber

Sta. 221+93 4" B.O., type A, without outlet well

Sta. 221+46 M.H. (no chamber)

24" R.C.C. Pipe, Class L, $A_s = 2.80$

Sta. 217+63 8" S.O.

Sta. 216+18± 4" S.O.

Sta. 214+01 8" S.O.

Sta. 213+14.14 Ahead = 213+16.96 Back

A.T.&S.F. Tracks — Proposed Fill — Slough — S.D.B.A.E. Yard Tracks — Spur Track — 2" Asphalt — Ground Surface — 18" Galv. — 6" Drain — 2" Steam — 9" Drain — 1½" Air — 1½" W — 6" Tar — 16" W — 8" — 6" — Level — +2.75% — Bottom of Pipe — 1"S

60" Sewer

CITY DATUM

222 221 220 219 218 217 216 215 214 213

A.T.&S.F. R/W

Δ=8°26' RT, R=186', T=13.64', L=27.23'

Williams B.L. Bearing N 35°30'55" W

Williams B.L. Sta 139+63.32 = Pipe Line Sta 221+17.35

END of WORK STA. 221+97.26

16"x16"x24" Tee with 8" S.O. 2-1" Corp. Cocks 3/4" Gage Conn.

Existing 8" Gate Valve S 48°50' W

8" Gate Valve

16" Plug Valve

24" Plug Valve

F.H.

B.O.

M.H.

S 45°59' W

16"Cl. Existing Main S 46°09' W

Welded Joints at 221+34, 221+49, 221+56, & 221+67

FOR ESMT. SEE 11558-12-D

City Easement Supplemental Agreement City Clerk's Document No. 382056

Δ 2°51' LT. — Sta. 221+91.26 — Sta. 221+60.94 P.C. — Sta. 221+33.71 P.C.

Concrete Piers — Pile Bent — S 37°43' W 378.65 — S 42°49' W 174.69

HARBOR DRIVE

S.D.B.A.E. Yard Tracks

6" Sewer

Sta. 221+95.26 = END of WORK

Sta. 221+90 — Sta. 221+75 — Sta. 221+60 — Sta. 221+45

379.90' to State Highway Conc. Mon. on Ny. R/W E. C. 190 x 40.00

36" Jacked Casing 221+57 to 221+81

Williams Base Line & Main Track

50' — 50'

S.D.B.A.E. R/W 50 yr Lease City Ordinance 1281 Apr. 21, 1930

S.D.B.A.E. Lease See Harbor Dept. Dwg. 1048

Water Esmt. below M.H.T.L. shown hatched

S.D.B.A.E. Lease See Harbor Dept. Dwg. No. 1048

City Easement City Clerk's Doc. No. 383400 Book 2102 Page 163 O.R.

N 52°06'10" W — 219+98.88 — Δ 3°56' LT.

N 49°07'26" W

Sta. 219+75 — Sta. 220+13

Switch Bldg. — 1½" Water — 1" Air — 20" Air Tank — 6" Drain — 2" Steam — 1½" W — 2" Air — 6" Water — 2" Air — Open Channel - Switzer Creek — 215+93.84

S 38°53' W (227.29)

Pullman Co. — Wood Shop — Tel. Pole — Toilet — 279.70' — 1" W — 10.6 — 8" — 6" — 9" Pipe Drain — 24" PIPE LINE — 4" Asphalt Pavement — Bulkhead — Septic Tank — 4" Sewer — 36" Jacked Casing 213+48 to 213+62 — Spur Track — Fenton Material Co. — Scales — 2" Water — 6" Water — 2" Air — 6" Storm Drain — Storm Drain — 36" Jacked Casing 219+31 to 219+08

213+14.14 Ahead = 213+16.96 Back Δ = 19°15' RT — S 50°40' E — Bearings S 50°39'40" E

