

CITY OF DORAL

NW 33rd STREET DRAINAGE IMPROVEMENTS

from NW 87th Ave to NW 82nd Ave

MIAMI-DADE COUNTY, FLORIDA
STANTEC PROJECT NO. 215616857



MAYOR & COUNCIL:

Juan Carlos Bermudez, Mayor
Digna Cabral, Vice Mayor
Pete Cabrera, Councilman
Claudia Mariaca, Councilwoman
Oscar Puig-Corve, Councilman

Interim City Manager: Herman Organvitez

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LOCATION MAP
N.T.S.

100% SUBMITTAL
MAY 11 2022



.....APPROVALS.....			
AGENCY	SUBMITTAL DATE	APPROVAL DATE	PERMIT NUMBER



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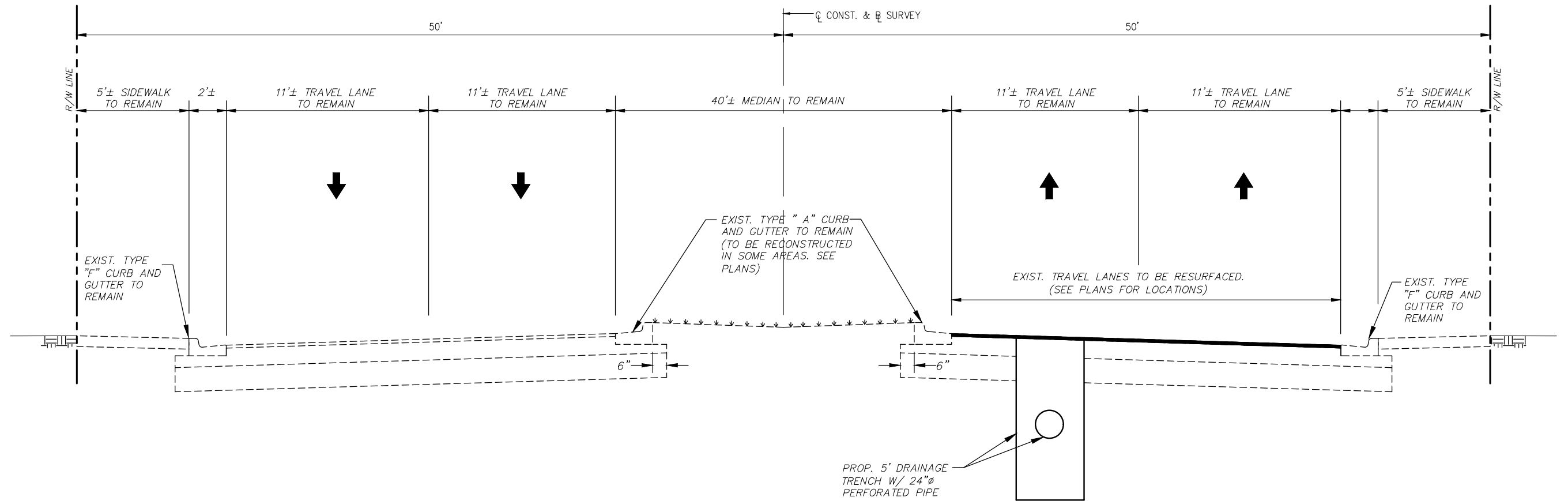
ENGINEER'S CERTIFICATION:
THIS PLAN WAS PREPARED UNDER MY DIRECTION AND TO THE BEST OF MY KNOWLEDGE AND BELIEF COMPLIES WITH THE INTENT OF THE MANUAL OF UNIFORM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS, AS ADOPTED BY THE STATE OF FLORIDA LEGISLATURE, CHAPTER 72-328 F.S.

GOVERNING STANDARDS AND SPECIFICATIONS:

- MIAMI DADE COUNTY STANDARDS DATED DECEMBER 2020.
- FLORIDA DEPARTMENT OF TRANSPORTATION, FY 2021-22 STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION, AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED JULY 2021, AS AMENDED BY CONTRACT DOCUMENTS.

APPROVED BY

CARLOS M. HERDOCIA
REGISTERED ENGINEER NO. 47660
STATE OF FLORIDA



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Revision	By	Appd.	YY.MM.DD	Issued	By	Appd.	YY.MM.DD

Seal

CARLOS M. HERDOCIA, P.E.
REGISTERED ENGINEER NO. 47660
STATE OF FLORIDA

Consultants

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CITY OF DORAL
NW 33rd ST DRAINAGE IMPROVEMENTS
from NW 87th AVE to NW 82nd AVE

