

PROFILE, ALIGNMENT, AND GRADE OF
SANITARY SEWERS

TO BE CONSTRUCTED IN

TRACT NO. 78226

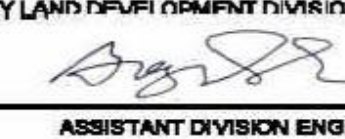
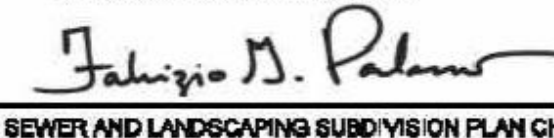
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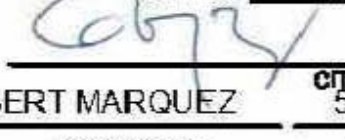
7 SHEETS: 12 PAGES

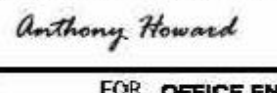
COUNTY OF LOS ANGELES CALIFORNIA

CSMD INDEX N-1224 & N-1263

EIMP 2019000645

MARK PESTRELLA LA COUNTY DIRECTOR OF PUBLIC WORKS	
RECOMMENDED BY LAND DEVELOPMENT DIVISION	
BY 	7-17-2020
ASSISTANT DIVISION ENGINEER	
DATE	
SUBMITTED BY 	
7-16-2020	
FINAL MAPS, SEWER AND LANDSCAPING SUBDIVISION PLAN CHECKING SECTION	
DATE	

CITY OF CARSON APPROVAL	
APPROVED BY 	7-22-2020
GILBERT MARQUEZ	CITY ENGINEER
PRINT NAME	RCE
DATE	

COUNTY SANITATION DISTRICT NO. 8	
OF LOS ANGELES COUNTY, CALIFORNIA	
ROBERT C. FERRANTE - CHIEF ENGINEER AND GENERAL MANAGER	
APPROVED BY 	7/27/2020
FOR OFFICE ENGINEER	DATE

BENCH MARK: USGS C1452
164.392M (50.107 FT) MWD BR DISK 1.2M(4") N/O CF
@ E END C.B. @ NE COR VICTORIA ST & CENTRAL AVE
29.5M(97') E/O & 14M(46') N/O C/L INT MKD (MPS 27 1995)
B.M. NO. Y-11318
ELEV. 50.107 FEET ADJUSTMENT 2005

PER TITLE 20.24, 140 OF LA COUNTY
CODE, OBSTRUCTING ACCESS TO
SEWER FACILITIES IS PROHIBITED.
NO OBJECT DIFFICULT TO REMOVE
SHALL BE LOCATED OVER THE
SEWER EASEMENT(S) AS TO
INTERFERE WITH READY ACCESS
TO SEWER FACILITIES.

STORMWATER POLLUTION PLAN NOTES

A. 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 FORCES OF WIND OR WATER.
- FUELS, OILS, SOLVENTS, AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTING 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 SWEEPED UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS.
- ANY SLOPES WITH DISTURBED SOILS OR DENUDE 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 CALTRANS STORMWATER QUALITY HANDBOOKS (CONSTRUCTION SITE BMP MANUAL), MAY APPLY DURING THE CONSTRUCTION OF THIS PROJECT (ADDITIONAL MEASURES MAY BE REQUIRED IF DEEMED APPROPRIATE BY THE PROJECT ENGINEER OR THE BUILDING OFFICIAL)

EROSION CONTROL

- EC1 SCHEDULING
- EC2 PRESERVATION OF EXISTING VEGETATION
- EC3 HYDRAULIC MULCH
- EC4 HYDROSEEDING
- EC5 SOIL BINDERS
- EC6 STRAW MULCH
- EC7 GEOTEXTILES & MATS
- EC8 WOOD MULCHING
- EC9 EARTH DIKES AND DRAINAGE SWALES
- EC10 VELOCITY DISSIPATION DEVICES
- EC11 SLOPE DRAINS
- EC12 STREAMBANK STABILIZATION
- EC13 RESERVED
- EC14 COMPOST BLANKETS
- EC15 SOIL PREPARATION/ROUGHENING
- EC16 NON-VEGETATED STABILIZATION

WIND EROSION CONTROL

WE1 WIND EROSION CONTROL

EQUIPMENT TRACKING CONTROL

- TC1 STABILIZED CONSTRUCTION ENTRANCE EXIT
- TC2 STABILIZED CONSTRUCTION ROADWAY
- TC3 ENTRANCE/OUTLET TIRE WASH

B. STANDARD PLANS:

THE FOLLOWING LATEST REVISED STANDARD PLANS ON FILE IN THE OFFICE OF THE FOLLOWING DEPARTMENT SHALL APPLY IN THE CONSTRUCTION OF THIS PROJECT.

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	CRADLING AND ENCASEMENT.
2003-2	REINFORCED PRECAST CONCRETE MANHOLE	2024-1	WYE OR TEE SUPPORT
2004-1	RECTANGULAR SHALLOW MANHOLE	2025-1	EROSION PROTECTION IN STEEP SLOPES
2014-1	RECTANGULAR MANHOLE FRAME AND COVER	2027-1	ALLOWABLE TRENCH WIDTHS.
2015-1	STANDARD MANHOLE STEP.	2028-1	MINIMUM PUBLIC SAFETY REQUIREMENTS.
		2100-1	REQUIREMENTS FOR SANITARY SEWERS NEAR WATER MAINS
		220-3	CHIMNEYS
		221-2	PIPE ANCHORS AND BACKFILL STABILIZERS
		207-2	REINFORCED CONCRETE MANHOLE BASE
		222-2	HOUSE CONNECTION SEWER
		223-2	HOUSE CONNECTION REMODELING
		225-2	BLANKET PROTECTION FOR PIPES

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION (SPPWC)

- 200-3 PRECAST CONCRETE SEWER MANHOLE
 - 204-2 TERMINAL CLEANOUT STRUCTURE
 - 207-2 PRECAST REINFORCED CONCRETE MANHOLE BASE
 - 208-2 BREAKING INTO EXISTING MANHOLE
 - 210-3 MANHOLE FRAME AND COVER LOCKING TYPE
- 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.
 - VITRIFIED CLAY PIPE JOINTS SHALL BE TYPE "D" OR "G" 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 LACPDW STANDARD PLAN 2023-2, CASE II, TWO FEET ON EACH SIDE FROM THE POINT OF INTERFERENCE.
 - ALL JOINTS BETWEEN CAST-IRON PIPE AND VITRIFIED 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 LACPDW STANDARD PLAN 2023-2, CASE II, UNLESS OTHERWISE APPROVED BY THE LOS ANGELES COUNTY PUBLIC WORKS OR THE CITY OF CARSON.
 - ALL STRUCTURES SHALL BE EITHER BRICK SEWER MANHOLES PER LACPDW STANDARD PLAN S-3 (SPPWC 203-2), OR PRECAST CONCRETE SEWER MANHOLES PER LACPDW STANDARD PLAN S-36 (SPPWC 209-3), OR REINFORCED PRECAST MANHOLE PER LACPDW STANDARD PLAN 2003-2, EXCEPT AS NOTED.
 - RESURFACE ALL TRENCHES WITHIN PAVED AREAS TO MEET LOS ANGELES COUNTY PUBLIC WORKS OR CALIFORNIA STATE HIGHWAY REQUIREMENTS IN ACCORDANCE WITH THE PERMITS.
 - FULL COMPLIANCE WITH SECTION 308-1.3 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 PERMITTEE 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 OR THE CITY OF CARSON PRIOR TO THE CARSON ACCEPTANCE OF THE WORK BY THE COUNTY OR THE CITY OF CARSON.
 - MANHOLE TOPS IN UNIMPROVED RIGHTS OF WAY TO BE SIX INCHES ABOVE FINISHED GRADE.
 - SEWERS TO BE TESTED FOR LEAKAGE PER SECTION 308-1.4 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 VITRIFIED CLAY PIPE OR DUCTILE IRON PIPE OR OTHER APPROVED MATERIALS BY LOS ANGELES COUNTY PUBLIC WORKS OR THE CITY OF CARSON.
 - ALL DUCTILE IRON PIPE SHALL BE LINED WITH PROTECTO 401 CERAMIC EPOXY LINING.
 - CURED IN PLACE PIPE LINER SHALL BE USED FOR ALL EXTRA VITRIFIED 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.

LOS ANGELES COUNTY SANITATION DISTRICTS (LACSD) NOTES:

- NO CONNECTION FOR THE DISPOSAL OF INDUSTRIAL WASTES SHALL BE MADE TO SEWERS SHOWN ON THESE PLANS UNTIL A PERMIT FOR INDUSTRIAL WASTE WATER DISCHARGE HAS BEEN ISSUED BY LACSD FOR SAID CONNECTION.
- LACSD WILL NOT OWN/ OPERATE ANY FACILITIES SHOWN ON THE PLANS UNLESS ALREADY OWNED BY LACSD OR UNLESS OTHERWISE SPECIFIED OR NOTED ON THESE PLANS.
- PRIOR TO FINAL ACCEPTANCE OF THE PROJECT, NOTIFY THE LACSD SUPERINTENDENT OF MAINTENANCE AT (310) 638-1181 TO REPORT COMPLETION OF THIS LOCAL SEWER THAT INDIRECTLY DISCHARGES INTO THE LACSD 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.