Sta. 212+08.06 — Sta. 212+17.78 P.C. — Sta. 212+81.30 P.O.T. — 38.36

13th STREET — SOZZE Drain — NEWTON AVE — S.D.B.A.E. R/R — J — K — L — 166

City Easement Supplemental Agreement City Clerk's Document No. 383723

State Hwy. Encroachment Permit No. A110,736

Mean High Tide Line

Ref. Dwg.: 3593-W (W.D. 807), 13503-17-L

Water Department Field Book #711

City Engineer's Field Books #1722 & #1691

Drawn by J.A.C., R.S.G., J.M.K.
Traced by D.M.L.
Checked by: [illegible]

10-29-48 As Built R.M.
11-25-47
10-14-47
Edited 6-26-47

APPROVALS

CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
R. E. Dolan, UTILITIES DIRECTOR	J. E. Kuhlmann, CHIEF ENGINEER
PUBLIC WORKS DIRECTOR	
ORIGINAL CONVEYANCE DOCUMENT NO. 551823 FILED FEB. 16, 1963	ORIGINAL CONVEYANCE DOCUMENT NO. 71 FILED FEB. 13, 1963

WATER ESMT. - Switzer Creek from M.H.T.L. to 16" water main s'ly of Harbor Drive. TIDELANDS

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 34 OF 39 SHEETS

W.O. NO. 17430

E. F. Gudmundsen 6/24/68 — DIVISION HEAD

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	R.G.J.		6/24/68	

DESIGN ENGINEER

CONTRACT IDENTIFICATION

194-1721

CONTRACTOR — DATE STARTED
INSPECTOR — DATE COMPLETED

11558-34-D

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3383
FILED JUN 28 1968
MICROFILM NO. 31
OFFICE OF THE CLERK

N 89° 34' 18" W 42.97'
S 45° 25' 42" W 22.60'
N 89° 34' 18" W 454.44'
20'
10'
120'
S 39° 10' 42" W
124.3'
4'
14'
10'
20'
STA. 35+24.32±
STA. 0+00 BAY LINE
S 01° 33' 27" W
Water esmt. below M.H.T.L. shown hatched
N 50° 49' 18" W
N 50° 49' 18" W
1322.49'
14'
SAN DIEGO BAY
HARBOR
U.S. BULKHEAD LINE N 50° 49' 18" W (Per 6155-5-R)
PIPE LINE CURVE DATA
Δ = 58° 19' 30"
R = 430.0'
L = 437.68'
S 70° 51' 12" W 622.15'
DRIVE
SCALE 1" = 100'
MEAN HIGH TIDE LINE
S 19° 53' 57" W 151.97'
60±
91.97±
S 89° 35' 57" W 355.71'
20" Water pipe line
25'
30'
16" WATER MAIN
STA 0+00 Begin 20" water pipe line
5TH ST.
6TH ST.
"L" ST.
RAILROAD R/W

REF. DWG.
ELEVENTH NAVAL DIST.
Y&D Dwg 330455 Sheet 25
6155-5-R

APPROVALS:

CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
R. E. Hedman UTILITIES DIRECTOR	J. Hillmann CHIEF ENGINEER
PUBLIC WORKS DIRECTOR	
ORIGINAL CONVEYANCE DOCUMENT NO. 651333 FILED FEB. 15, 1963	ORIGINAL CONVEYANCE DOCUMENT NO. 71 FILED FEB. 15, 1963

WATER ESMT. for 20" line from 6TH & "L" Sts. thru Navy Field to meter box Sly of Kettner Blvd. & Harbor Drive