File Name: RM CMH CMH 21.11.08
Dwn. Chkd. Dsgn. YY.MM.DD

TYPICAL SECTION

Project No. Scale

Drawing No. Sheet Revision

C01 of

GENERAL NOTES

- | | | | | | |
|-----|--|-----|--|-----|---|
| 1. | B.M. DATA NATIONAL GEODESIC VERTICAL DATUM OF 1929 (N.G.V.D.—29). | 22. | THE CONTRACTOR WILL RESTRICT PERSONNEL, THE USE OF EQUIPMENT, AND THE STORAGE OF MATERIALS TO AREAS WITHIN THE LIMITS OF CONSTRUCTION AND DESIGNATED STAGING AREA, IF IDENTIFIED. | 52. | ALL BUS STOP SIGNS TO BE FURNISHED AND INSTALLED BY MIAMI-DADE TRANSIT (MDT). CONTRACTOR TO CONTACT MIAMI-DADE COUNTY TRANSIT AT (305)637-3753 ONE (1) WEEK PRIOR TO POURING SIDEWALKS AND COORDINATE THE REMOVAL AND REPLACEMENT OF BUS STOP SIGNS AND BENCHES. CONTRACTOR TO COORDINATE RELOCATION AND/OR REMOVAL OF BUS BENCHES, BUS SHELTERS AND BUS ROUTE SIGNS WITH MR. RICARDO AGUILAR AT 305-889-6743. |
| 2. | ANY N.G.V.D. BENCH MARK MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED AND PROPERLY REFERENCED BY A REGISTERED—LAND SURVEYOR IN ACCORDANCE WITH THE MINIMUM TECHNICAL STANDARDS OF THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS PRIOR TO BEGINNING WORK AT THE SITE. IF ANY MONUMENT IS IN DANGER OF DAMAGE. | 23. | EXPLORATORY OR PRE—TRENCHING IN THE ALIGNMENT AND GRADE OF PROPOSED PIPES STRUCTURES, FRENCH DRAINS, CONDUITS, POLE FOUNDATIONS AND/OR SUB—GRADE SHALL BE PERFORMED SEVEN DAYS IN ADVANCE OF ITS CONSTRUCTION AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE UNDERGROUND UTILITY OWNERS AND THE DEPARTMENT WITH IMMEDIATE NOTIFICATION OF ANY CONFLICT WITH PROPOSED CONSTRUCTION. THIS NOTIFICATION SHALL PROVIDE SURVEY INFORMATION ABOUT EXISTING UTILITY ALIGNMENT, GRADE AND POSSIBLE CONFLICTS. PAYMENT FOR EXPLORATORY OR PRE—TRENCHING, SURVEY AND BACKFILLING SHALL BE INCLUDED IN THE COST OF THE RELATED BID ITEM FOR THE WORK BEING DONE. | 53. | COMPLETE AS—BUILT INFORMATION RELATIVE TO LOCATION AND DEPTH OF PIPES, MANHOLES, ETC. SHALL BE ACCURATELY RECORDED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER PRIOR TO FINAL ACCEPTANCE OF THE WORK. ALL ELEVATIONS SHALL BE TAKEN BY A FLORIDA REGISTERED SURVEYOR AND SHOWN ON THE RECORD DRAWINGS. |
| 3. | ALL PUBLIC LAND CORNERS AND MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE PROTECTED BY THE CONTRACTOR AS FOLLOWS: CORNERS AND MONUMENTS IN CONFLICT WITH THE WORK AND IN DANGER OF BEING DAMAGED, DESTROYED, OR COVERED SHALL BE PROPERLY REFERENCED BY A REGISTERED—LAND SURVEYOR IN ACCORDANCE WITH THE MINIMUM TECHNICAL STANDARDS OF THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS PRIOR TO BEGINNING WORK AT THE SITE. THE CONTRACTOR SHALL RETAIN THE LAND SURVEYOR TO REFERENCE, AND RESTORE UPON COMPLETION OF THE WORK, ALL SUCH CORNERS AND MONUMENTS AND SHALL FURNISH TO MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT A SIGNED AND SEALED COPY OF THE LAND SURVEYOR'S REFERENCE DRAWING. | 24. | ALL DITCH EXCAVATIONS SHALL BE PERFORMED IN FULL COMPLIANCE WITH THE PROVISIONS OF THE TRENCH SAFETY ACT. | 54. | DESIGN WATER TABLE ELEVATION: 3.00 |
| 4. | ALL STATIONS AND OFFSETS REFER TO CENTERLINE OF CONSTRUCTION, UNLESS OTHERWISE STATED. | 25. | ALL EXCESS MATERIAL, AS DESIGNATED BY THE ENGINEER, IS TO BE DISPOSED BY THE CONTRACTOR IN LEGAL AREAS PROVIDED BY HIM WITHIN 72 HOURS OF BEING DEPOSITED IN THE CONSTRUCTION AREA AND AT THE CONTRACTOR'S EXPENSE. | 55. | MIAMI-DADE COUNTY FLOOD CRITERIA ELEVATION: 7.00 |
| 5. | ALL GRADES SHOWN IN PLAN ARE FINISHED GRADES. | 26. | ALL DISPOSAL OF MATERIALS, RUBBISH, AND DEBRIS SHALL BE MADE AT A LEGAL DISPOSAL SITE OR BY OTHER PRIOR APPROVED MANNER. MATERIAL CLEARED FROM THE SITE AND DEPOSITED ON ADJACENT OR NEARBY PROPERTY WILL NOT BE CONSIDERED AS HAVING BEEN DISPOSED OF SATISFACTORILY. | 56. | THE INFORMATION PROVIDED IN THESE DRAWINGS IS SOLELY TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF CONDITIONS WHICH WILL BE ENCOUNTERED DURING THE COURSE OF WORK. THE CONTRACTORS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT WHATEVER INVESTIGATIONS THEY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSION REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED, AND UPON WHICH BIDS WILL BE BASED. |
| 6. | THE CONTRACTOR SHALL PAINT ALL STATIONS WITH STENCILED NUMBERS ON THE FACE OF CURB:
A. FROM THE BEGINNING OF THE PROJECT WHERE THE CURB IS TO REMAIN.
B. AT NEW CURB NOT LATER THAN 72 HOURS AFTER BEING POURED.
C. WHERE CURB DOES NOT EXIST AND SHALL NOT BE CONSTRUCTED, THE CONTRACTOR SHALL MAINTAIN STATIONING WITH SURVEYING STAKES. CONTRACTOR SHALL MAINTAIN THE STATION MARKS VISIBLE UNTIL FINAL INSPECTION. | 27. | ANY KNOWN OR SUSPECTED HAZARDOUS MATERIAL FOUND ON THE PROJECT BY THE CONTRACTOR SHALL BE IMMEDIATELY REPORTED TO THE PROJECT ENGINEER, WHO SHALL DIRECT THE CONTRACTOR TO PROTECT THE AREA OF KNOWN OR SUSPECTED CONTAMINATION FROM FURTHER ACCESS. THE ENGINEER WILL ARRANGE FOR INVESTIGATION, IDENTIFICATION, AND REMEDIATION OF THE HAZARDOUS MATERIAL. THE CONTRACTOR SHALL NOT RETURN TO THE AREA OF CONTAMINATION UNTIL APPROVAL IS PROVIDED BY THE PROJECT ENGINEER. | 57. | LOCAL RESIDENTS, PROPERTY OWNERS AND TENANTS WITHIN THE AREA OF CONSTRUCTION SHALL BE GIVEN ACCESS TO THEIR PROPERTY DURING ALL PHASES OF CONSTRUCTION. |
| 7. | ALL CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT, AND ANY OTHER STATE OR LOCAL AGENCY WITH JURISDICTION. IT IS THE INTENT OF THESE PLANS TO BE IN ACCORDANCE WITH APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION. ANY DISCREPANCIES BETWEEN THESE PLANS AND APPLICABLE CODES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER. | 28. | EXISTING ABOVE GROUND FEATURES ARE SHOWN ACCORDING TO THE BEST AVAILABLE DATA AND MAY NOT ACCURATELY REFLECT PRESENT CONDITIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH CURRENT SITE CONDITIONS, AND SHALL REPORT DISCREPANCIES TO THE ENGINEER PRIOR TO STARTING WORK. | 58. | CONTRACTOR SHALL REMOVE ANY EXISTING STRIPING THAT CONFLICTS WITH THE MAINTENANCE OF TRAFFIC DURING CONSTRUCTION AND PROVIDE ADEQUATE TEMPORARY SIGNING AND/OR STRIPING USING REFLECTORIZED PAINT. |