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 6771 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.

ENGINEER/SURVEYOR
SEAL AND SIGNATURE

7/13/2020

DATE



PROJECT ENGINEER DATE

PRIVATE CONTRACT SEWER GENERAL NOTES:

THE FOLLOWING GENERAL NOTES ARE TO BE INCLUDED ON PAGE 1 OF ALL PRIVATE CONTRACT SEWER PLANS:

- A SEWER CONSTRUCTION PERMIT SHALL BE OBTAINED AND A FEE PAID FOR CONSTRUCTION INSPECTION AND RECORD PLANS TO THE LA COUNTY PUBLIC WORKS AT [HTTPS://EPICLA.LACOUNTY.GOV](https://epicla.lacounty.gov) AT LEAST 4 WEEKS PRIOR TO YOUR DESIRED START-UP DATE. 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.
- WHEN WORK IS ENCRUISING INTO FLOOD CONTROL DISTRICT EASEMENT AND/OR CROSSING ITS FACILITIES, A FLOOD CONTROL PERMIT SHALL BE OBTAINED FROM THE LA COUNTY FLOOD CONTROL DISTRICT AT [HTTPS://EPICLA.LACOUNTY.GOV](https://epicla.lacounty.gov) AT LEAST 4 WEEKS PRIOR TO YOUR DESIRED START-UP DATE. IF YOU NEED ADDITIONAL INFORMATION, YOU MAY CONTACT LAND DEVELOPMENT DIVISION - PERMITS SECTION PUBLIC COUNTER AT 626-458-4821.
- 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 OR WORKER'S COMPENSATION INSURANCE WITH THE DEPARTMENT OF PUBLIC WORKS OR THE CITY OF CARSON NAMED AS THE CERTIFICATE HOLDER OR BOTH AS APPLICABLE. THE COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS AND/OR THE CITY OF CARSON 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 LA COUNTY PUBLIC WORKS OR THE CITY OF CARSON DOES NOT CONSTITUTE A REPRESENTATION AS TO ACCURACY OF THE LOCATION OF OR THE EXISTENCE OR NON-EXISTENCE 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 (SPPWC)", AND SHALL BE PROSECUTED ONLY IN THE PRESENCE OF THE LA COUNTY PUBLIC WORKS OR THE CITY OF CARSON.
- THE CONTRACTOR'S ATTENTION IS DIRECT 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 LA COUNTY PUBLIC WORKS STANDARD PLAN NO. 6008-1.
- ELEVATIONS ARE IN FEET ABOVE U.S. SEA LEVEL DATUM OF 1988.
- NO REVISIONS SHALL BE MADE IN THESE PLANS WITHOUT THE APPROVAL OF THE LA COUNTY PUBLIC WORKS OR THE CITY OF CARSON.
- NO REPRESENTATIVE OF THE LA COUNTY PUBLIC WORKS OR THE CITY OF CARSON 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 CURBS, 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 LA COUNTY PUBLIC WORKS OR THE CITY OF CARSON 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 THE 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 PROPERTY LINE BELOW THE TOP OF CURB ELEVATION FOR EACH HOUSE LATERAL ON THE GRADE SHEET.
- AN APPROVED BACKWATER VALVE IS REQUIRED WHEN THE PAD 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.

"AS BUILT PLANS"

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.

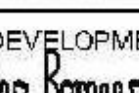


PROJECT ENGINEER RCE NO.

7/13/20

DATE

AS BUILT-ADD LATERAL STATIONS		8/16/22
NO.	REVISION	REVISED BY
ADD PHASING, CAP SEWER AND REMOVE CAP		11/09/20
LOWERED SEWER MAIN ON PAGES 11 & 12		9/15/20

SANITARY SEWER PLANS IN CITY OF CARSON	
TRACT NO. 78226	PC NO. 18-7
REVIEWED LAND DEVELOPMENT DIVISION	
BY 	07/16/2020
FINAL MAPS, SEWER AND LANDSCAPING SUBDIVISION PLAN CHECK SECTION	
DATE	
LOS ANGELES COUNTY PUBLIC WORKS	
FOR PLAN CHECK REVIEW FOR THE CITY OF	
SIKAND ENGINEERING ASSOCIATES CONSULTING ENGINEERS 15230 BURBANK BLVD., VAN NUYS, CALIFORNIA 91411 (818) 787-8550	



PC 18-7 EIMP 2019000645 SHEET 1 OF 7

DPW.LACOUNTY.GOV 15-SS-01 - 08/2019

NO CITY PUBLIC WORKS CHARGES FOR CONNECTION

SEE LOS ANGELES COUNTY SANITATION DISTRICTS FOR SPECIAL CONNECTION CHARGES

TEL: (562) 908-4288 EX. 2727

SCALE: VERT. 1" = 4'
HORIZ. 1" = 20'