TIDELANDS

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 35 OF 39 SHEETS

W.O. NO. 17430

CITY ENGINEER — DATE — DIVISION HEAD

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	R.C.J.		6-24-68	

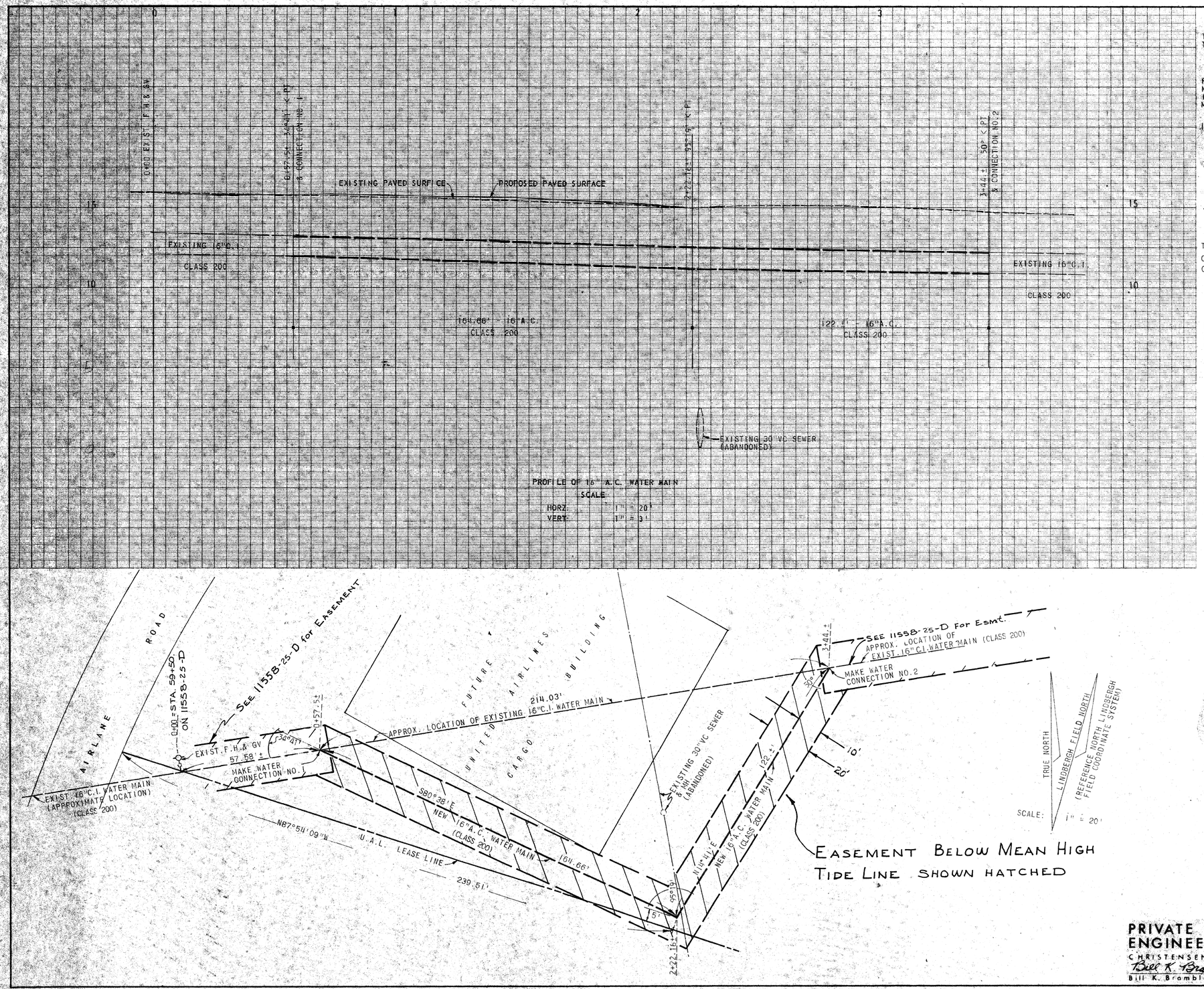
DESIGN ENGINEER

CONTROL CERTIFICATION

198 - 1715
LAMBERT COORDINATES

CONTRACTOR — DATE STARTED
INSPECTOR — DATE COMPLETED

11558-35-D



WORK TO BE DONE

THE IMPROVEMENTS CONSIST OF THE FOLLOWING WORK TO BE DONE ACCORDING TO THESE PLANS AND THE FOLLOWING STANDARD DRAWINGS AND SPECIFICATIONS OF THE CITY OF SAN DIEGO.