| 8. | THE LOCATION AND SIZE OF THE UTILITIES SHOWN IN THE PLANS ARE BASED ON THE BEST AVAILABLE INFORMATION AND SHOULD BE CONSIDERED APPROXIMATE ONLY. ADDITIONAL UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL VERIFY ALL UTILITIES BY ELECTRONIC METHODS AND BY PRE—TRENCHING IN COORDINATION WITH ALL UTILITY COMPANIES, PRIOR TO BEGINNING ANY CONSTRUCTION OPERATION. ANY AND ALL CONFLICTS OF EXISTING UTILITIES WITH PROPOSED IMPROVEMENTS MUST BE RESOLVED BY THE ENGINEER AND THE OWNER. THIS WORK BY THE CONTRACTOR SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE | 29. | CONTRACTOR IS TO VERIFY THE EXACT LOCATION OF ALL EXISTING TREES, STRUCTURES AND UTILITIES, WHICH MAY NOT BE SHOWN ON PLANS. ANY STRUCTURE, PAVEMENT, TREES OR OTHER EXISTING IMPROVEMENT NOT SPECIFIED FOR REMOVAL WHICH IS TEMPORARY DAMAGED, EXPOSED OR IN ANY WAY DISTURBED BY CONSTRUCTION PERFORMED UNDER THIS CONTRACT, SHALL BE REPAIRED, PATCHED OR REPLACED AT NO ADDITIONAL COST TO THE OWNER. CONTRACTOR TO INSTALL ROOT BARRIERS AROUND EXISTING TREES TO REMAIN WHICH ARE ADJACENT TO CONCRETE SIDEWALK AND DRIVEWAYS. | 59. | PAVED ASPHALT TEMPORARY PAVEMENT AND CONNECTIONS SHALL BE PROVIDED THROUGHOUT PROJECT, AS NEEDED AND DIRECTED BY THE ENGINEER TO MAINTAIN TRAFFIC AND ACCESS. (ITEM NUMBER 102-1) |
| 9. | EXISTING TOPOGRAPHIC INFORMATION WAS OBTAINED FROM SURVEY PREPARED BY LONGITUDE SURVEYORS | 30. | CONTRACTOR SHALL AVOID DAMAGE TO ANY EXISTING TREES TO REMAIN. EXISTING TREES SHALL BE REMOVED ONLY IF REQUIRED FOR CONSTRUCTION. THOSE TREES NOT INTERFERING WITH CONSTRUCTION SHALL BE PROTECTED IN PLACE. BID ITEM 580-1 | 60. | CONTRACTOR SHALL PRESERVE ALL STREET SIGNS, BENCHES, TRAFFIC CONTROL SIGNS, ETC. AS DIRECTED BY THE ENGINEER. WHEN DIRECTED BY THE ENGINEER, CONTRACTOR SHALL REINSTALL OR DELIVER SAID PUBLIC PROPERTY TO THE TOWN OF MIAMI LAKES AND/OR MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT. |
| 10. | CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE—CALL AT 1-(800)—432-4770 AT LEAST 48 HOURS PRIOR TO PERFORMING ANY DIGGING TO VERIFY THE EXACT LOCATION OF EXISTING UTILITIES. A CONTRACTOR'S REPRESENTATIVE MUST BE PRESENT WHEN UTILITY COMPANIES LOCATE THEIR FACILITIES. CONTRACTOR SHALL CALL ALL UTILITY COMPANIES TO VERIFY EXACT LOCATION OF ALL UTILITIES PRIOR TO ANY EXCAVATION. THE CONTRACTOR SHALL COORDINATE WORK WITH ALL UTILITY COMPANIES, TOWN OF MIAMI LAKES AND OTHER CONTRACTORS TO MINIMIZE DISRUPTION OR INTERFERENCE TO THE CONTRACTOR'S WORK. | 31. | TRAFFIC SHALL BE MAINTAINED ON DUST FREE ASPHALT SURFACE AT ALL TIMES. THE CONTRACTOR SHALL USE A STREET SWEEPER (USING WATER) OR OTHER EQUIPMENT CAPABLE OF CONTROLLING AND REMOVING DUST. APPROVAL OF THE USE OF SUCH EQUIPMENT IS CONTINGENT UPON ITS DEMONSTRATED ABILITY TO DO THE WORK. | 61. | ALL EXISTING FIRE HYDRANTS SHALL REMAIN UNDISTURBED UNLESS OTHERWISE NOTED. |
| 11. | THE CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD AND UNDERGROUND UTILITIES. | 32. | THE CONTRACTOR SHALL PREPARE AND SUBMIT SHOP DRAWINGS FOR ALL ITEMS USED IN THIS PROJECT. | 62. | CONTRACTOR SHALL CAREFULLY SAW—CUT ANY ROOTS IN CONFLICT WITH CONSTRUCTION OF CURB, SIDEWALK, DRAINAGE OR UTILITIES. ROOTS TORN BY BACKHOE WILL NOT BE ALLOWED AT CONTRACTORS EXPENSE. |
| 12. | MIAMI-DADE WATER AND SEWER DEPARTMENT REQUIRES THAT ACCESS TO ALL WATER AND SEWER VALVES, SANITARY MANHOLES, AND OTHER CONTROL MECHANISMS BE MAINTAINED THROUGHOUT CONSTRUCTION IN THE EVENT OF AN EMERGENCY TO ENSURE THE PUBLIC HEALTH AND SAFETY. COVERING VALVE BOXES AND MANHOLES CAN BE CONSIDERED UNAUTHORIZED OBSTRUCTION OF AND TAMPERING WITH DEPARTMENT UTILITIES. ALL REQUESTS FOR UTILITY ADJUSTMENTS MUST BE MADE IN WRITING AT LEAST TWO (2) WEEKS IN ADVANCE. FOR MANHOLE AND VALVES, CONTACT THE CONSTRUCTION MANAGEMENT SECTION, PUMP STATIONS UNIT, 3071 SW 38 AVENUE, FAX NO. 305-668-3626. THE DEPARTMENT WILL MAKE ONE FINAL AND PERMANENT ADJUSTMENT AT NO COST TO THE REQUESTING AGENCY. FOR THE ADJUSTMENT OF WATER METERS, CONTACT THE CHIEF OF METER OPERATIONS AND MAINTENANCE, FAX NO. 305-545-3482. FOR ANY FIRE HYDRANTS THAT ARE DAMAGED OR BUMPED DURING CONSTRUCTION, CONTACT THE MDMWS HYDRANT SHOP AT 305-805-4575 BEFORE POURING CONCRETE FOR THE SIDEWALK. IN THE EVENT OF A WATER OR SEWER EMERGENCY, CONTACT MIAMI DADE WATER AND SEWER DEPARTMENT AT 305-274-9272. THIS LINE IS OPEN 24 HOURS, 7 DAYS A WEEK. | 33. | WHEN DISSIMILAR MATERIAL CONNECTIONS ARE MADE, SUCH AS CONCRETE TO METAL, THE DISSIMILAR MATERIAL SHALL BE SEPARATED BY COATING THE CONTACT SURFACE WITH BITUMASTIC MATERIAL. | 63. | CONTRACTOR SHALL MAINTAIN TRENCHING TO THE MINIMUM REQUIRED TO DO WORK TO AVOID DAMAGE TO TREES. ANY TREES EXPECTED TO BE DAMAGED NOTIFY ENGINEER. |
| 13. | KNOWN UTILITY COMPANIES IN THE PROJECT LIMITS INCLUDE, BUT ARE NOT LIMITED TO:
FP&L (800) 868-9554 & (305) 552-2931
AT&T (305) 222-8745
MIAMI-DADE WATER AND SEWER DEPT. (786) 268-5255
COMCAST CABLE (954) 447-8405
FLORIDA CITY GAS (305) 835-3632
MIAMI DADE COUNTY PUBLIC WORKS (305) 592-8925 | 34. | THE CONTRACTOR IS RESPONSIBLE FOR KEEPING EXISTING AND NEW INLETS CLEAN OF MILLING MATERIAL, LIMEROCK, DEBRIS, ETC. DURING THE CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER. ALL LINES AND STRUCTURES SHALL BE CLEANED PRIOR TO FINAL INSPECTION AND ACCEPTANCE AND CONFIRMED WITH CCTV. | 64. | RESIDENTS, PROPERTY OWNERS AND TENANTS ALONG PROJECT ROUTE SHALL RECEIVE MINIMUM SEVEN (7) DAY ADVANCE WRITTEN NOTIFICATION BY CONTRACTOR OF WORK TO BE PERFORMED IN FRONT OF THEIR PROPERTY. |
| 14. | THE CONTRACTOR IS ADVISED THAT PROPERTIES ADJACENT TO THE PROJECT HAVE ELECTRIC, TELEPHONE, GAS, WATER, AND/OR SEWER SERVICE LATERALS WHICH MAY NOT BE SHOWN IN PLANS. THE CONTRACTOR MUST REQUEST THE LOCATION OF THESE LATERAL SERVICES FROM THE UTILITY COMPANIES. THE ADDITIONAL COST OF EXCAVATING, INSTALLING, BACKFILLING, AND COMPACTING AROUND THESE LATERAL SERVICES MUST BE INCLUDED IN THE BID RELATED ITEM FOR THE WORK BEING DONE. | 35. | CAST IRON PRODUCTS: HEAVY—DUTY CLASSIFICATION SUITABLE FOR HIGHWAY TRAFFIC LOADS OR 16,000 LBS WHEEL LOADS. | 65. | ALL SIDEWALK CLOSURES SHALL BE PROVIDED BY THE CONTRACTOR WITH PROPER PEDESTRIAN DIRECTIONAL DETOUR SIGNAGE, OR AS DIRECTED BY THE ENGINEER. |
| 15. | ANY DAMAGE TO PUBLIC OR PRIVATE PROPERTY SHALL BE RESTORED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. ASPHALT, CONCRETE OR PAVEMENT DRIVEWAYS ON PRIVATE PROPERTY ABUTTING RIGHT—OF—WAY WHICH ARE DAMAGED OR IMPACTED DURING CONSTRUCTION SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE AS DIRECTED BY THE ENGINEER. | 36. | STEEL GRATING AND COVERS: TRAFFIC CLASSIFICATION H—20; 16,000 LBS OVER 8"x20" AREA. | 66. | CONTRACTOR SHALL RELOCATE ALL |