DOUBLE SCALE

EIMP 2019000645

REVIEWED BY LAND DEVELOPMENT DIVISION

BY **Pedro Romero**
FINAL MAPS, SEWER AND LANDSCAPING
SUBDIVISION PLAN CHECKING SECTION
DATE 07/16/20

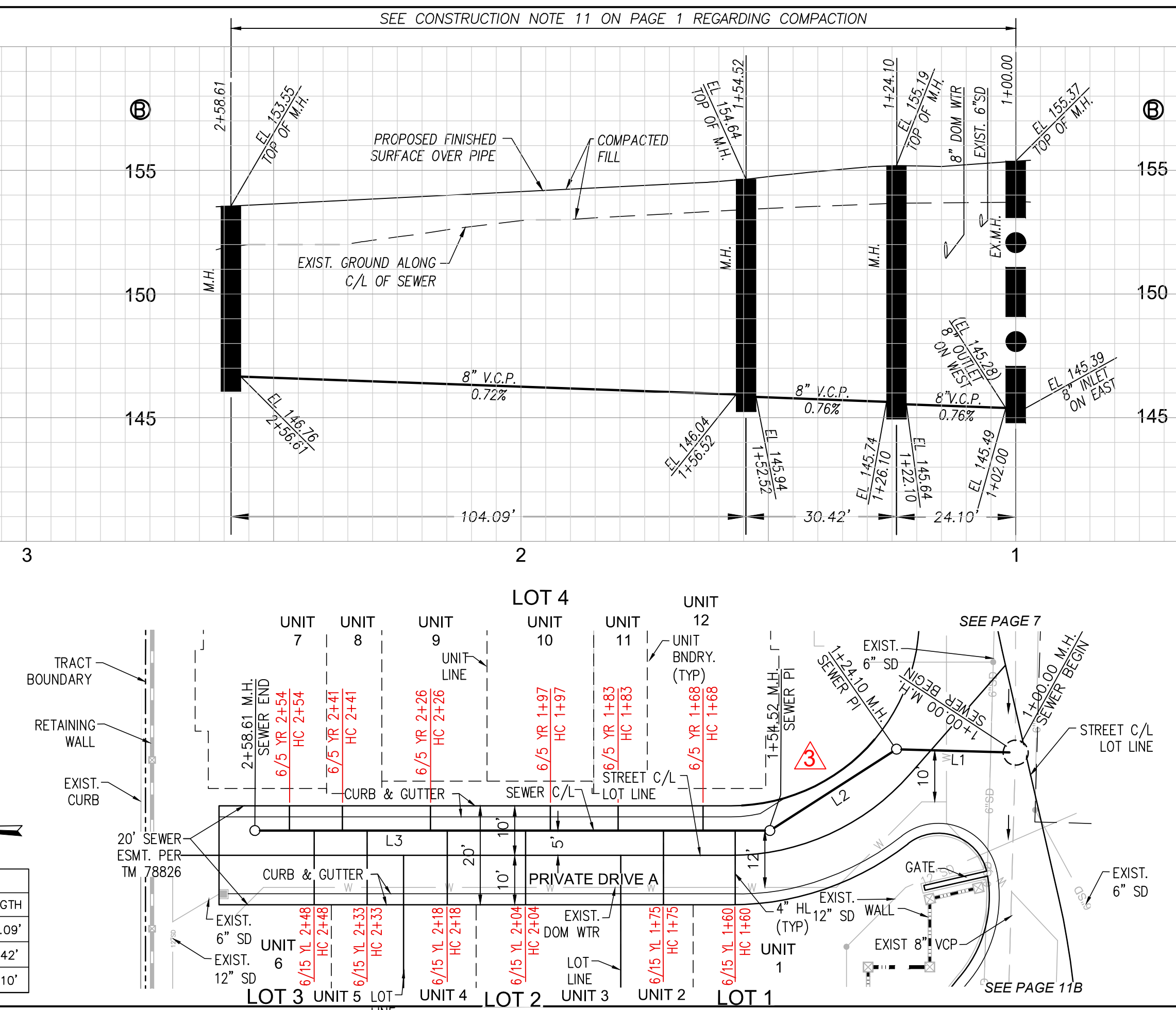
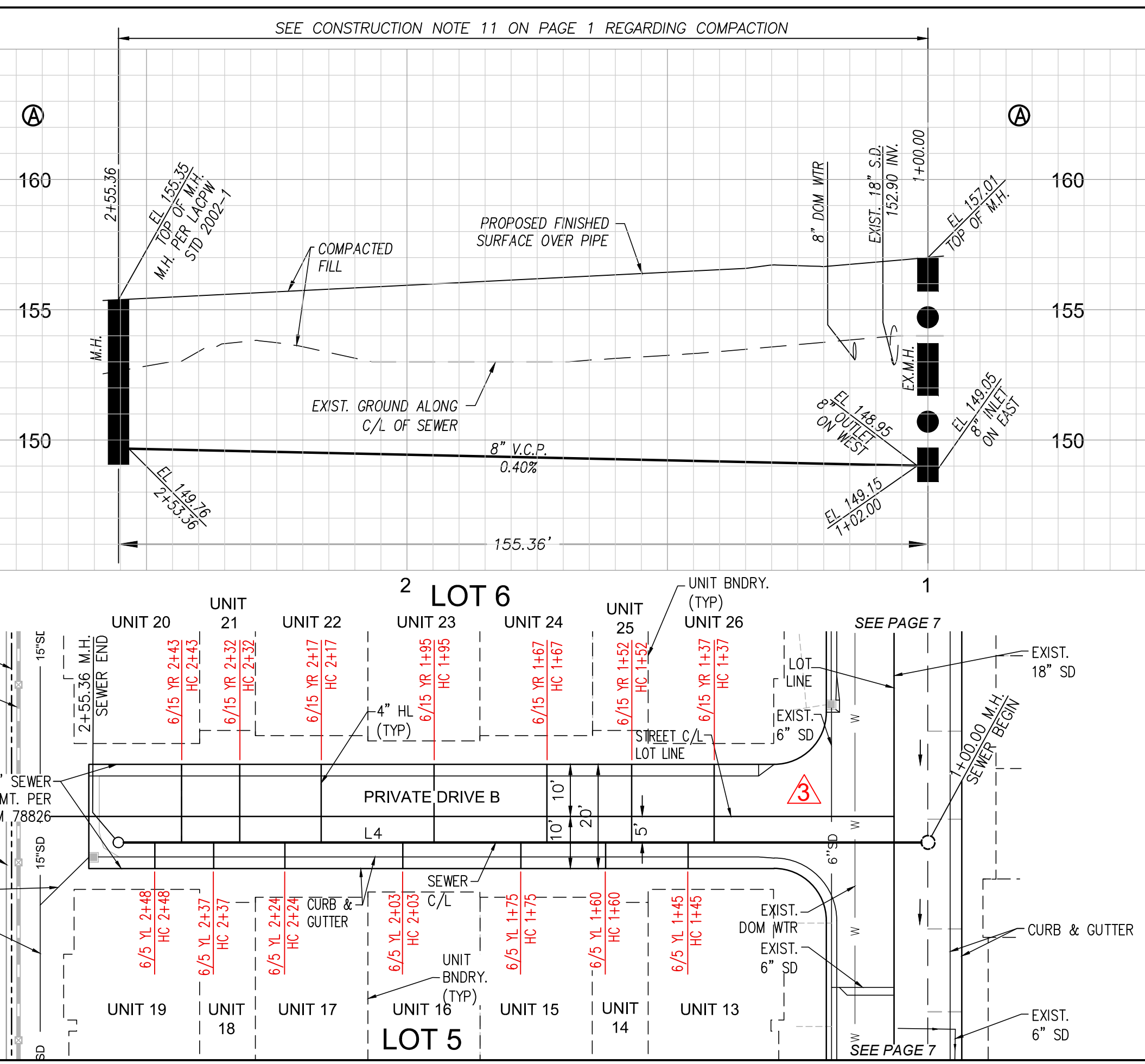
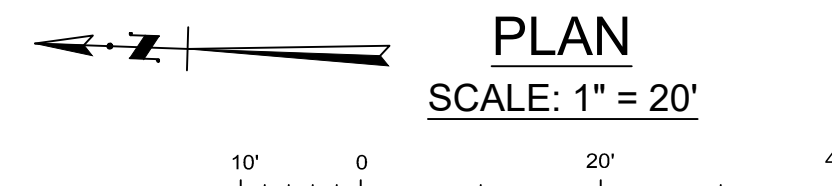
NO.	REVISION	REVISED BY	APPROVED BY	DATE
1	AS BUILT-ADD LAT STA.			08/16/22

LINE TABLE		
LINE	DIRECTION	LENGTH
L4	S2°00'26"E	155.36'



PLAN

SCALE: 1" = 20'



