

- ### STORMWATER POLLUTION PLAN NOTES
- Every effort should be made to eliminate the discharge of non-stormwater from the project site at all times.
 - Eroded sediments and other pollutants must be retained on-site and may not be transported from the site via sheet flow, swales, area drains, natural drainage courses or wind.
 - Stockpiles of earth and other construction related materials must be protected from being transported from the site by the force of wind or water.
 - Fuels, oils, solvents, and other toxic materials must be stored in accordance with their labeling and are not to contaminate the soil and surface waters. All approved storage containers are to be protected from the weather. Spills must be cleaned up immediately and disposed of in a proper manner. Spills may not be washed into the drainage system.
 - Excess or waste concrete may not be washed into the public way or any other drainage system. Provisions shall be made to retain concrete wastes on-site until they can be disposed of as solid waste.
 - Trash and construction related solid wastes must be deposited into a covered receptacle to prevent contamination of rainwater and dispersal by wind.
 - Sediments and other materials may not be tracked from the site by vehicle traffic. The construction entrance roadways must be stabilized so as to inhibit sediments from being deposited into the public way. Accidental depositions must be swept up immediately and may not be washed down by rain or other means.
 - Any slopes with disturbed soils or denuded of vegetation must be stabilized so as to inhibit erosion by wind and water.
 - The following BMPs as outlined in, but not limited to, the latest edition of the California BMP Handbook (Construction) or California Stormwater Quality Handbook (Construction Site BMP Manual), may be required during the construction of this project (additional measures may be required if deemed appropriate by the Project Engineer or the Building Official):
- | EROSION CONTROL | NON-STORM WATER MANAGEMENT | HAZARDOUS WASTE MANAGEMENT |
|---|--|-----------------------------------|
| EC1 SCHEDULING | NS1 WATER CONSERVATION PRACTICES | WM5 CONTAMINATION SOIL MANAGEMENT |
| EC2 PRESERVATION OF EXISTING VEGETATION | NS2 PAVING AND GRINDING OPERATIONS | WM6 CONCRETE WASTE MANAGEMENT |
| EC3 HYDROSEEDING | NS3 TEMPORARY STREAM CROSSING | WM9 LIQUID WASTE MANAGEMENT |
| EC4 SOL BINDERS | NS4 ILLICIT CONNECTION/DISCHARGE | TEMPORARY SEDIMENT CONTROL |
| EC5 STRAW MULCH | NS5 POTABLE WATER/IRRIGATION | SE1 SILT FENCE |
| EC6 GEOTEXTILES & MATS | NS6 VEHICLE AND EQUIPMENT CLEANING | SE2 SEDIMENT BASIN |
| EC7 WOOD MULCHING | NS7 VEHICLE AND EQUIPMENT FUELING | SE3 SEDIMENT TRAP |
| EC8 EARTH DIKES AND DRAINAGE SWALES | NS8 PILE DRIVING OPERATIONS | SE4 CHECK DAM |
| EC9 VELOCITY DISSIPATION DEVICES | NS9 CONCRETE CURING | SE5 FIBER ROLLS |
| EC10 SLOPE DRAINS | NS10 MATERIAL AND EQUIPMENT USE | SE6 GRAVEL BAG BERM |
| EC11 STREAMBANK STABILIZATION | NS11 DEMOLITION ADJUNCT TO WATER | SE7 STREET SWEEPING AND VACUUMING |
| EC12 RESERVED | NS12 TEMPORARY BATCH PLANTS | SE8 SANDBAG BARRIER |
| EC13 COMPOST BLANKETS | WASTE MANAGEMENT AND MATERIALS POLLUTION CONTROL | SE9 STRAW BALE BARRIER |
| EC14 SOIL PREPARATION/ROUGHENING | WM1 MATERIAL DELIVERY AND STORAGE | SE10 STORM DRAIN INLET PROTECTION |
| EC15 NON-VEGETATED STABILIZATION | WM2 MATERIAL USE | SE11 ACTIVE TREATMENT SYSTEMS |
| | WM3 STOCKPILE MANAGEMENT | SE12 TEMPORARY SILT DIKE |
| | WM4 SPILL PREVENTION AND CONTROL | SE13 COMPOST SOCKS & BERMS |
| | WM5 SOLID WASTE MANAGEMENT | SE14 BIOFILTER BAGS |
- ### WIND EROSION CONTROL
- WE1 WIND EROSION CONTROL
- ### EQUIPMENT TRACKING CONTROL
- TC1 STABILIZED CONSTRUCTION ENTRANCE EXIT
TC2 STABILIZED CONSTRUCTION ROADWAY
TC3 ENTRANCE/OUTLET TIRE WASH
- ### LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
- | | |
|--|---|
| 2000-0 Legend for sanitary sewer plans and profiles and district maps. | 2021-1 Bedding for sewer pipe. |
| 2002-1 Precast concrete shallow manhole. | 2023-2 Grading and encasement. |
| 2003-2 Reinforced precast concrete manhole. | 2024-1 WYE or TEE support. |
| 2004-1 Rectangular shallow manhole. | 2026-1 Erosion protection in steep slopes. |
| 2014-1 Rectangular manhole frame and cover. | 2027-1 Allowable trench widths. |
| 2015-1 Standard manhole step. | 600B-1 Minimum public safety requirements. |
| | 2100-1 Requirement for sanitary sewers near water mains |
- ### STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION (SPPWC)
- | | |
|--|---|
| 200-3 Precast Concrete Sewer Manhole | 220-3 Chimneys |
| 204-2 Terminal cleanout structure | 221-2 Pipe anchors and backfill stabilizers |
| 207-2 Precast reinforced concrete manhole base breaking into existing manholes | 222-2 House connection sewer |
| 210-3 Manhole frame and cover locking type | 223-2 House connection retrofitting |
| | 225-2 Blanket protection for pipes |
- ### COUNTY SANITATION DISTRICT (CSD) NOTES
- No connection for the disposal of industrial wastes shall be made to sewers shown on these drawings until a permit for industrial wastewater discharge has been issued by the County Sanitation Districts for said connections.
 - Prior to final acceptance of the project, notify the CSD superintendent of maintenance at (310) 638-1161 to report completion of construction of this local sewer that indirectly connects to the CSD sewer system.
- ### NOTES
- Any damage to the sewer line shall be the responsibility of the contractor/owner. All grading and construction occurring over and the vicinity of the existing sewer shall be performed in the presence of a County inspector. Where applicable, the sewers shall be protected per Std. Plan 2023-2 at all significant crossings.