[illegible]

SUMMARY OF DRAINAGE STRUCTURES								
Structure Number	Station	Off-set	Structure Type	FRAME & GRATE	Rim Elev.	Pipe Inverts	Bottom (Sump) Elev.	Pollution N S E W
ES-01	10+92.49	43.43' R	EXIST. P-6	Standard	5.16	EXIST PIPE 15" (1.08) (N)	-0.84	
ES-02	10+92.75	3.83' R	Exist. MH	Standard	7.05	EXIST PIPE 15" (1.05) (S) EXIST PIPE 15" (1.06) (N) EXIST PIPE 18" (1.06) (E)	-1.95	
ES-03	10+95.07	43.50' L	Exist P-6	Standard	5.19	EXIST PIPE 15" (1.39) (S)	-0.81	
ES-04	12+33.80	43.27' R	Exist. P-5	Standard	6.05	SOLID PIPE 15" (0.50) (N)(CD) EXIST PIPE 18" (2.38) (E)	0.15	
ES-05	12+35.72	43.91' L	Exist. P-5	Standard	5.99	SOLID PIPE 15" (0.20) (S)(CD) EXIST PIPE 18" (2.67) (E)	0.14	
ES-06	13+74.54	4.45' R	Exist. MH	Standard	8.41	EXIST PIPE 18" (0.31) (W) SOLID PIPE 18" (0.00) (S)(CD)	-1.69	
ES-07	15+66.26	5.42' R	EXIST. MH	Standard	8.24	SOLID PIPE 18" (0.00) (S) (CD) EXIST PIPE 15" (1.44) (E)	-0.51	
ES-08	16+99.62	5.79' R	EXIST. MH	Standard	7.80	EXIST PIPE 15" (1.25) (W) EXIST PIPE 18" (1.23) (E) EXIST PIPE 15" (1.70) (S) EXIST PIPE 15 (2.00) (N)	-4.92	
ES-09	18+15.99	4.93' R	EXIST MH	Standard	7.06	EXIST PIPE 18" (0.76) (W) SOLID PIPE 18" (0.00) (S) (CD)	-1.19	
ES-10	21+80.64	43.76' L	EXIST P-5	Standard	6.33	EXIST PIPE 18" (3.22) (SE) SOLID PIPE 15" (0.10) (SW) (CD)	-0.49	
ES-11	21+81.22	43.29' R	EXIST CB	Standard	6.57	EXIST PIPE 18" (2.62) (SE)	0.62	
ES-12	22+43.48	5.27' R	EXIST. MH	Standard	8.15	SOLID PIPE 18" (0.00) (SW) (CD) EXIST PIPE 18" (1.40) (SE)	-0.30	
ES-13	23+20.69	5.60' R	EXIST. MH	Standard	7.79	EXIST PIPE 18" (1.29) (NW) EXIST PIPE 18" (1.14) (SE) EXIST PIPE 15" (1.81) (SW) EXIST PIPE 15" (1.83) (NE)	-4.92	
ES-13A	23+19.07	43.14' R	EXIST P-6	Standard	6.26	EXIST PIPE 15" (1.96) (NE)	-0.04	
ES-13B	23+20.31	44.18' L	EXIST P-6	Standard	6.26	EXIST PIPE 15" (2.21) (SW)	0.29	
ES-14	24+74.46	6.43' R	EXIST. MH	Standard	7.73	SOLID PIPE 18" (0.00) (S) (CD) EXIST PIPE 18" (-1.58) (NW)	-2.58	
ES-15	24+81.20	83.38' R	EXIST. MH	Standard	6.58	SOLID PIPE 18" (1.00) (NE)(CD) EXIST PIPE 15" (1.28) (W) EXIST PIPE 15" (1.83) (SE)	-4.62	
ES-16	26+99.27	4.19' R	EXIST. MH	Standard	7.77	SOLID PIPE 18" (0.00) (S) (CD) EXIST PIPE 18" (1.52) (E)	-0.33	
ES-17	27+99.55	3.16' R	EXIST. MH	Standard	7.66	EXIST PIPE 18" (1.41) (W) EXIST PIPE 18" (1.01) (E) EXIST PIPE 15" (1.84) (S) EXIST PIPE 15" (-1.89) (N)	-4.89	
ES-18	29+00.43	3.29' R	EXIST. MH	Standard	7.92	SOLID PIPE 18" (0.00) (S) (CD) EXIST PIPE 18" (1.82) (W)	-0.13	
ES-19	32+64.21	43.72' L	EXIST. P6	Standard	6.34	EXIST PIPE 15" (2.34) (S)	0.49	
ES-20	32+64.69	3.81' R	EXIST. MH	Standard	7.69	EXIST PIPE 15" (2.15) (N) EXIST PIPE 15" (2.09) (S) EXIST PIPE 18" (1.24) (E)	-0.36	