SPECIFICATIONS

PART I FILED APRIL 9, 1958 INCLUDING AMENDMENTS TO PART I FILED APRIL 8, 1959 AND NOVEMBER 29, 1962; PART I, SECTION 1, FILED APRIL 5, 1967 ; PART II, FILED DECEMBER 14, 1966; PART III FILED FEBRUARY 16, 1966; PART IV FILED FEBRUARY 25, 1966; PART V FILED MARCH 1, 1966 SPECIAL CONDITIONS P-18 REVISED NOVEMBER 21, 1966, HERETO ATTACHED.

IMPROVEMENTS	STD DWGS	SYMBOL
A.C. WATER MAIN & APPURTENANCES	W-6-59; W-61-60	
LEGEND EXISTING WORK	P-1-56	

REFERENCE DRAWINGS

6112-7 W

THE COST OF WATER MAIN CONNECTIONS ON THESE PLANS ARE AS FOLLOWS:

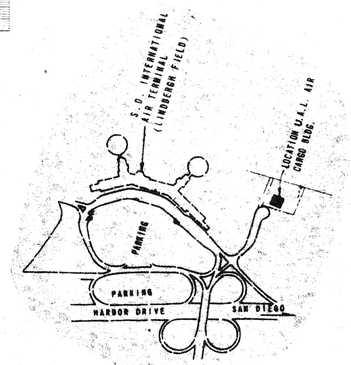
CONNECTION NO. 1 $ 971.00

CONNECTION NO. 2 $ 971.00

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3383
FILED JUN 28 1968
MICROFILM NO.
OFFICE OF THE CLERK

BENCH MARK

U.S.C.& G. DISC # K899 IN
NORTH FACE OF AEROSPACE BLDG.
ELEV: 15.851 (M.L.L.W. DATUM)



LOCATION MAP
NO SCALE

PRIVATE CONTRACT
ENGINEER OF DESIGN
CHRISTENSEN, EVENSON & ASSOCIATES
Bill K. Bramble
Bill K. Bramble, R.C.E 8102

APPROVALS	
CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
UTILITIES DIRECTOR	CHIEF ENGINEER
PUBLIC WORKS DIRECTOR	
DOCUMENT NO. 651932 FILED FEB. 15, 1963	CONVEYANCE DOCUMENT NO. 71 FILED FEB. 12, 1963

WATER EASEMENT- RELOCATION OF 16" LINE IN LINDBERGH FIELD N'ly of N. HARBOR DR. W'LY OF LAUREL ST. FOR UNITED AIRLINES CARGO BUILDING

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 36 OF 39 SHEETS

W.O. NO. 17430

CITY ENGINEER DATE

DIVISION HEAD

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	R.C.J.		6-14-68	

DESIGN ENGINEER

CONTROL CERTIFICATION

206-1707
LAMBERT COORDINATES

CONTRACTOR DATE STARTED
INSPECTOR DATE COMPLETED

11558-36-D

A-5781

A-5781

LINDBERGH FIELD

SCALE 1" = 50'

FOR ESMT SEE SHEET 11558-28-D

STA. 16+51.68

ABANDONED

FOR ESMT SHEET 11558-28-D

STREET

FOR ESMT. SEE SHEET 11558-27-D

LAUREL

Water esmt below M.H.T.L.
shown hatched

16" WATER MAIN

343'±

N. 0°

S. 0°

21+93.5

22'

59.88'

N24°

S 77° 21' 20" W

27'

25'

NLY LINE OF LAUREL ST PRODUCED N69° 47' 40E Per 6269-L

R/W LINE

Ref. Dwg.
6268-L, 6269-L
6270-L, 6271-L

HARBOR

NORTH

100'