NO CITY PUBLIC WORKS CHARGES FOR CONNECTION

SEE LOS ANGELES COUNTY SANITATION DISTRICTS FOR SPECIAL CONNECTION CHARGES

TEL: (562) 908-4288 EX. 2727

SCALE: VERT. 1" = 4'
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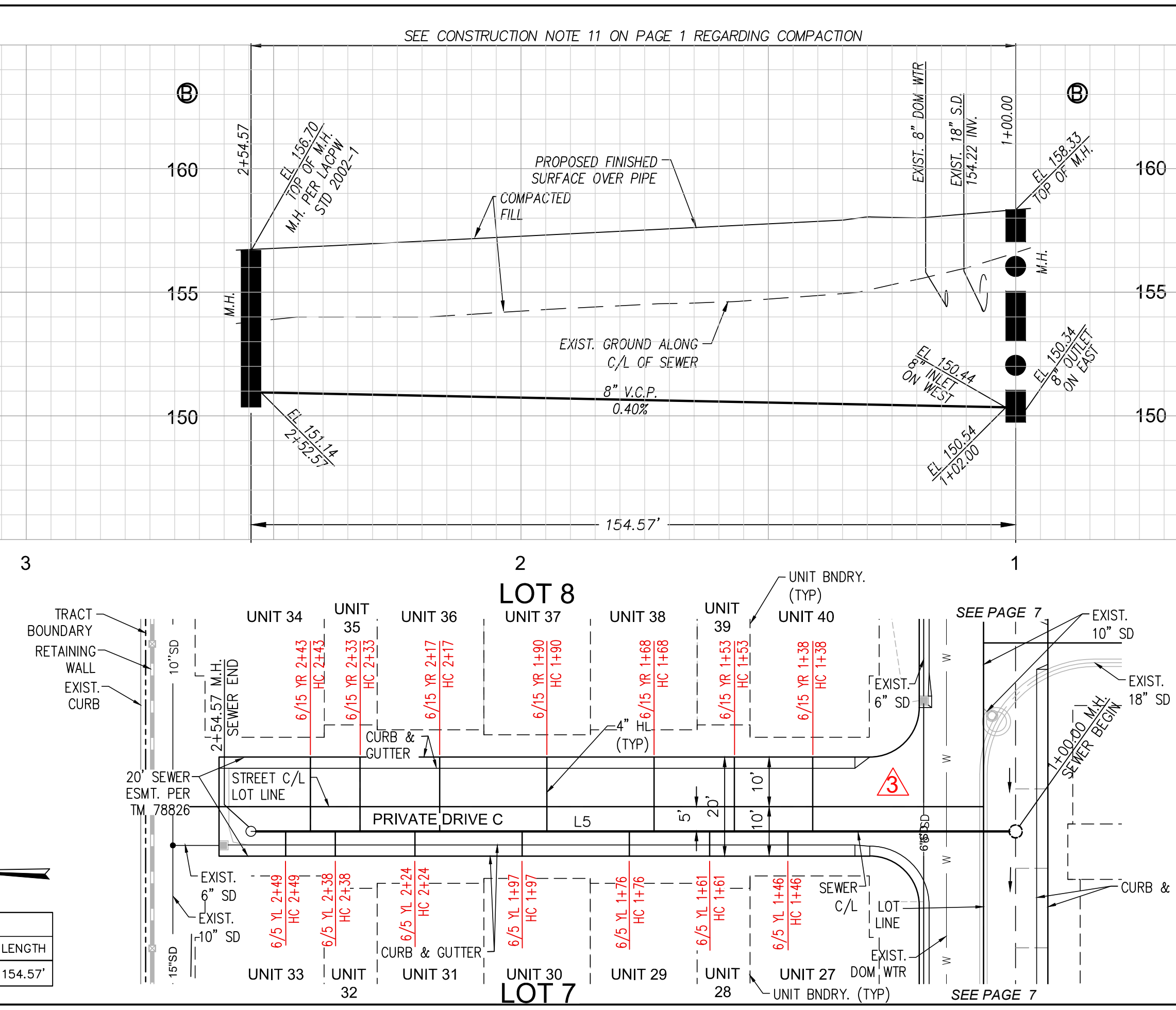
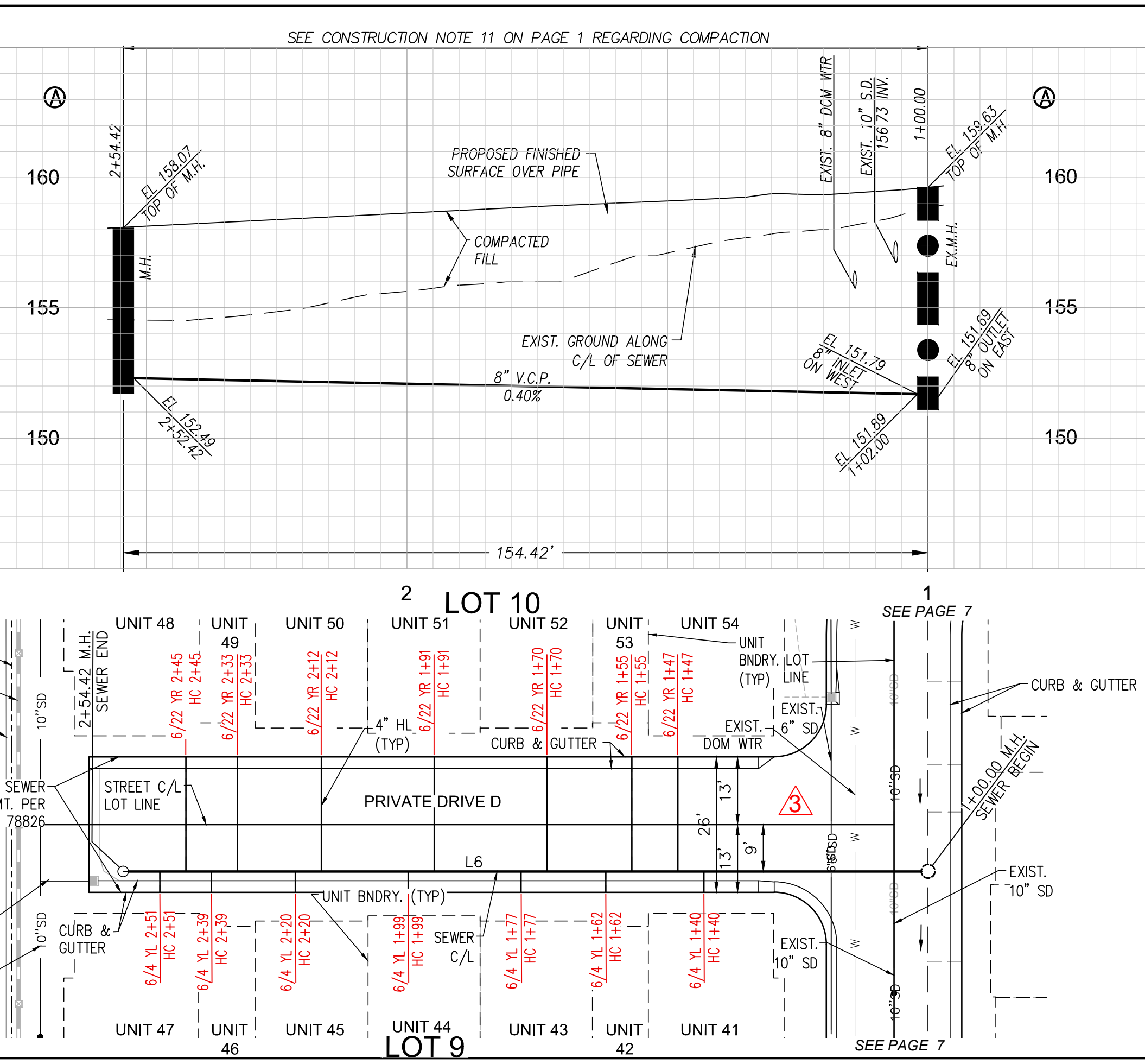
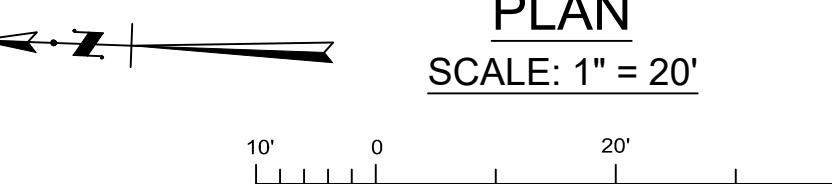
NO.	REVISION	REVISED BY	APPROVED BY	DATE
1	AS BUILT-ADD LAT STA.			08/16/22

LINE TABLE		
LINE	DIRECTION	LENGTH
L6	S2°00'26"E	154.42'



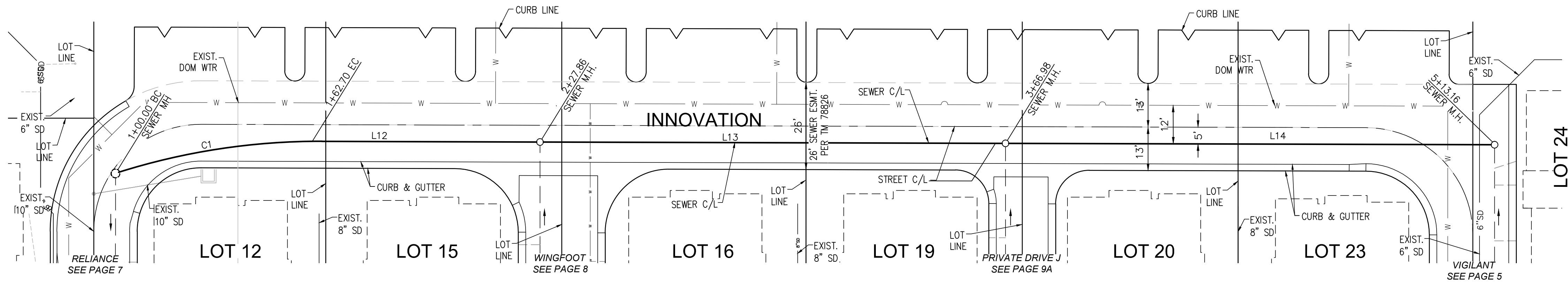
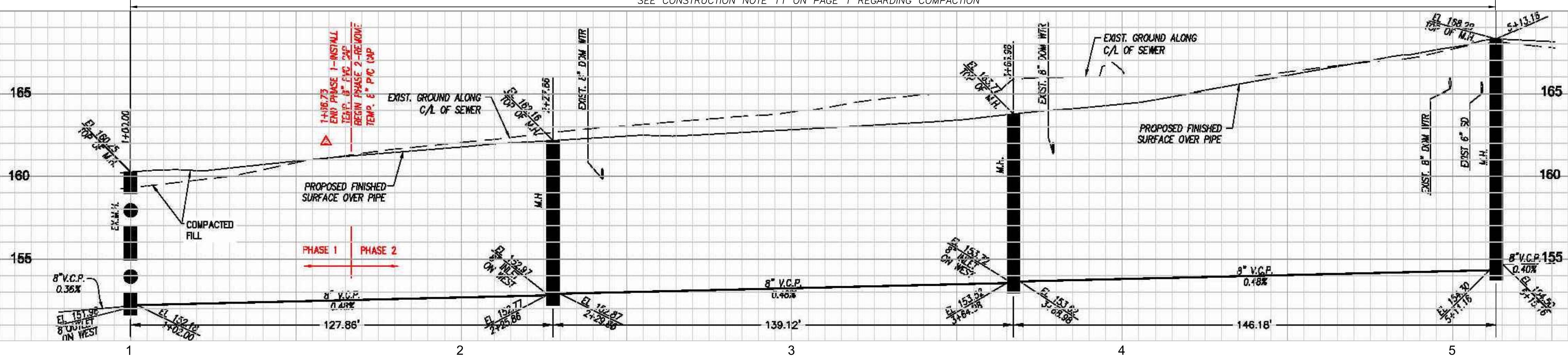
PLAN

SCALE: 1" = 20'



SEE CONSTRUCTION NOTE 11 ON PAGE 1 REGARDING COMPACTION

P.C. 18-7 PAGE 4



NO.	REVISION	REVISED BY	APPROVED BY	DATE
1	ADD PHASING AT MANHOLE			12/02/20

CURVE	DELTA	RADIUS	LENGTH
C1	175°44"	200.00'	62.70'