- ### PRIVATE CONTRACT SEWER GENERAL NOTES
- A sewer construction permit shall be obtained and a fee paid for construction inspection and record plans to the County of Los Angeles Department of Public Works at the Permit Counter, 900 South Fremont Avenue, 3rd Floor, Alhambra, at least 72 hours prior to starting work under this permit. Copies of all other required permits, such as road excavation, Caltrans, etc., must be filed with the permit application.
 - When work is within a contract city, a sewer construction permit shall be obtained and a fee paid for construction inspection and record plans to the City. The contractor must contact the Director of Public Works of that City to determine the location to pay the inspection fees.
 - Prior to issuance of any permit, the contractor shall file a permit for excavations and trenches from the State of California Division of Industrial Safety, and a Certificate of Worker's Compensation Insurance with the Department of Public Works named as the Certificate Holder or both as applicable. The County of Los Angeles Department of Public Works shall be notified 30 days prior to cancellation of the insurance policy.
 - If work is done in a State Highway, a permit must be obtained from the State of California Division of Highways, 120 South Spring Street, Los Angeles, California.
 - The contractor shall contact the district office listed on the "Application for Construction Permit" to arrange for an acceptable construction start date.
 - Approval of this plan by the County of Los Angeles Department of Public Works does not constitute a representation as to accuracy of the location of or the existence or nonexistence of any underground utility pipe or structure within the limits of this project. This note applied to all pages.
 - All work shall be in accordance with the latest approved edition of the "Standard Specification for Public Works Construction" including supplements (if there is any), the latest "Additions and Amendments to the Standard Specifications for Public Works Construction," and shall be prosecuted only in the presence of the County of Los Angeles Department of Public Works.
 - The contractor's attention is directed to Section 7-10.4.2 of the "Standard Specifications for Public Works Construction" in regard to safety orders and shall conform to the "Minimum Public Safety Requirement" as shown on County of Los Angeles Department of Public Works Standard Plan No. 600B-1.
 - Elevations are in feet above U.S.C. and G.S. sea level datum of 1988.
 - No revisions shall be made in these plans without the approval of the County of Los Angeles Department of Public Works.
 - No representative of the County of Los Angeles Department of Public Works will survey or layout any portion of the work.
 - Grades to which this improvement is to be constructed are shown on plans and profiles. Grade point for top of curb, centerline of streets, or centerline of alleys, is shown by circles on profiles at all points between said designed points. The grade shall be established so as to conform to a straight line drawn between said design points.
 - The private engineer shall furnish the County of Los Angeles Department of Public Work with grade sheets and stationing for all house laterals and "Y" and "T" branches and shall provide stakes for them at their proper locations with stationing plainly marked. All house laterals shall be constructed in a straight alignment at right angles from the main line sewer except as shown on plans. House laterals from chimneys shall not have an angle of less than 45 degrees with the M.L. sewer. Any change in alignment shall be requested in writing by the private engineer.
 - The private engineer shall furnish the house lateral depth at the top of curb elevation for each house lateral on the grade sheet.
 - An approved backwater valve is required when the pod is lower in elevation than the top of the next upstream manhole.
 - Contact Environmental Programs Division for an Industrial Waste Discharge Permit at (626) 458-3517.
- ### CONSTRUCTION NOTES
- Provide survey stakes on the property line or property lines produced at right angles to the sewer line at the centerline of each manhole.
 - Verified clay pipe joints shall be type "D" or "C" per "Standard Specifications for Public Works Construction" Section 208-2.
 - If a power pole is within three feet of the sewer, the sewer shall be encased, per LADCPW Standard Plan 2023-2, Case II, two feet on each side from the point of interference.
 - All joints between cast-iron pipe and verified clay shall be made with a rubber sleeve joint, type "D" (with bushing if necessary), per "Standard Specifications for Public Works Construction" Section 208-2.
 - House laterals to be constructed with inverts at the property line 6 feet below curb grade except as noted.
 - Wye or tee branches may be used for connections to the mainline sewers except as noted.
 - If during the course of construction it is determined that there is less than four feet of cover over the top of a mainline or house lateral V.C.P. sewer, which is not indicated on the plans, the pipes shall be encased per LADCPW Standard Plan 2023-2, Case II, unless otherwise approved by the County of Los Angeles Department of Public Works.
 - All structures shall be either brick sewer manholes per LADCPW Standard Plan S-3 (SPPWC 203-2), or precast concrete sewer manholes per LADCPW Standard Plan S-36 (SPPWC 200-3), or reinforced precast manhole per LADCPW Standard Plan 2003-2, except as noted.
 - Resurface all trenches within paved areas to meet Department of Public Work or California State Highway requirements in accordance with the permits.
 - Full compliance with Section 306-1.3 of the "Standard Specifications for Public Works Construction" will be required for backfill in street. Certification of backfill, compaction, and sand equivalents by a qualified Civil Engineer shall be provided by the permittees prior to the issuance of a Certificate of Partial Acceptance.
 - All backfill and fills outside of the street right of way shall be compacted to 90 percent of the maximum density as determined by ASTM Soil Compaction Test D 1557-78, Method "D", unless otherwise specified. This shall be certified by a qualified Civil Engineer. This certification shall be submitted to the Land Development Division, Permit Section of the County of Los Angeles Department of Public Works prior to the acceptance of the work by the County.
 - Manhole tops in unimproved rights of way to be six inches above finished grade.
 - Sewers to be tested for leakage per Section 306-1.4 of the "Standard Specification for Public Works Construction" and "Special Provisions for the Construction of Sanitary Sewer" if applicable.
 - Manhole tops in improved rights of way to be level with finished grade.
 - All wyes and/or house laterals are to be located at least 5 feet apart, and when possible, not closer than 5 feet to any manhole.
 - All pipe materials shall be extra strength verified clay pipe or ductile iron pipe or other approved materials by the County of Los Angeles Department of Public Works.
 - All Ductile iron pipe shall be lined with Protecto 401 Ceramic Epoxy lining.
 - Cured in place pipe liner shall be used for all extra verified clay pipe if lining is required.
 - All Chimneys shall have terminal cleanout structure per SPPWC std. plan 204-2, with traffic rated frame and cover.
- ### ENGINEER'S/SURVEYOR'S STATEMENT REGARDING THE PRESENCE OF MONUMENTS WITHIN PROJECT LIMITS
- I hereby attest that I have located and referenced on these plans the monuments existing prior to construction to ensure perpetuation of their location in accordance with section 8771.1 of the business and professions code. I further attest that I have performed a record search and field inspection to identify existing monuments; shall set sufficient controlling, witness, and permanent monuments; and shall file the requisite corner record or record of survey of the references with the County surveyor.
- 01-30-2018
DATE