(CD)= CORE DRILL INVERT

SUMMARY OF DRAINAGE STRUCTURES								
Structure Number	Station	Off-set	Structure Type	FRAME & GRATE	Rim Elev.	Pipe Inverts	Bottom (Sump) Elev.	Pollution Retardant Baffle N S E W
ES-21	32+64.77	43.27' R	EXIST. P6	Standard	6.37	EXIST PIPE 15" (2.47) (N)	0.57	
ES-22	34+50.25	2.30' R	EXIST. MH	Standard	8.29	EXIST PIPE 18" (1.24) (W) EXIST PIPE 18" (2.44) (E)	-0.56	
ES-23	36+35.56	4.80' R	EXIST. MH	Standard	7.34	EXIST PIPE 18" (2.44) (W)	-0.41	
S-01	10+92.73	25.42' R	Type P-7T Manhole	Standard	6.11	SOLID PIPE 24" (0.00) (E)	-2.00	
S-02	12+34.18	25.57' R	Type P-7T Manhole	Standard	6.68	SOLID PIPE 24" (0.00) (W) SOLID PIPE 15" (0.45) (S) SOLID PIPE 15" (-0.25) (N)	-2.00	
S-03	12+34.70	2.73' R	Type P-7T Manhole	Standard	7.35	SOLID PIPE 15" (0.00) (N) SOLID PIPE 15" (-0.30) (S)	-1.30	
S-04	13+74.54	25.47' R	Type P-7T Manhole	Standard	7.46	SOLID PIPE 18" (0.00) (N) SOLID PIPE 24" (-1.80) (E)	-3.80	
S-05	15+66.26	26.54' R	Type P-7T Manhole	Standard	7.20	SOLID PIPE 24" (-1.80) (W) SOLID PIPE 18" (0.00) (N)	-3.80	
S-06	18+15.85	26.00' R	Type P-7T Manhole	Standard	7.13	SOLID PIPE 18" (0.00) (N) SOLID PIPE 24" (2.70) (E)	-2.00	
S-07	19+62.12	23.85' R	Type P-7T Manhole	Standard	7.62	SOLID PIPE 24" (2.70) (W) SOLID PIPE 24" (-1.50) (E)	-3.50	
S-07A	20+75.40	25.62' R	Type P-7T Manhole	Standard	7.53	SOLID PIPE 24" (-1.50) (W) SOLID PIPE 24" (1.50) (SE)	-3.50	
S-08	22+43.48	24.71' R	Type P-7T Manhole	Standard	6.96	SOLID PIPE 24" (1.50) (NW) SOLID PIPE 18" (0.00) (NE)	-2.00	
S-8A	21+56.00	425-00146' R	Type 7 Manhole (1 or 2-Piece Cover), Round Bottom	Standard	7.08	SOLID PIPE 24" (1.50) (NW) SOLID PIPE 24" (1.50) (SE) SOLID PIPE 15" (0.00) (NE)	-2.00	
S-09	24+79.46	24.88' R	Type P-7T Manhole	Standard	7.34	SOLID PIPE 18" (0.00) (N) SOLID PIPE 24" (-0.50) (SE) SOLID PIPE 18" (1.00) (SW)	-2.50	
S-09A	25+05.36	24.59' R	Type P-7T Manhole	Standard	7.44	SOLID PIPE 24" (-0.50) (NW) SOLID PIPE 24" (2.00) (E)	-2.53	
S-10	26+26.32	25.50' R	Type P-7T Manhole	Standard	7.23	TRENCH (2.00) (W) SOLID PIPE 24" (0.00) (E)	-2.00	
S-11	26+99.27	25.03' R	Type P-7T Manhole	Standard	7.09	TRENCH (0.00) (W) SOLID PIPE 18" (0.00) (N)	-2.00	
S-12	29+00.48	25.12' R	Type P-7T Manhole	Standard	7.07	SOLID PIPE 18" (0.00) (N) TRENCH (2.00) (E)	-2.10	
S-13	31+01.64	25.05' R	Type P-7T Manhole	Standard	7.27	TRENCH (2.00) (W) SOLID PIPE 24" (2.00) (E)	0.00	
S-13A	31+99.51	25.31' R	Type P-7T Manhole	Standard	6.17	SOLID PIPE 24" (2.00) (W) SOLID PIPE 24" (-1.00) (E)	-3.00	
S-14	32+64.93	25.49' R	Type P-7T Manhole	Standard	6.76	SOLID PIPE 24" (-1.00) (W)	-3.00	