49'

DRIVE

SAN DIEGO BAY

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3383
FILED JUN 28 1968
MICROFILM NO. 31
OFFICE OF THE CLERK

APPROVALS	
CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
R. E. Gralow UTILITIES DIRECTOR	J. P. Hellmuth CHIEF ENGINEER
PUBLIC WORKS DIRECTOR	
ORIGINAL CONVEYANCE DOCUMENT NO. 651633 FILED FEB. 17, 1965	ORIGINAL CONVEYANCE DOCUMENT NO. 71 FILED FEB. 16, 1965

WATER ESMT.- N.wly of Laurel St. & North Harbor Drive for 16" pipe line constructed 1-24-44

T. DELANEY

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 37 OF 39 SHEETS

W.O. NO. 17430

CITY ENGINEER — DATE — DIVISION HEAD

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	R.C.J.		6-24-68	

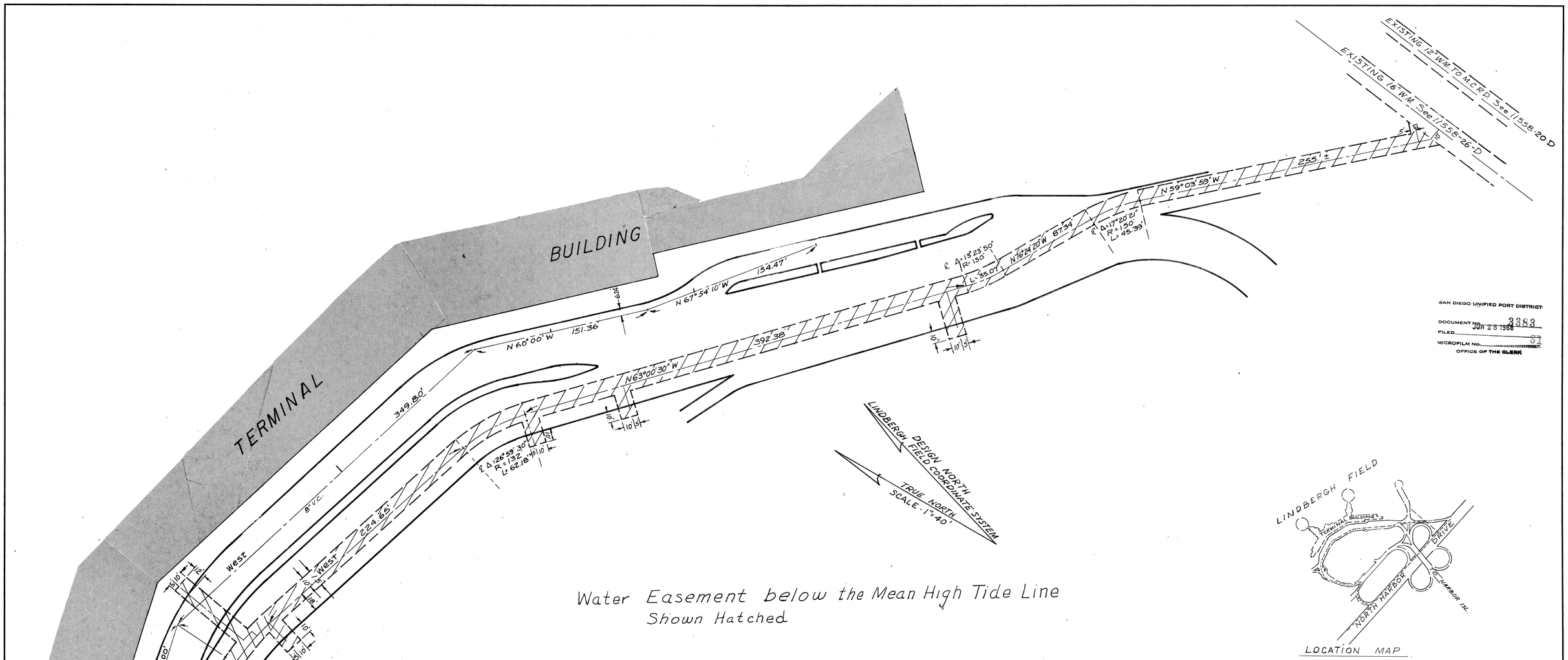
DESIGN ENGINEER

CONTROL CERTIFICATION

LAMBERT COORDINATES 209-1713

CONTRACTOR — DATE STARTED
INSPECTOR — DATE COMPLETED

11558-37-D



Water Easement below the Mean High Tide Line