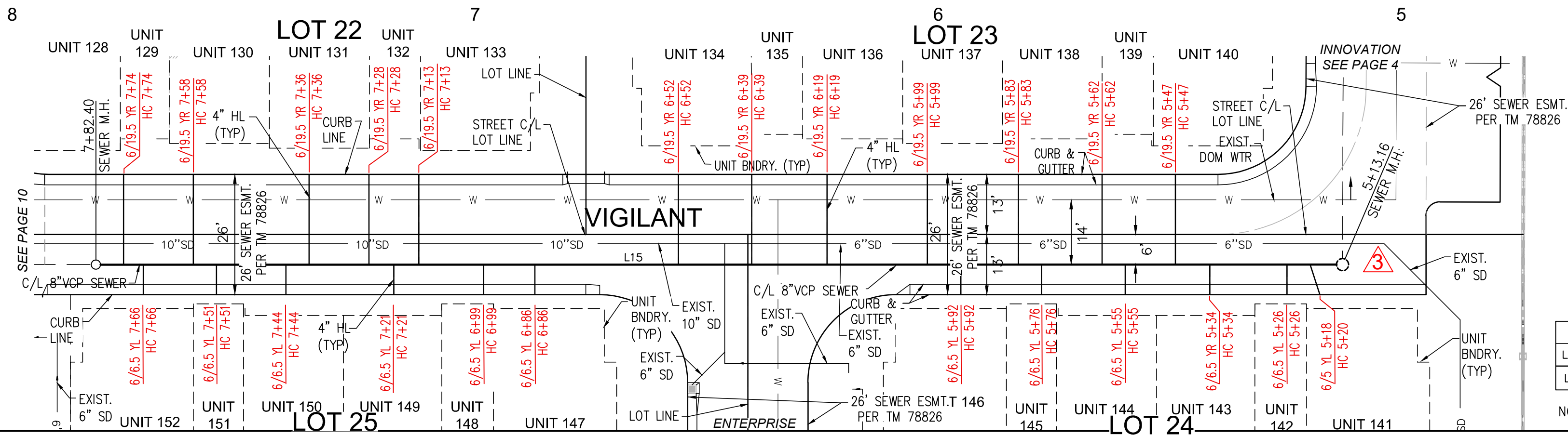
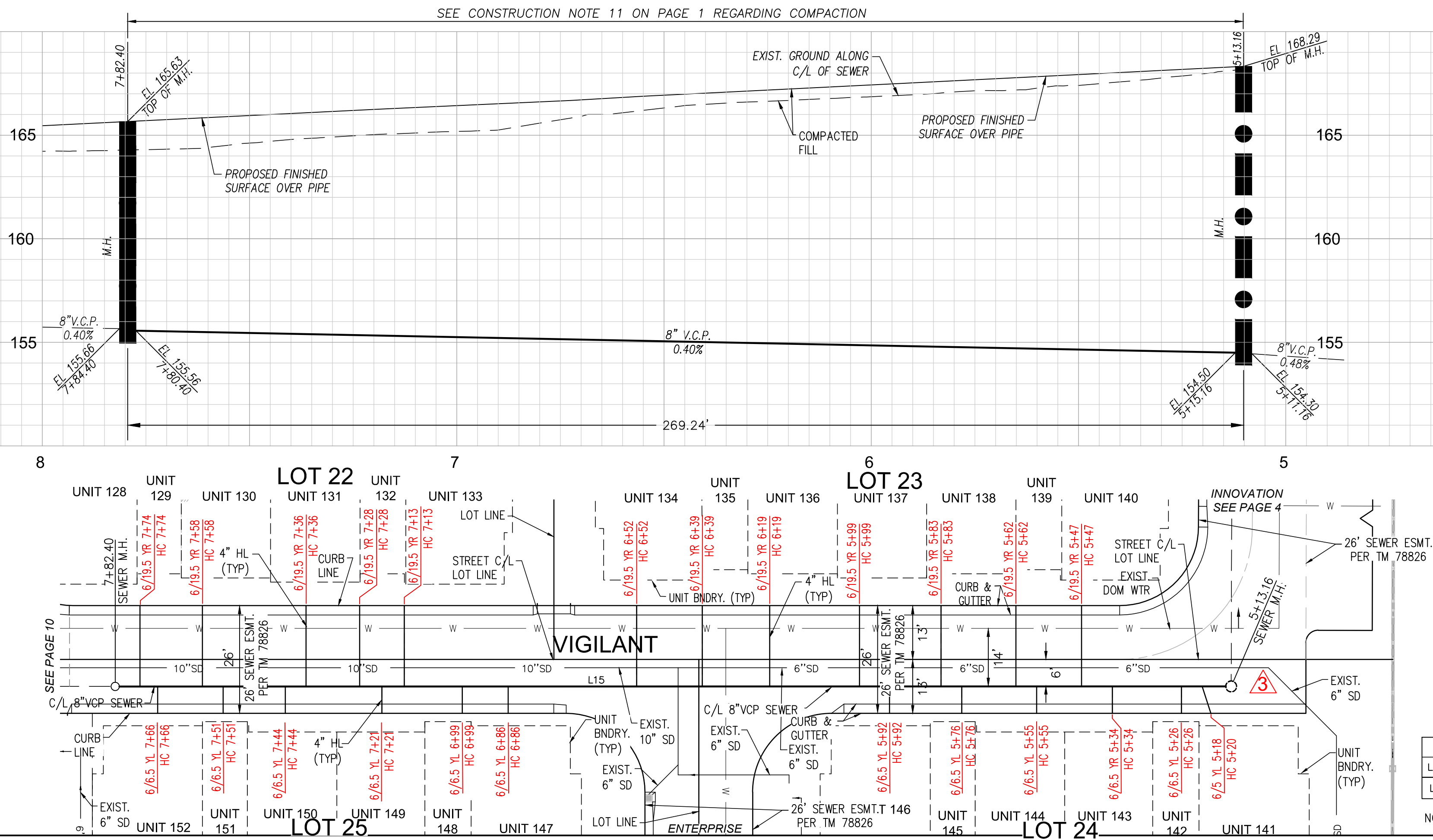
LINE	DIRECTION	LENGTH
L12	S1°50'33"E	65.16'
L13	S1°50'33"E	139.12'
L14	S1°50'33"E	146.18'



NOTE: "DF" IS DEEPENED FOOTING

PLAN
SCALE: 1" = 20'

P.C. 18-7 PAGE 5



NO.	REVISION	REVISED BY	APPROVED BY	DATE
1	AS BUILT-ADD LAT STA.			08/16/22

LINE	DIRECTION	LENGTH
L15	S87°59'33"W	269.24'

NOTE: "DF" IS DEEPENED FOOTING



PLAN
SCALE: 1" = 20'

PPS-SS-DL - 05/2019
X:\VMS\31515-003\sewers\on-site\tr 78226-on-site swr_rev3.dwg August 30, 2022

NO CITY
PUBLIC WORKS
CHARGES FOR CONNECTION

SEE LOS ANGELES COUNTY
SANITATION DISTRICTS
FOR SPECIAL
CONNECTION CHARGES

TEL (562) 908-4288 EX. 2727

SCALE: VERT. 1" = 4'
HORIZ. 1" = 20'

DOUBLE SCALE

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REVIEWED BY LAND DEVELOPMENT DIVISION