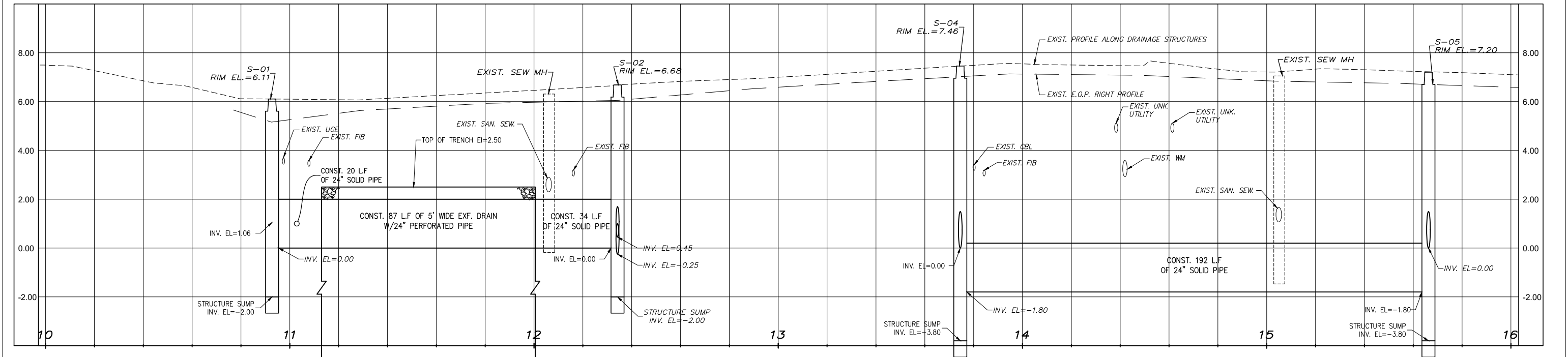
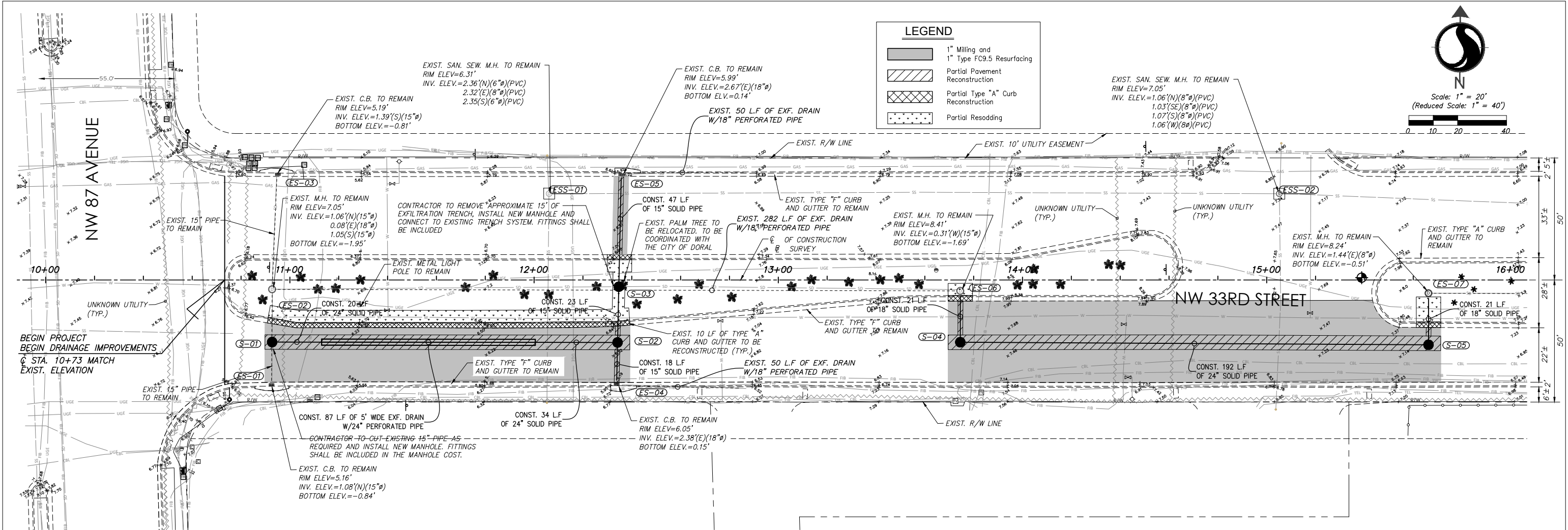
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ORIGINAL SHEET - ANSI D HORIZ

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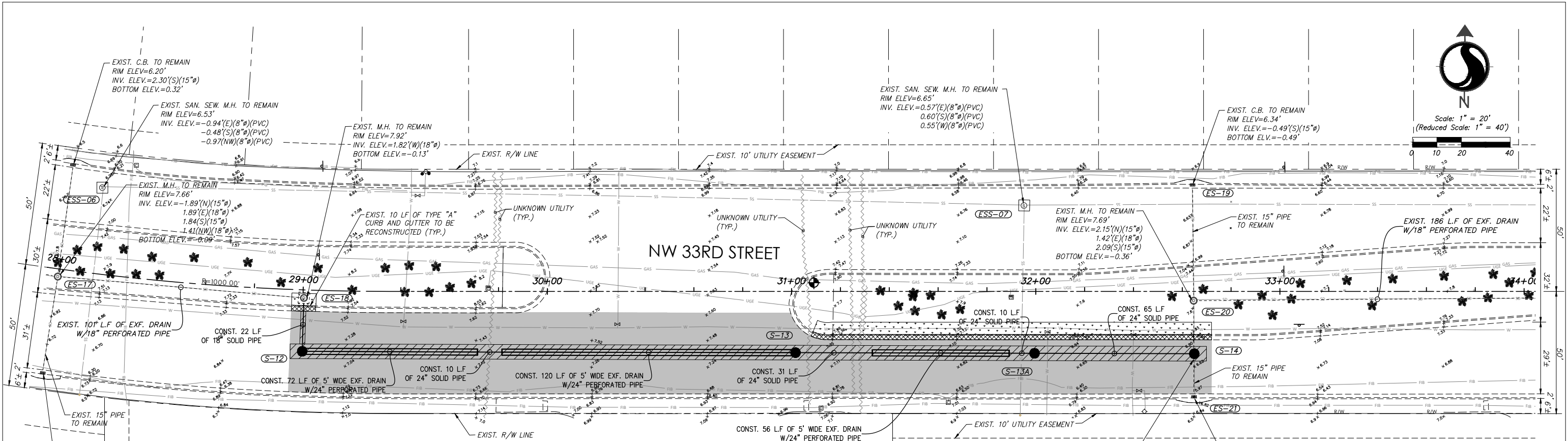
CITY OF DORAL
NW 33rd ST DRAINAGE IMPROVEMENTS
from NW 87th AVE to NW 82nd AVE