Shown Hatched

REF DWG.
PORT DIST. DWGS.
707-3, 707-4,
707-8, 707-22
CITY DWGS.
13036-1-705 D

LOCATION MAP

SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 3383
FILED JUN 28 1966
MICROFILM NO.
OFFICE OF THE CLERK

APPROVALS	
CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
R. E. Hudson UTILITIES DIRECTOR	CHIEF ENGINEER
PUBLIC WORKS DIRECTOR	
ORIGINAL CONVEYANCE DOCUMENT NO. FILED FEB. 15, 19	ORIGINAL CONVEYANCE DOCUMENT NO. FILED FEB. 13, 1963

WATER EASEMENT - in Lindbergh Field Terminal Area for the Terminal Building

TIDELANDS

APPROVALS	
DEPARTMENTAL	ENG. DEPT. DIVISION OR SECTION
PLANNING	CONST. INSPECTION
PROPERTY	ELECTRICAL
PUBLIC WORKS	FIELD CHECK
RECREATION	GRADES AND DRAINS
UTILITIES	HIGHWAYS
	MONUMENTS
STRUCTURAL	PARKS
TRAFFIC	SEWERAGE
WATER	STREET ACTIONS

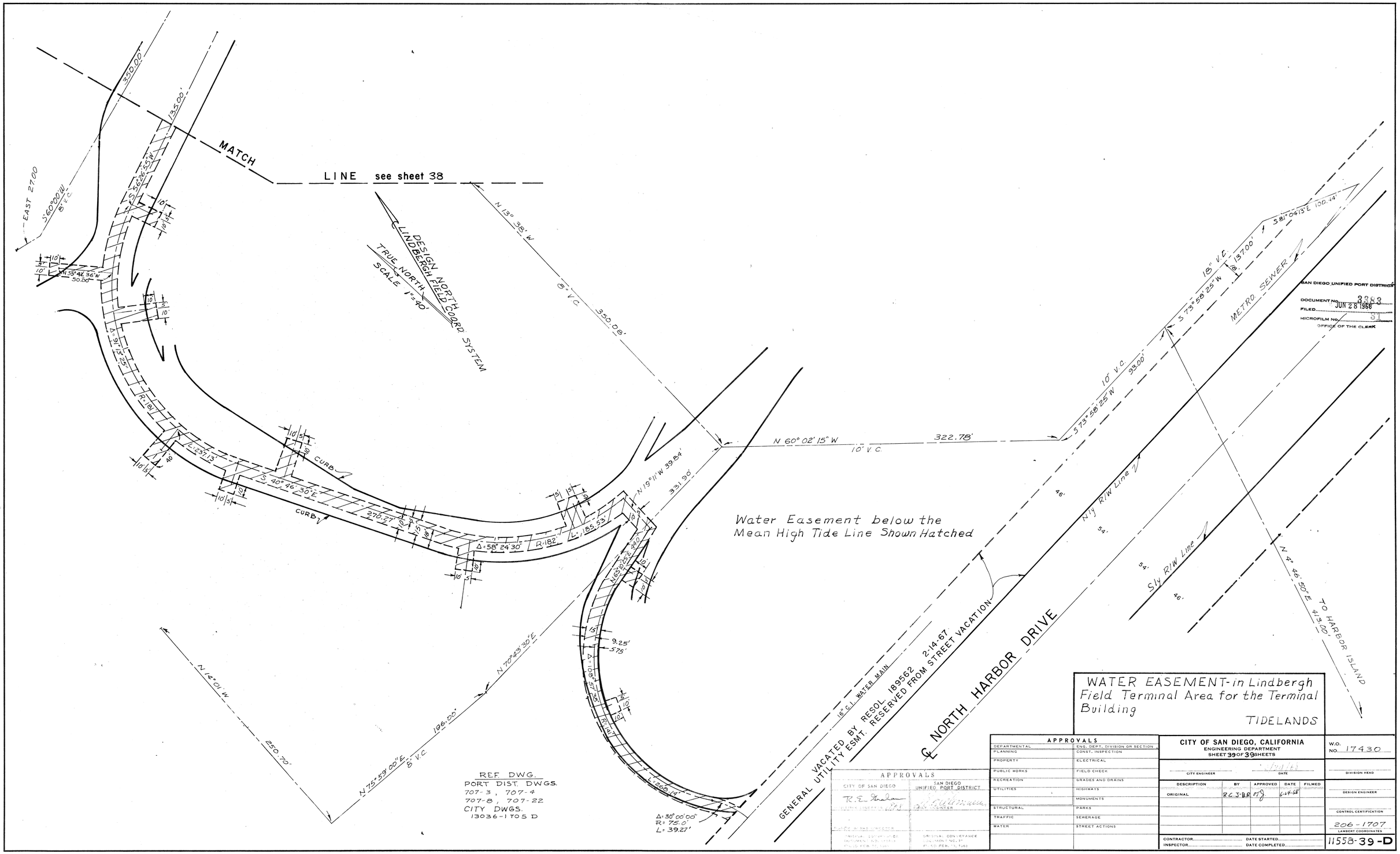
CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 38 OF 39 SHEETS