PROFILE, ALIGNMENT AND GRADE OF SANITARY SEWERS TO BE CONSTRUCTED IN TRACT NO. 73465 PRIVATE CONTRACT NO. 12387 3 SHEETS; 6 PAGES COUNTY OF LOS ANGELES CALIFORNIA CSMD INDEX 1645 EIMP 2017000475

Mark Pestello LA COUNTY DIRECTOR OF PUBLIC WORKS
APPROVED BY LAND DEVELOPMENT DIVISION 2/7/18
DATE
BY ASSISTANT DIVISION ENGINEER
SUBMITTED 2/6/18
DATE
BY FINAL MAPS, SEWER AND LANDSCAPING SUBDIVISION PLAN CHECKING SECTION

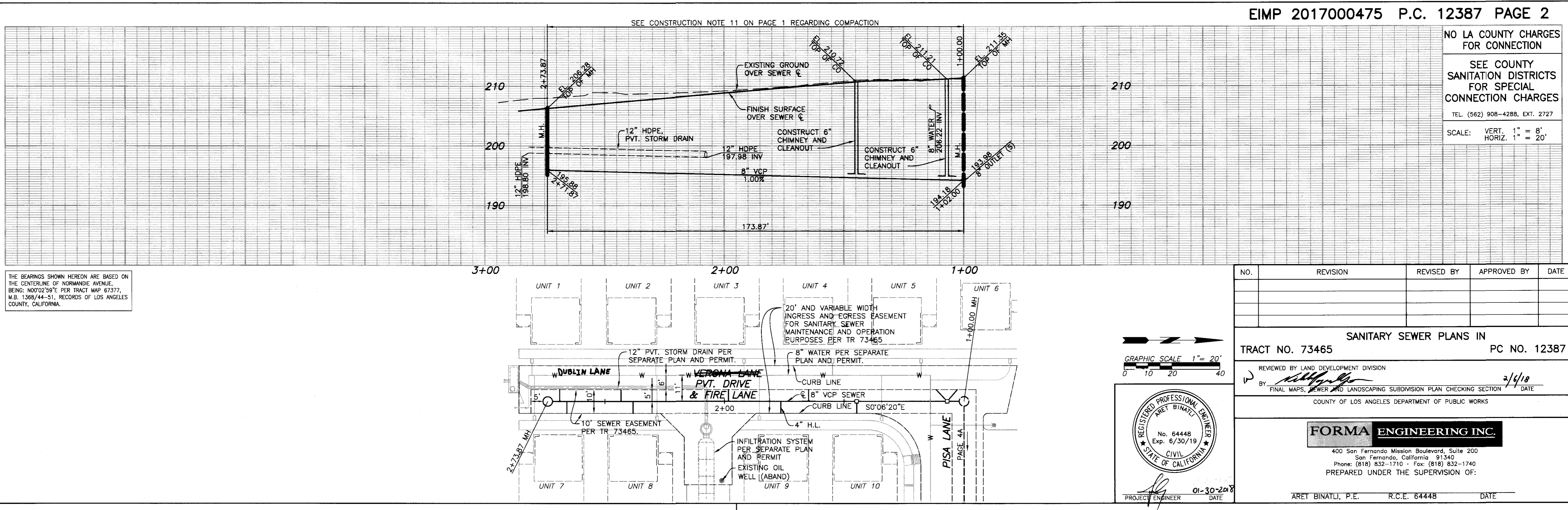
COUNTY SANITATION DISTRICT NO. 5
OF LOS ANGELES COUNTY, CALIFORNIA
GRACE ROBINSON HYDE - CHIEF ENGINEER AND GENERAL MANAGER
APPROVED BY DATE: 2/12/18
OFFICE ENGINEERING COUNTER

REGISTERED PROFESSIONAL ENGINEER
ARET BINATLI
No. 64448
Exp. 8/30/19
CIVIL
STATE OF CALIFORNIA

PS007697

PRIVATE ENGINEERS NOTICE TO CONTRACTORS:
THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS IS REQUIRED BY A SEARCH OF AVAILABLE RECORDS TO THE BEST OF OUR KNOWLEDGE. THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THIS MAP. THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THIS DRAWING. PRIOR TO EXCAVATION THE CONTRACTOR SHALL CALL TOLL FREE: 1-800-422-4133 TO VERIFY THE UNDERGROUND LOCATION OF GAS AND TELEPHONE LINES. THE CONTRACTOR SHALL ALSO CALL MR. RAY CUMMINGS OF GENERAL TELEPHONE COMPANY AT 1-805-948-4871 SO THAT THEY CAN MARK THE LOCATION OF UNDERGROUND TELEPHONE LINES.

01-30-2018
DATE
ARET BINATLI, P.E. PROJECT ENGINEER R.C.E. 64448



THE BEARINGS SHOWN HEREON ARE BASED ON THE CENTERLINE OF NORMANDIE AVENUE, BEING: N00°02'59\"/>

EIMP 2017000475 P.C. 12387 PAGE 2

NO LA COUNTY CHARGES FOR CONNECTION
SEE COUNTY SANITATION DISTRICTS FOR SPECIAL CONNECTION CHARGES
TEL: (562) 908-4288, EXT. 2727
SCALE: VERT. 1" = 8'
HORIZ. 1" = 20'

NO.	REVISION	REVISED BY	APPROVED BY	DATE

SANITARY SEWER PLANS IN TRACT NO. 73465 PC NO. 12387

REVIEWED BY LAND DEVELOPMENT DIVISION
BY 2/6/18
DATE
FINAL MAPS, SEWER AND LANDSCAPING SUBDIVISION PLAN CHECKING SECTION
COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

FORMA ENGINEERING INC.
400 San Fernando Mission Boulevard, Suite 200
San Fernando, California 91340
Phone: (818) 832-1710 Fax: (818) 832-1740
PREPARED UNDER THE SUPERVISION OF:

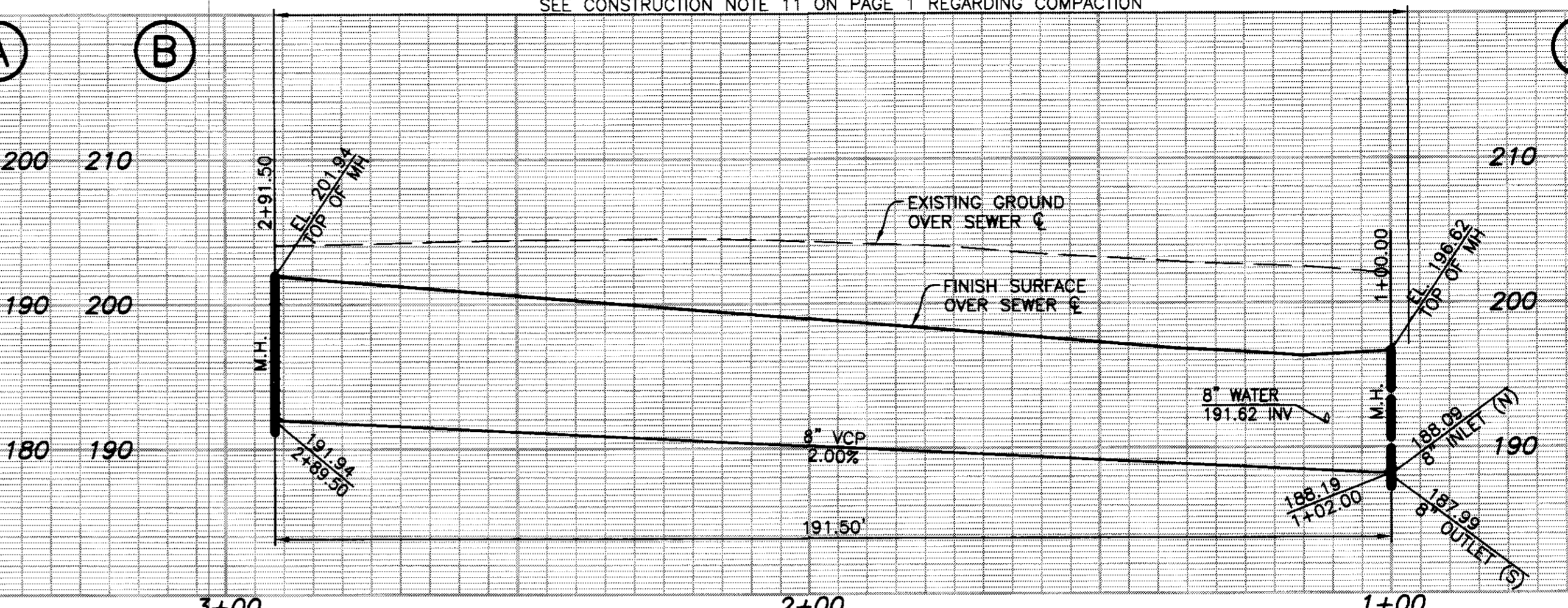
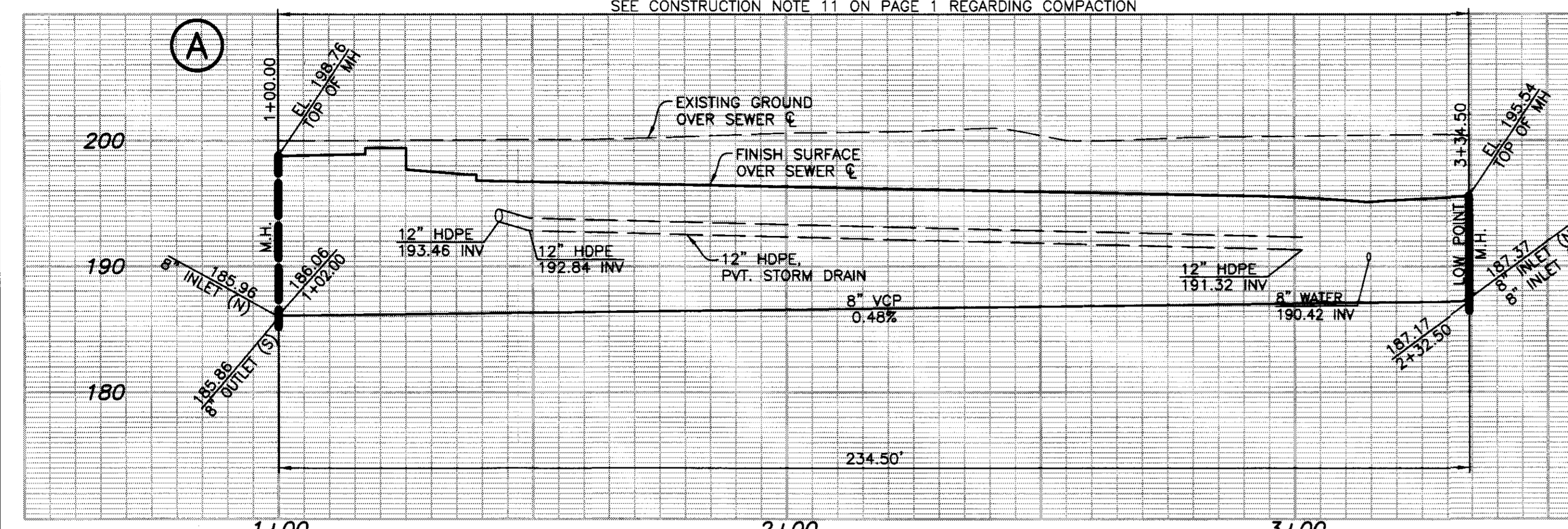
REGISTERED PROFESSIONAL ENGINEER
ARET BINATLI
No. 64448
Exp. 6/30/19
CIVIL
STATE OF CALIFORNIA