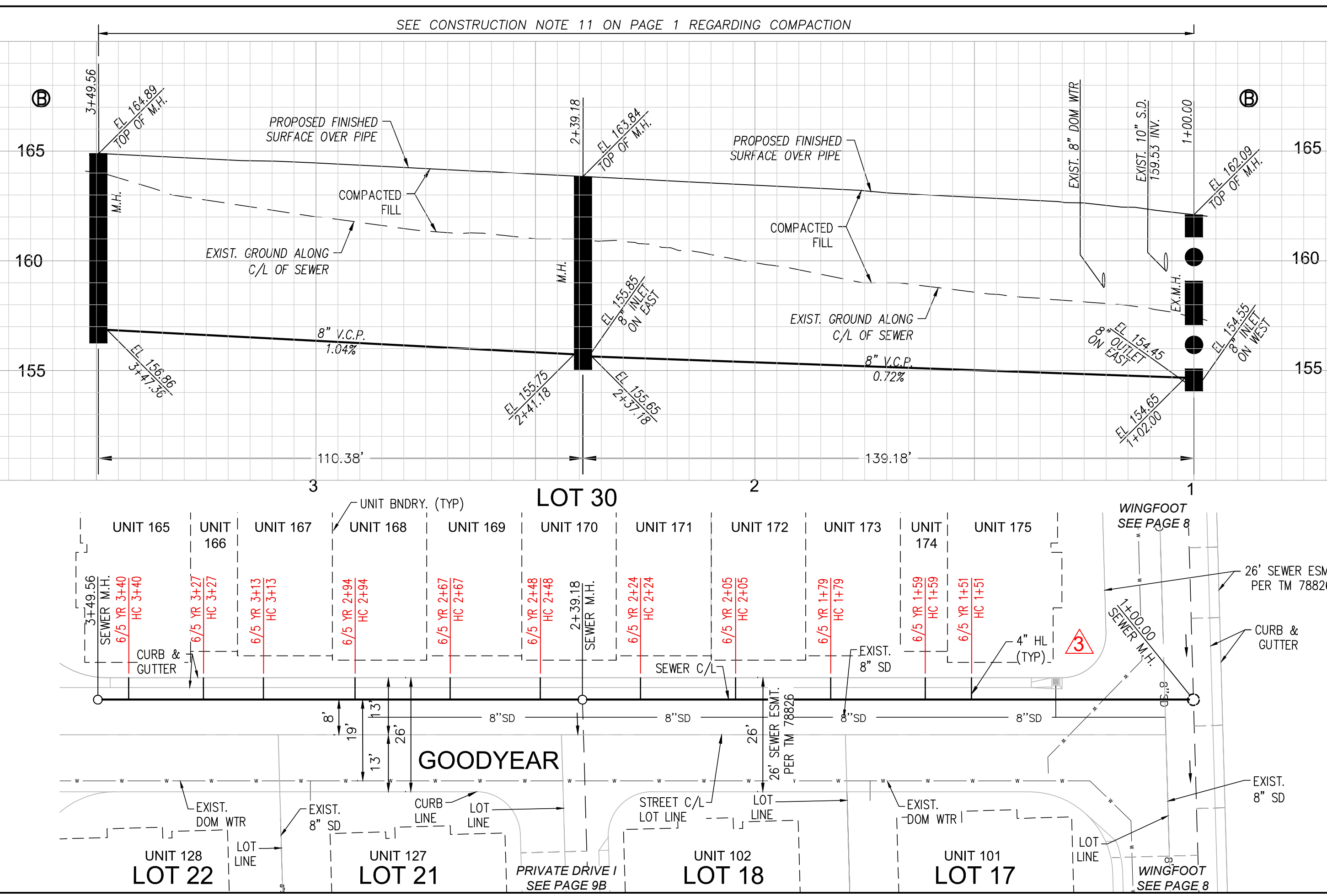
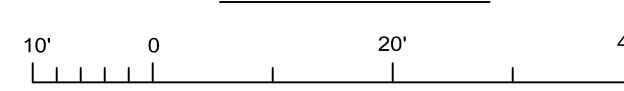
BY **Pedro Romero**
FINAL MAPS, SEWER AND LANDSCAPING
SUBDIVISION PLAN CHECKING SECTION
DATE 07/16/20

NO.	REVISION	REVISED BY	APPROVED BY	DATE
1	AS BUILT-ADD SEWER LAT STATIONS			08/16/22

LINE TABLE		
LINE	DIRECTION	LENGTH
L20	S02°31'19"E	139.18'
L21	S02°31'19"E	110.38'



PLAN
SCALE: 1" = 20'



NO CITY
PUBLIC WORKS
CHARGES FOR CONNECTION

SEE LOS ANGELES COUNTY
SANITATION DISTRICTS
FOR SPECIAL
CONNECTION CHARGES

TEL (562) 908-4288 EX. 2727

SCALE: VERT. 1" = 4'
HORIZ. 1" = 20'

DOUBLE SCALE

EIMP 2019000645

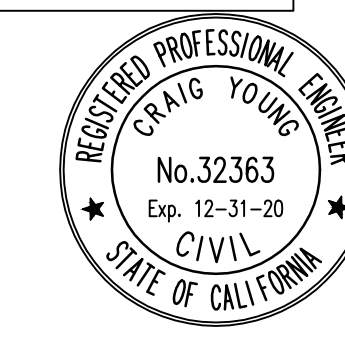
REVIEWED BY LAND DEVELOPMENT DIVISION

BY **Pedro Romero**
FINAL MAPS, SEWER AND LANDSCAPING
SUBDIVISION PLAN CHECKING SECTION
DATE 07/16/20

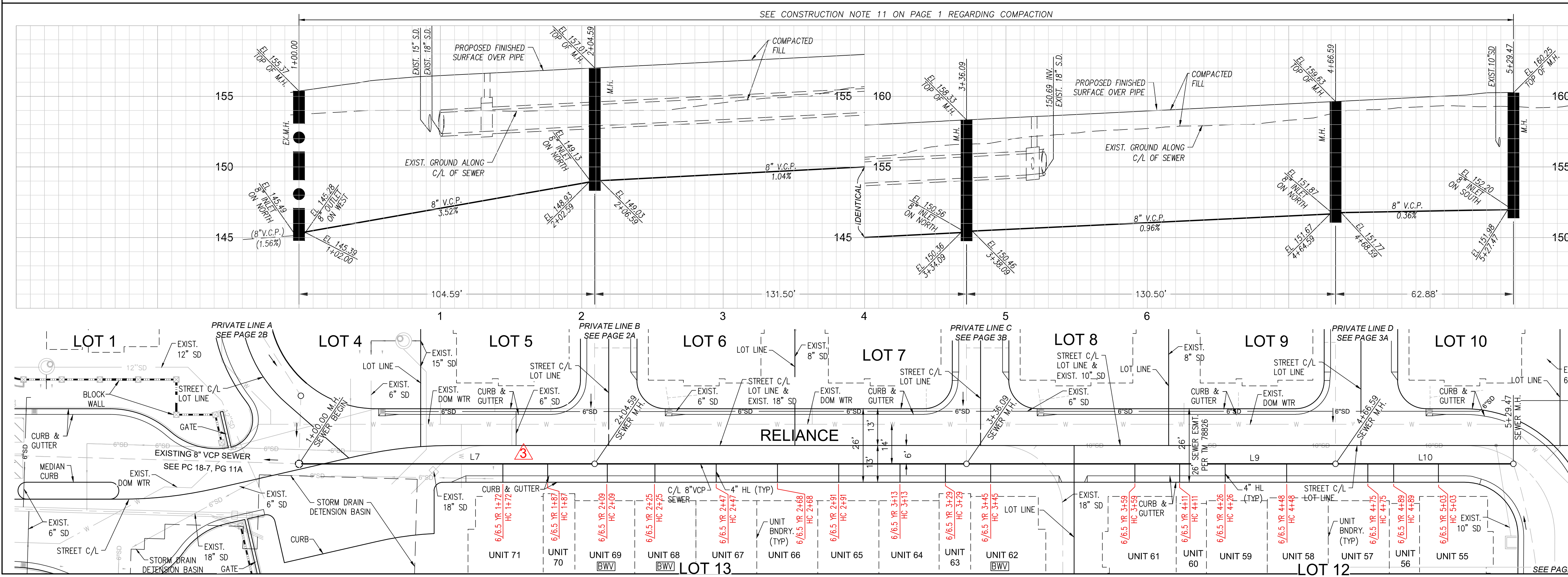
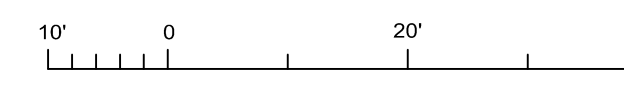
NO.	REVISION	REVISED BY	APPROVED BY	DATE
1	AS BUILT-ADD SEWER LAT STATIONS			08/16/22

[BWV] = BACK WATER VALVES
SHALL BE REQUIRED.

LINE TABLE		
LINE	DIRECTION	LENGTH
L7	N87°59'34"E	104.59'
L8	N87°59'34"E	131.50'
L9	N87°59'34"E	130.50'
L10	N87°59'34"E	62.88'

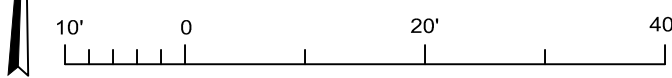


PLAN
SCALE: 1" = 20'



REVIEWED BY LAND DEVELOPMENT DIVISION

LINE TABLE		
LINE	DIRECTION	LENGTH
L18	S87°59'34"W	313.28'
L19	S87°59'34"W	55.60'



REVIEWED BY LAND DEVELOPMENT DIVISION

LINE TABLE		
LINE	DIRECTION	LENGTH
L23	S87°59'34"W	140.51'



LINE TABLE		
LINE	DIRECTION	LENGTH
L25	S87°59'34"W	131.43'

NO LA COUNTY
PUBLIC WORKS
CHARGES FOR CONNECTION

SEE COUNTY SANITATION
DISTRICTS FOR
SPECIAL CONNECTION
CHARGES

TEL (562) 899-7411 EX. 2727

SCALE: VERT. 1" = 4'
HORIZ. 1" = 20'