File Name:	RM	CMH	CMH	21.11.08
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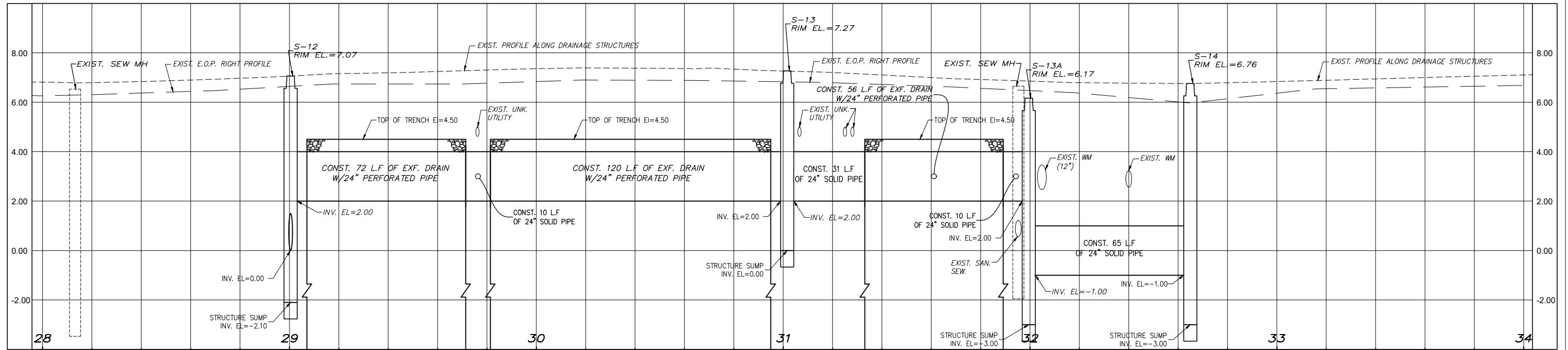
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LEGEND

- 1" Milling and 1" Type FC9.5 Resurfacing
- Partial Pavement Reconstruction
- Partial Type "A" Curb Reconstruction
- Partial Resodding



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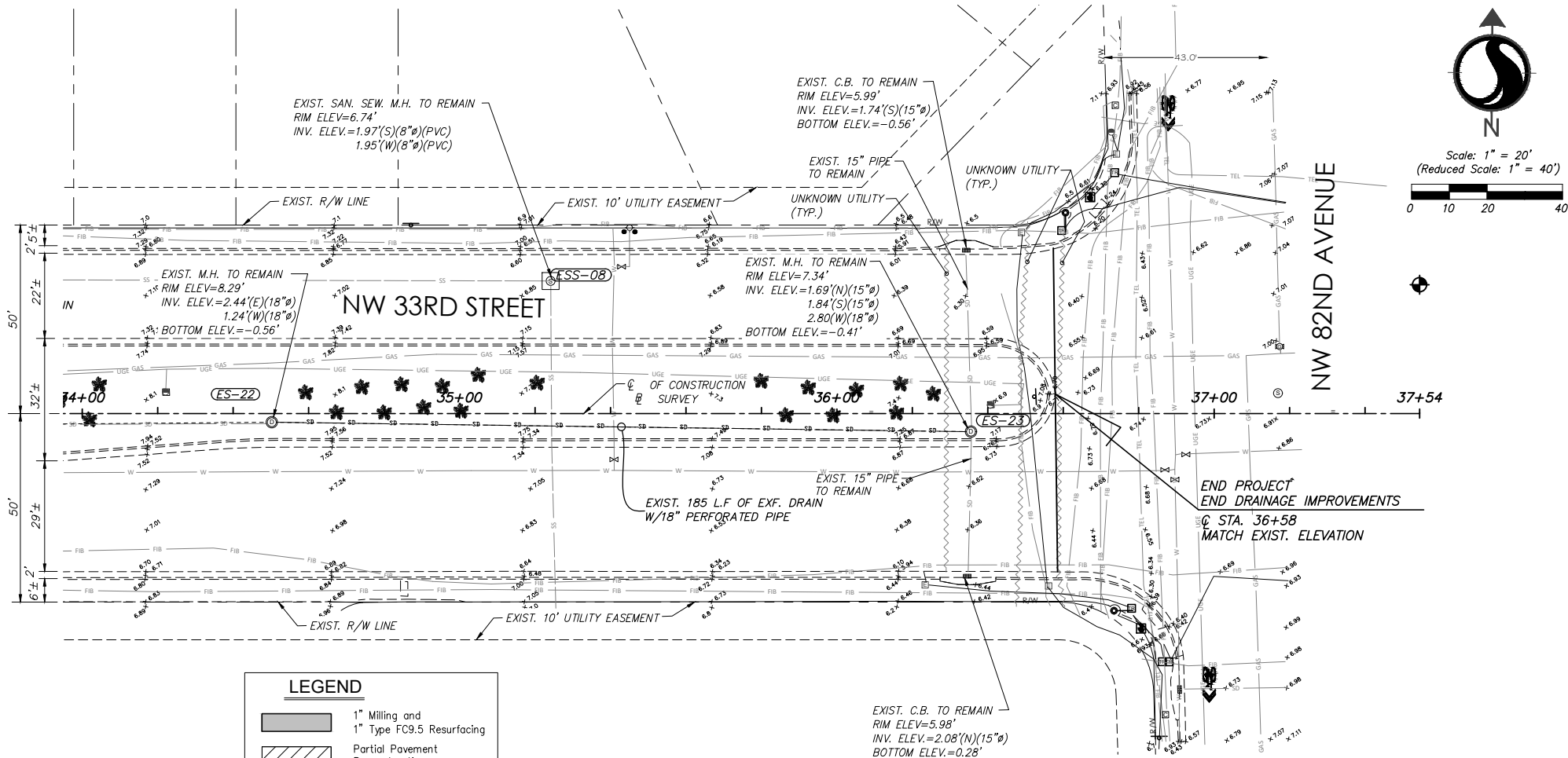
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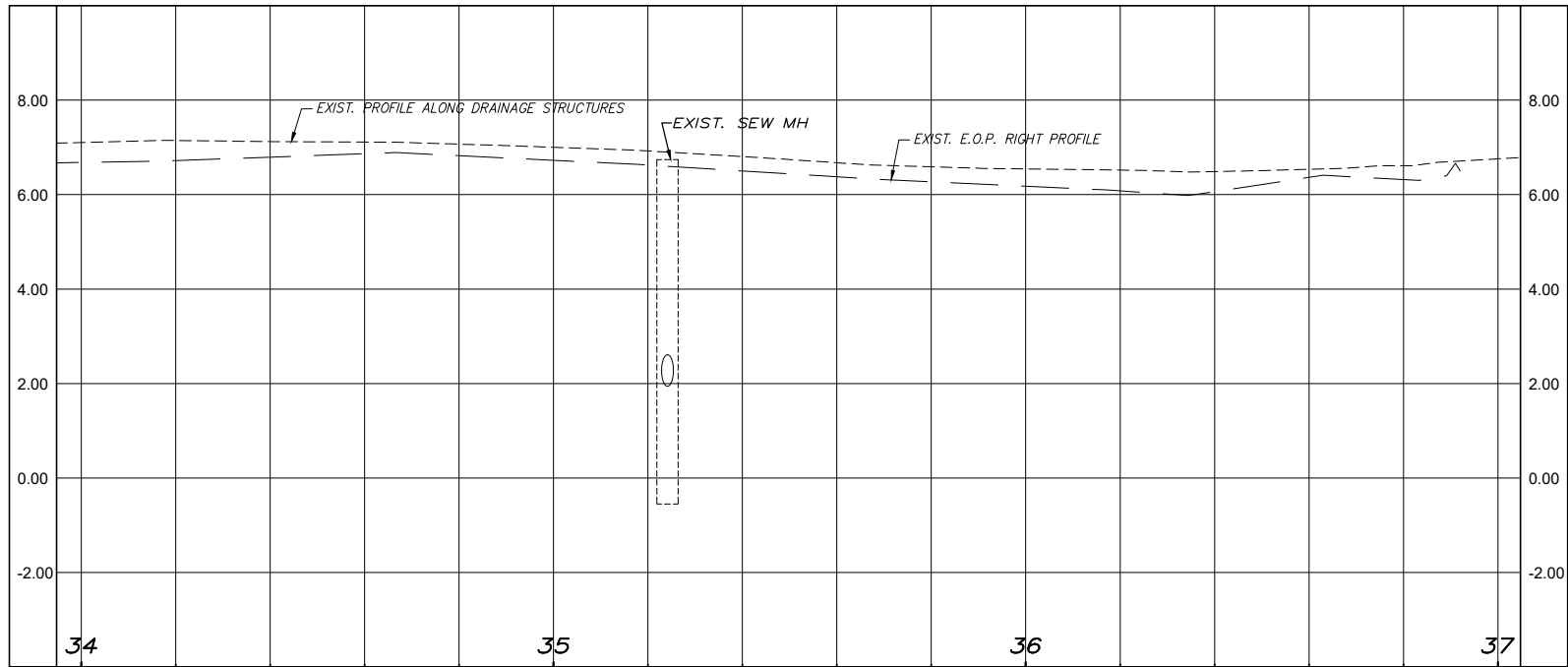
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ORIGINAL SHEET - ANSI D HORIZ