01-30-2018
DATE
PROJECT ENGINEER

ARET BINATLI, P.E. R.C.E. 64448 DATE

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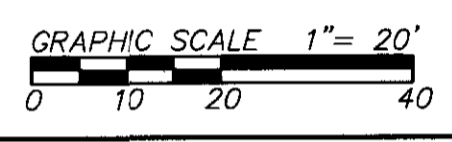
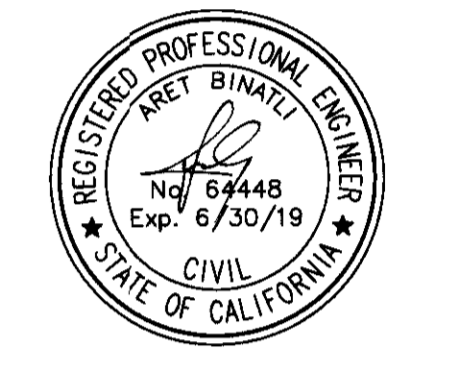
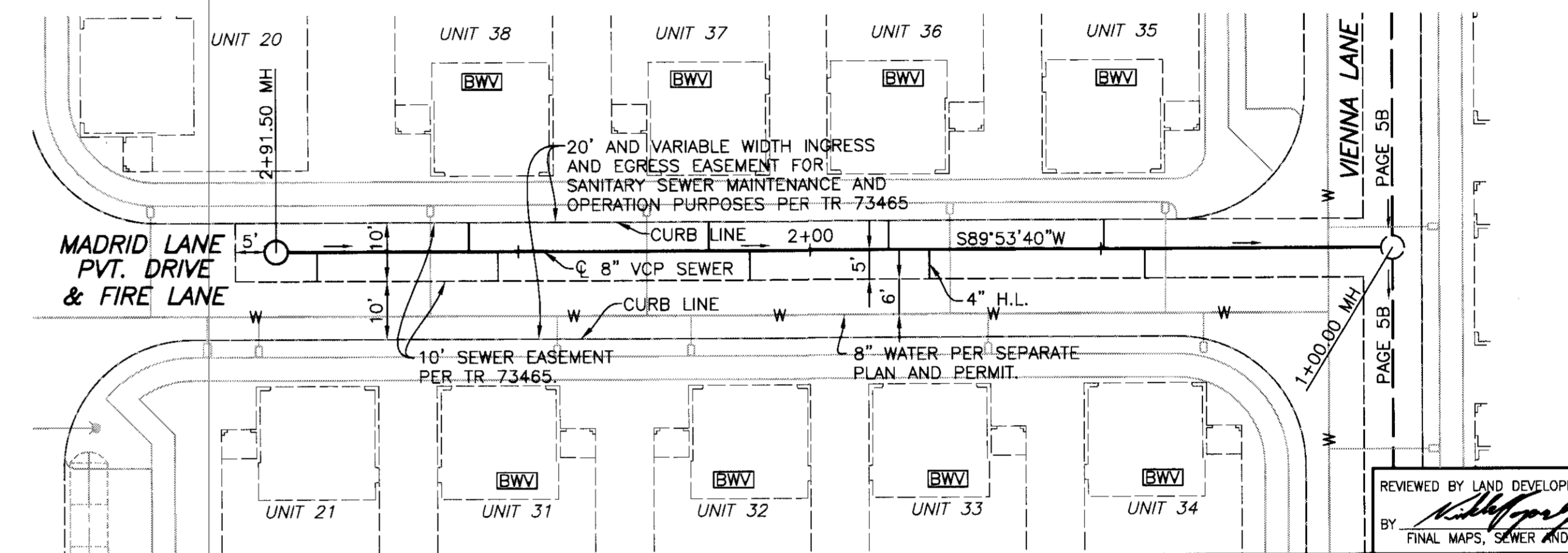
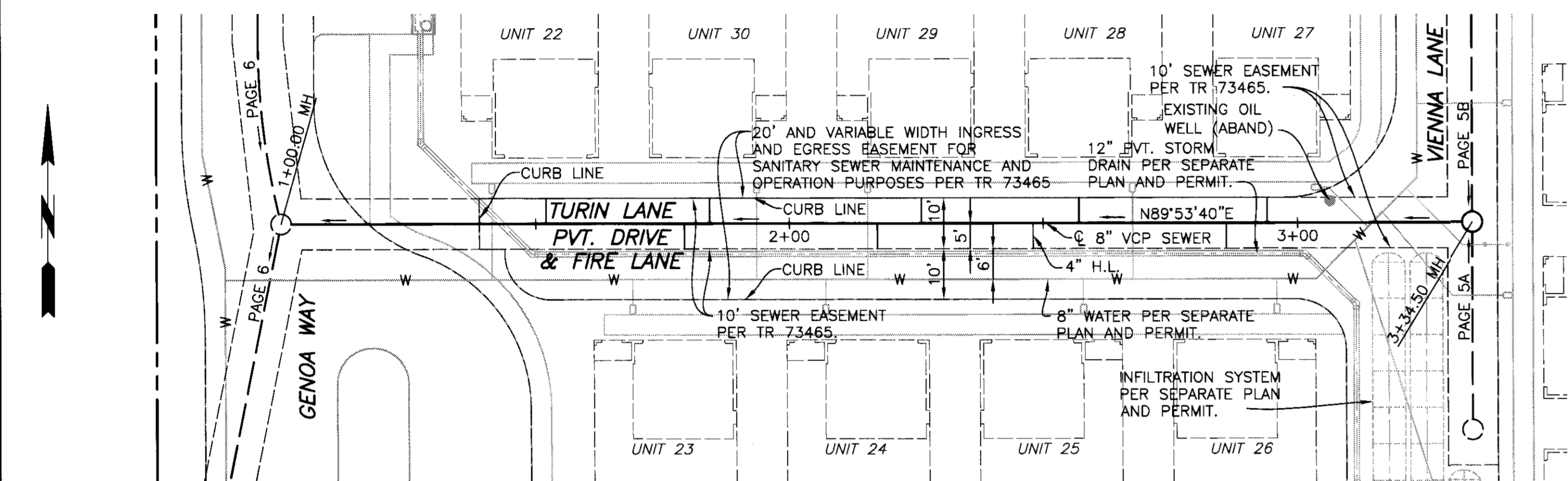