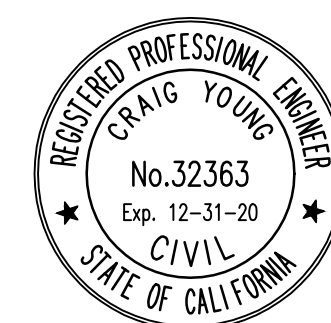
DOUBLE SCALE

EIMP 2019000645

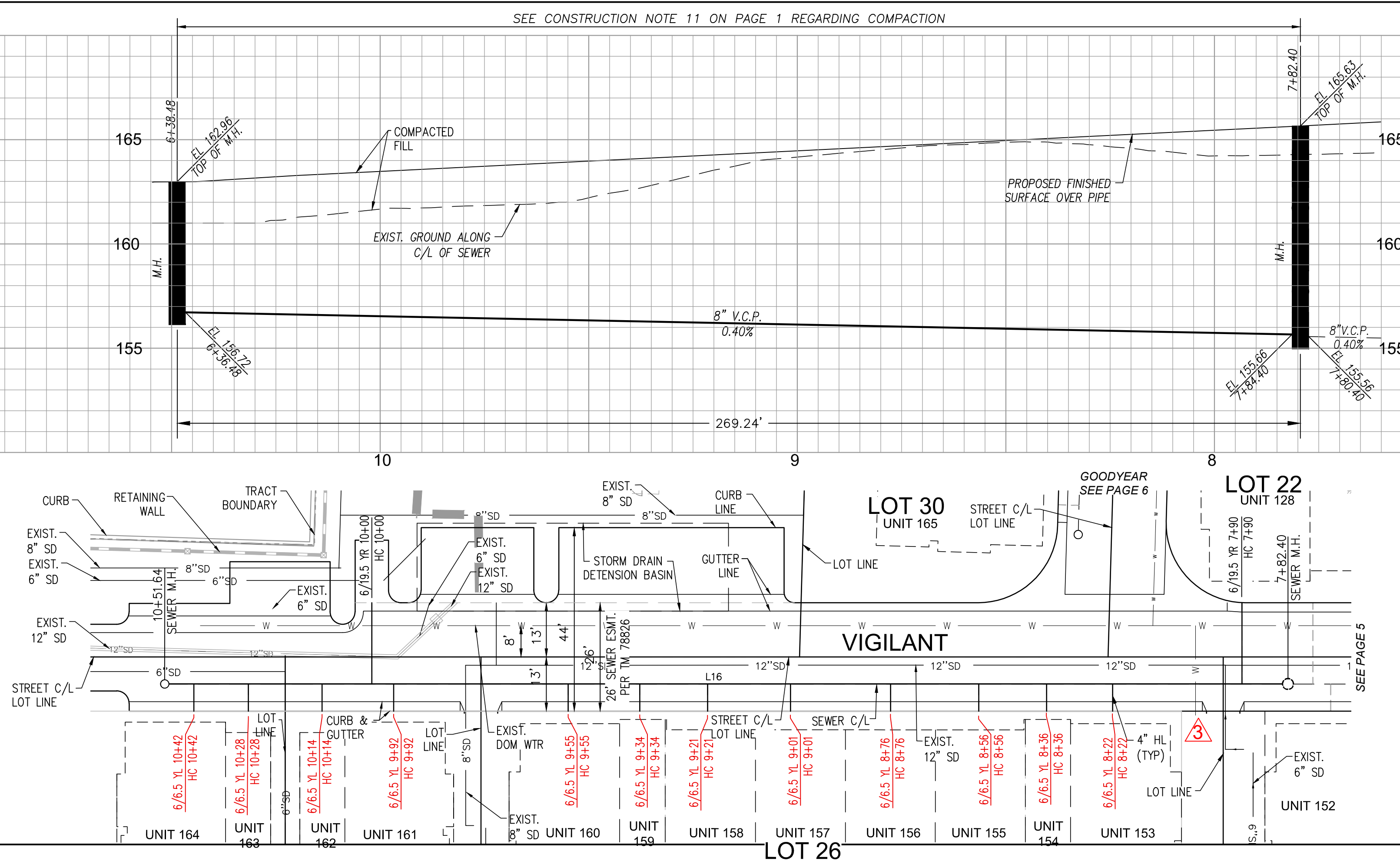
REVIEWED BY LAND DEVELOPMENT DIVISION

BY **Pedro Romero**
FINAL MAPS, SEWER AND LANDSCAPING
SUBDIVISION PLAN CHECKING SECTION
DATE 07/16/2020

NO.	REVISION	REVISED BY	APPROVED BY	DATE
1	AS BUILT-ADDED SEWER LAT STATIONS			11/23/21



PLAN
SCALE: 1" = 20'



LINE TABLE		
LINE	DIRECTION	LENGTH
L16	S87°59'33"W	269.24'

NOTE: "DF" IS DEEPENED FOOTING

NO CITY
PUBLIC WORKS
CHARGES FOR CONNECTION

SEE COUNTY SANITATION
DISTRICTS FOR
SPECIAL CONNECTION
CHARGES

TEL (562) 899-7411 EX. 2727

SCALE: VERT. 1" = 8'
HORIZ. 1" = 40'

DOUBLE SCALE

EIMP 2019000645

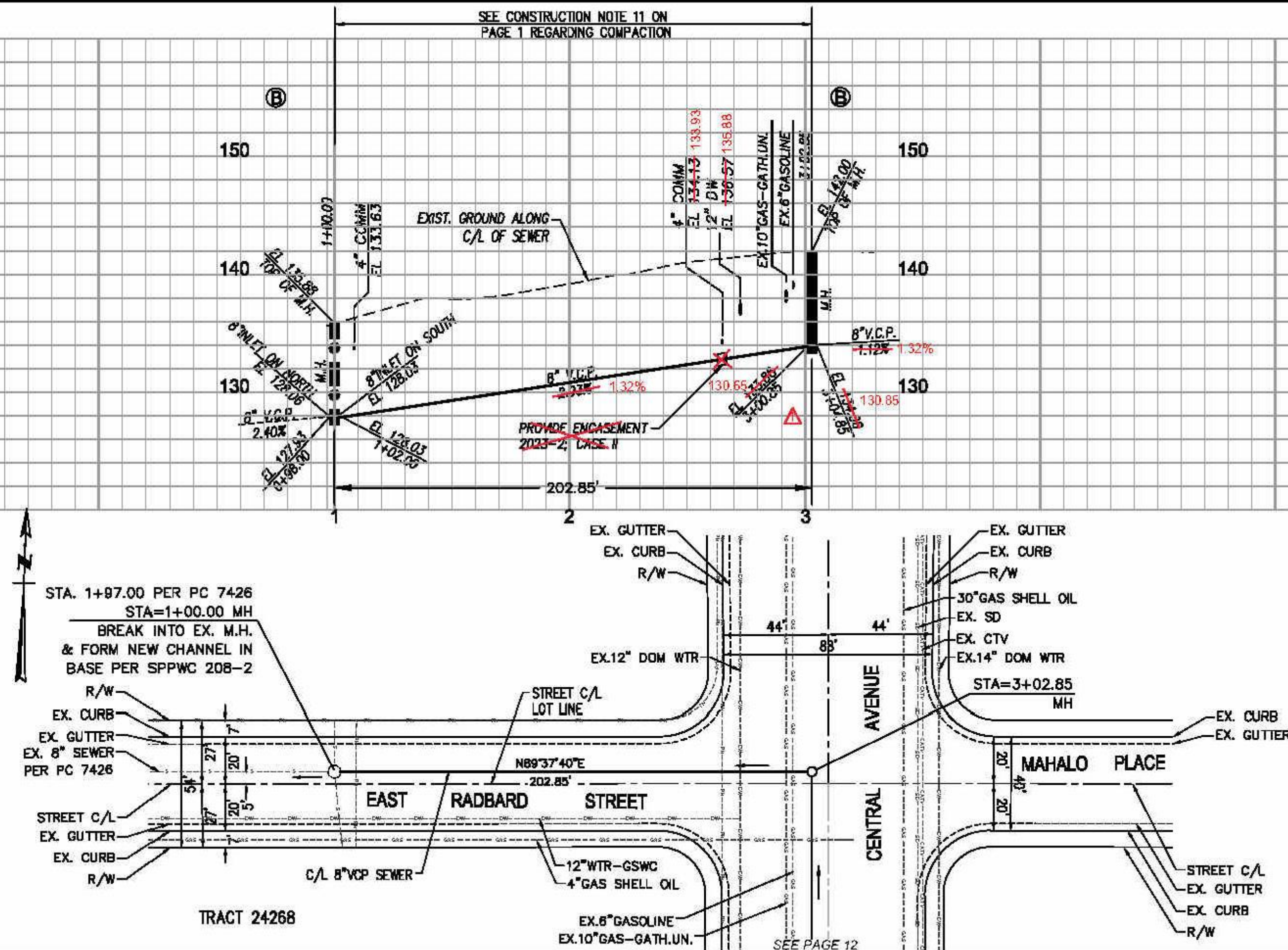
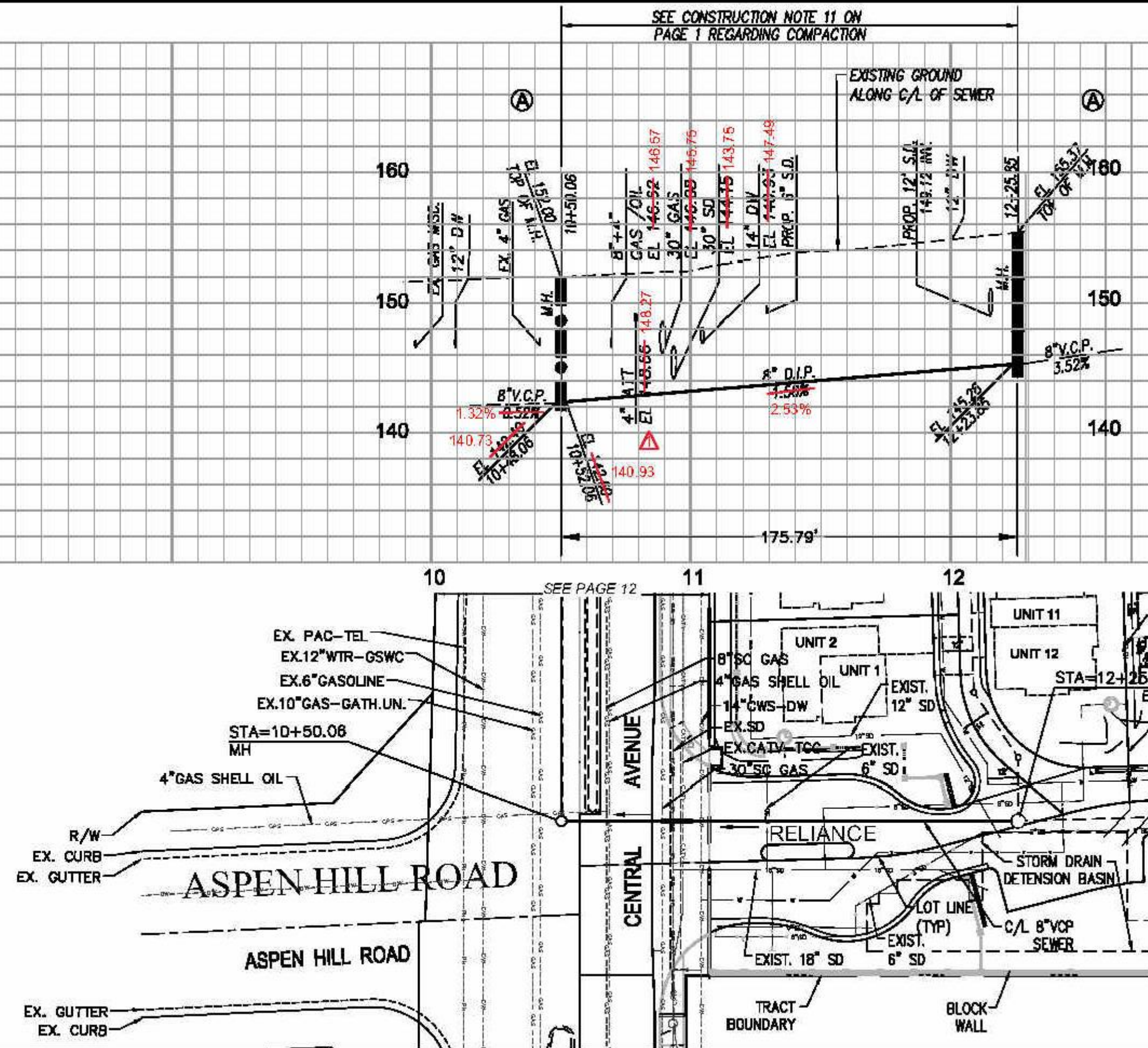
REVIEWED BY LAND DEVELOPMENT DIVISION