CITY ENGINEER — DATE

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	RJG	[illegible]	6-24-63	

CONTRACTOR — DATE STARTED
INSPECTOR — DATE COMPLETED

W.O. NO. 17430
DIVISION HEAD
DESIGN ENGINEER
CONTROL CERTIFICATION 206-1707
LAMBERT COORDINATES
11,558 38-D



SAN DIEGO UNIFIED PORT DISTRICT
DOCUMENT NO. 33883
FILED JUN 28 1968
MICROFILM NO. 57
OFFICE OF THE CLERK

REF. DWG.
PORT DIST. DWGS.
707-3, 707-4
707-8, 707-22
CITY DWGS.
13036-1105 D

WATER EASEMENT-in Lindbergh Field Terminal Area for the Terminal Building

TIDELANDS

APPROVALS	
DEPARTMENTAL	ENG. DEPT. DIVISION OR SECTION
PLANNING	CONST. INSPECTION
PROPERTY	ELECTRICAL
PUBLIC WORKS	FIELD CHECK
RECREATION	GRADES AND DRAINS
UTILITIES	HIGHWAYS
	MONUMENTS
STRUCTURAL	PARKS
TRAFFIC	SEWERAGE
WATER	STREET ACTIONS

APPROVALS	
CITY OF SAN DIEGO	SAN DIEGO UNIFIED PORT DISTRICT
R. E. Graham	J. Williamson
CITY ENGINEER	PORT ENGINEER
CHIEF INSPECTOR	
ORIGINAL SURVEY NOTE DOCUMENT NO. (IF ANY) FILED FOR RECORD	ORIGINAL CONVEYANCE DOCUMENT NO. FILED FEB. 13 1963

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 39 OF 39 SHEETS

CITY ENGINEER — DATE — DIVISION HEAD

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	R.C.J-B.R.		6-24-68	

DESIGN ENGINEER
CONTROL CERTIFICATION

CONTRACTOR — DATE STARTED
INSPECTOR — DATE COMPLETED

W.O. NO. 17430
206-1707 LAMBERT COORDINATES
11558-39-D