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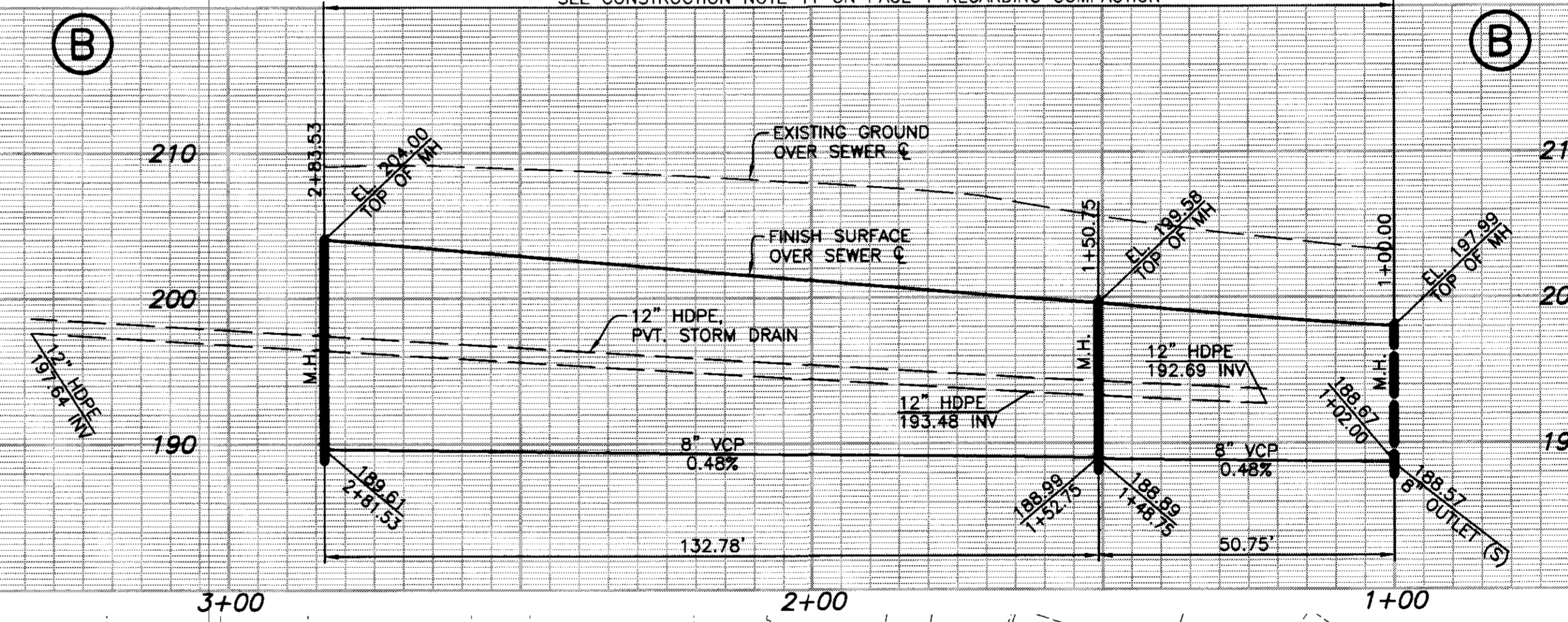
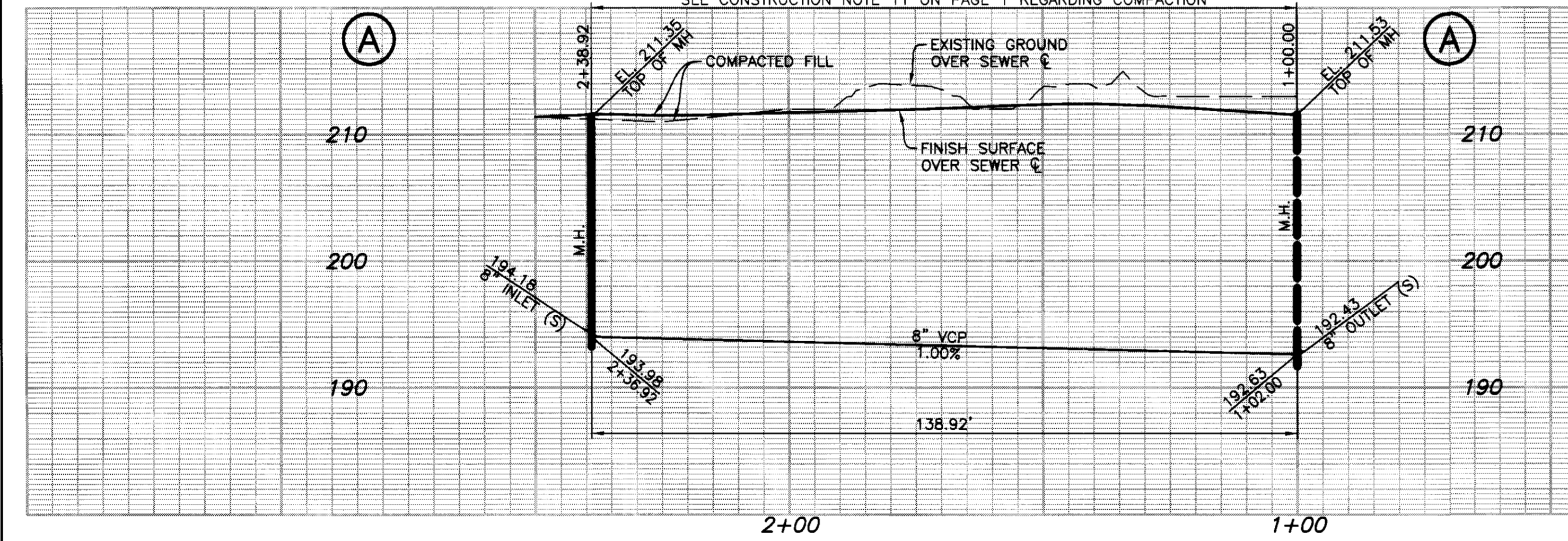
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HORIZ. 1" = 20'



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BY: [Signature] DATE: 2/1/18