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FINAL MAPS, SEWER AND LANDSCAPING
SUBDIVISION PLAN CHECKING SECTION
DATE 07/16/2020

NO.	REVISION	REVISED BY	APPROVED BY	DATE
1	LOWERED SEWER MAIN			9/15/20

NOTE: DIP SHALL INCLUDE
EXTERIOR ASPHALT OR CEMENT
COATING AND EPOXY PROTECTO
401 OR EQUIVALENT MATERIAL
INSIDE

PLAN
SCALE: 1" = 40'



NO CITY
PUBLIC WORKS
CHARGES FOR CONNECTION
SEE COUNTY SANITATION
DISTRICTS FOR
SPECIAL CONNECTION
CHARGES
TEL (562) 699-7411 EX. 2727

SCALE: VERT. 1" = 4'
HORIZ. 1" = 20'

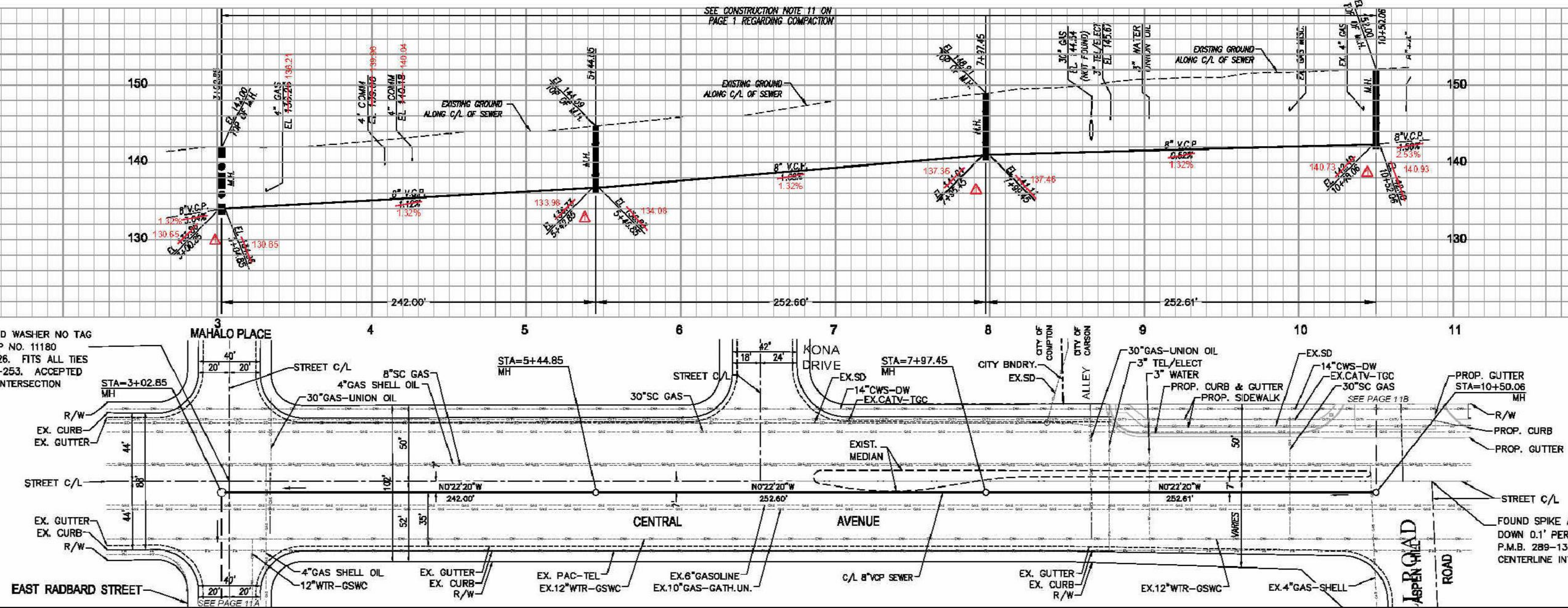
DOUBLE SCALE

EIMP 2019000645

REVIEWED BY LAND DEVELOPMENT DIVISION

BY: Paul P. Pomeroy
DATE: 07/18/2020

NO.	REVISION	REVIEWED BY	APPROVED BY	DATE
1	LOWERED SEWER MAIN	<u>[Signature]</u>	<u>[Signature]</u>	9/15/20



FOUND SPIKE AND WASHER NO TAG
PER PARCEL MAP NO. 11180
P.M.B. 107-24-26. FITS ALL TIES
PER CSFB 2743-253. ACCEPTED
AS CENTERLINE INTERSECTION

FOUND SPIKE AND WASHER TAGGED LS 6941
DOWN 0.1' PER PARCEL MAP NO. 24971
P.M.B. 289-13-14. ACCEPTED AS
CENTERLINE INTERSECTION

PLAN
SCALE: 1" = 20'

NOT USED

NO CITY
PUBLIC WORKS
CHARGES FOR CONNECTION
SEE COUNTY SANITATION
DISTRICTS FOR
SPECIAL CONNECTION
CHARGES
TEL (562) 699-7411 EX. 2727

SCALE: VERT. 1" = 8'
HORIZ. 1" = 40'

DOUBLE SCALE

EIMP 2019000645

REVIEWED BY LAND DEVELOPMENT DIVISION

BY: Paul P. Pomeroy
DATE: 07/18/2020

NO.	REVISION	REVIEWED BY	APPROVED BY	DATE

PLAN
SCALE: 1" = 40'