FINAL MAPS, SEWER AND LANDSCAPING SUBDIVISION PLAN CHECKING SECTION

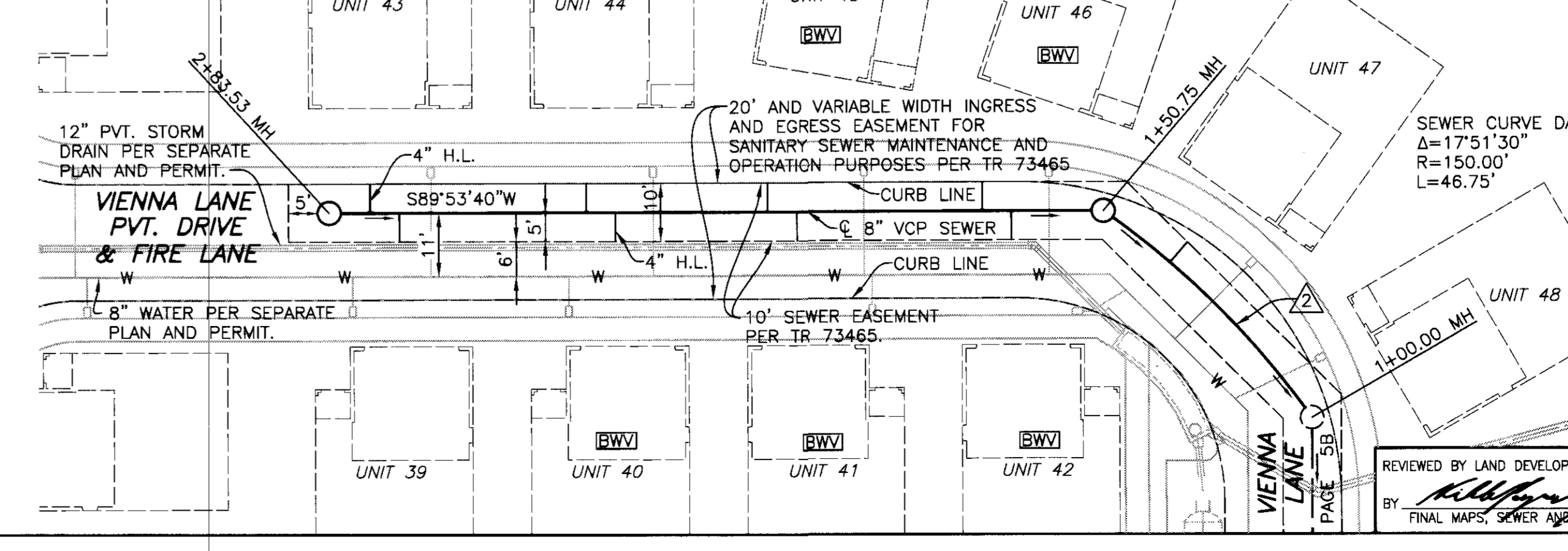
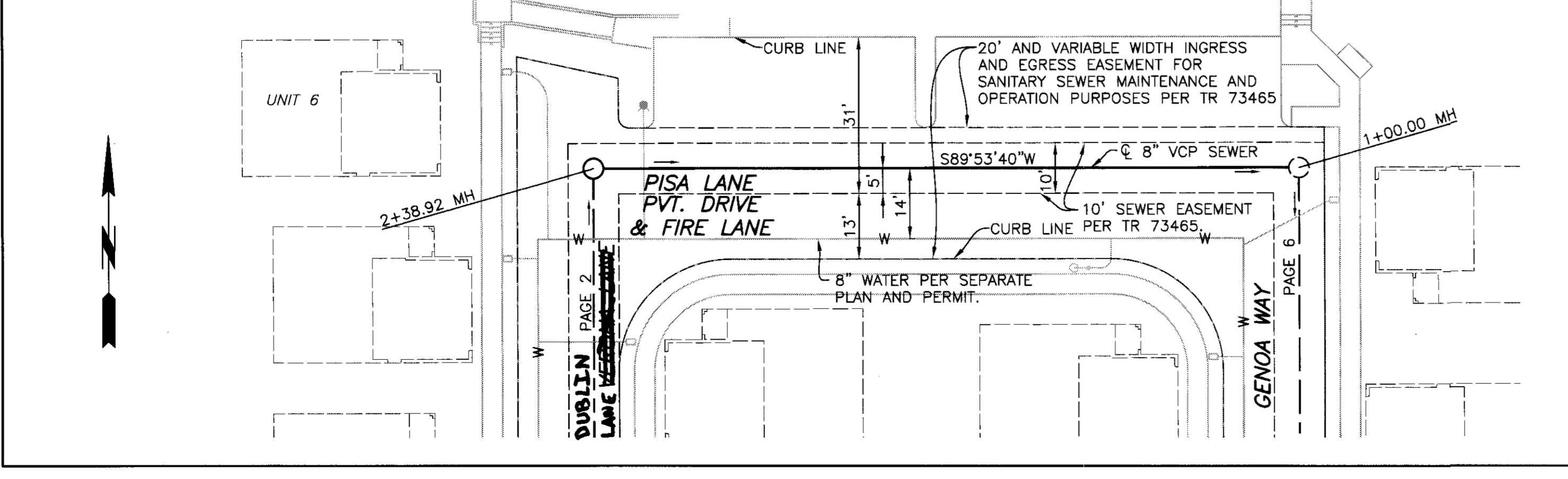


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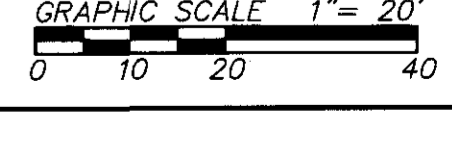
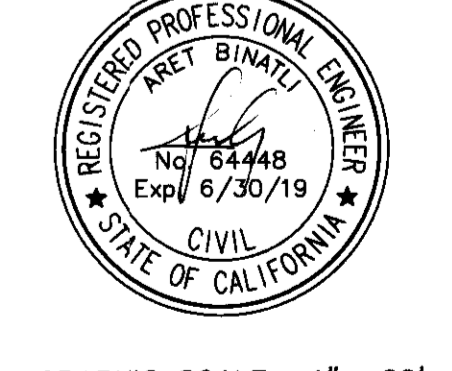
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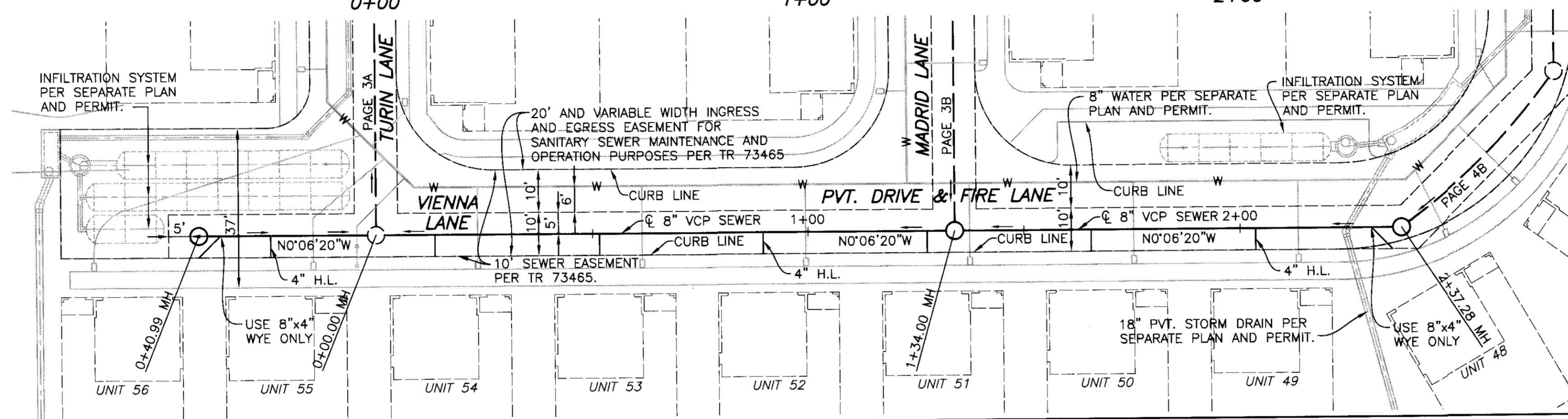
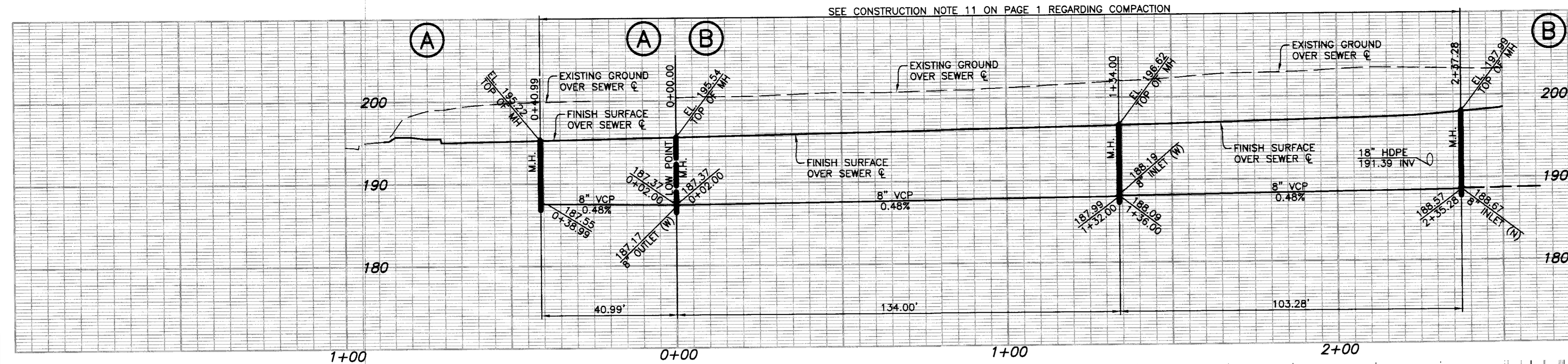
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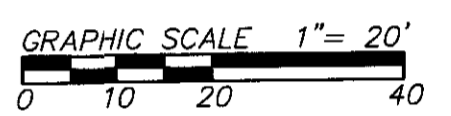
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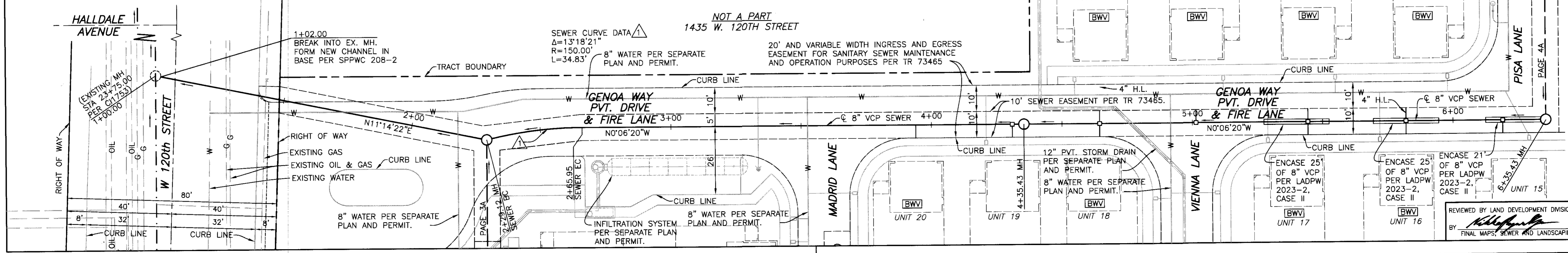
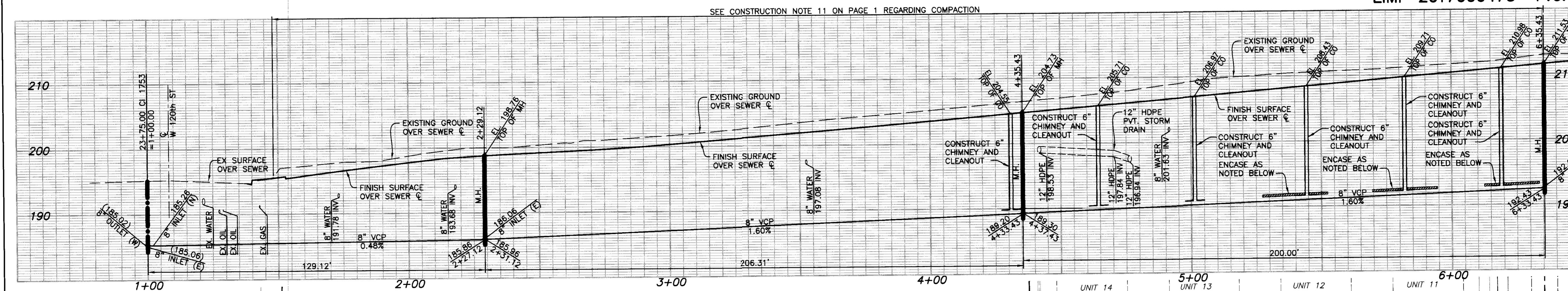


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