LEGEND

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	Partial Pavement Reconstruction
	Partial Type "A" Curb Reconstruction
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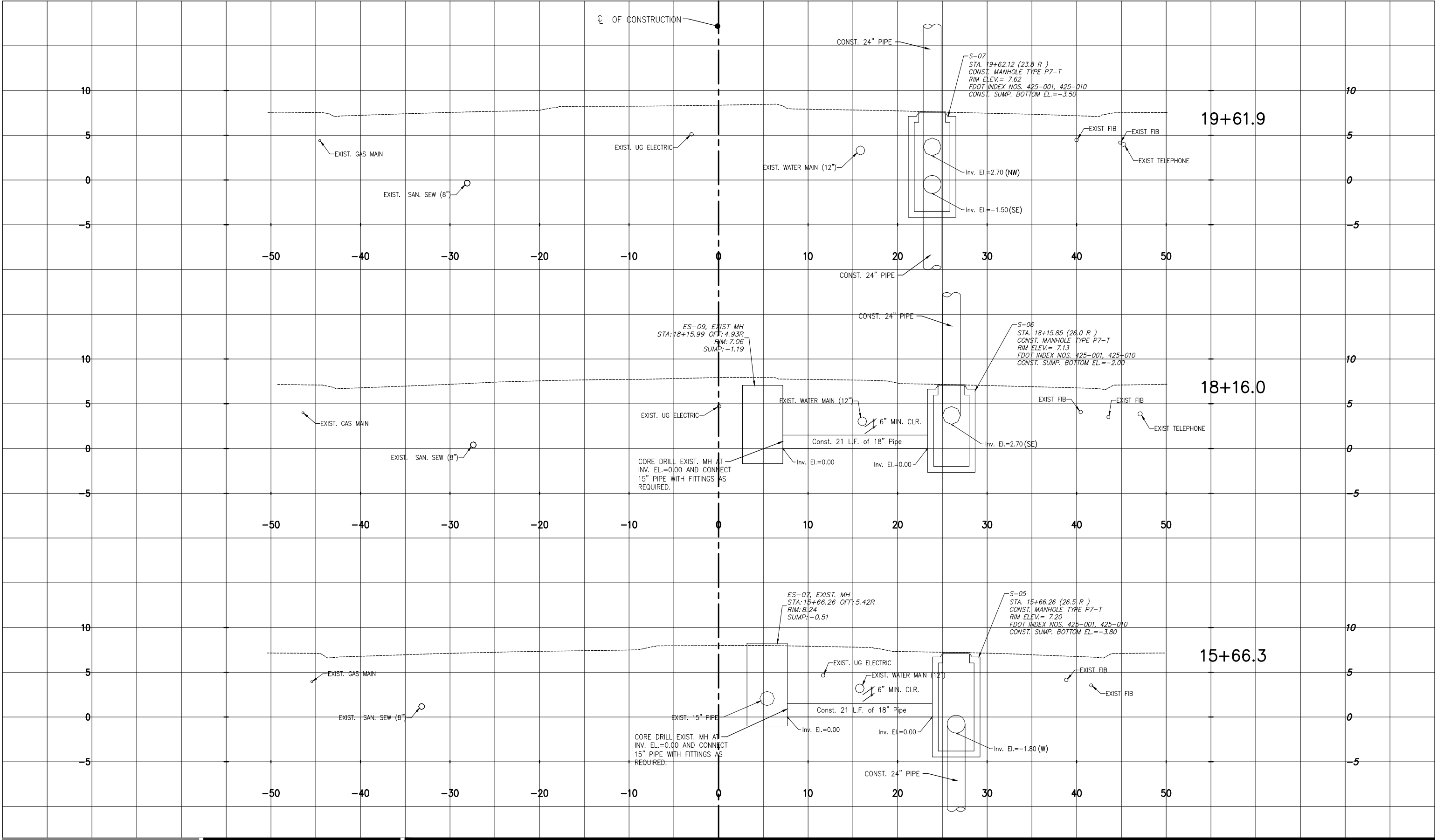
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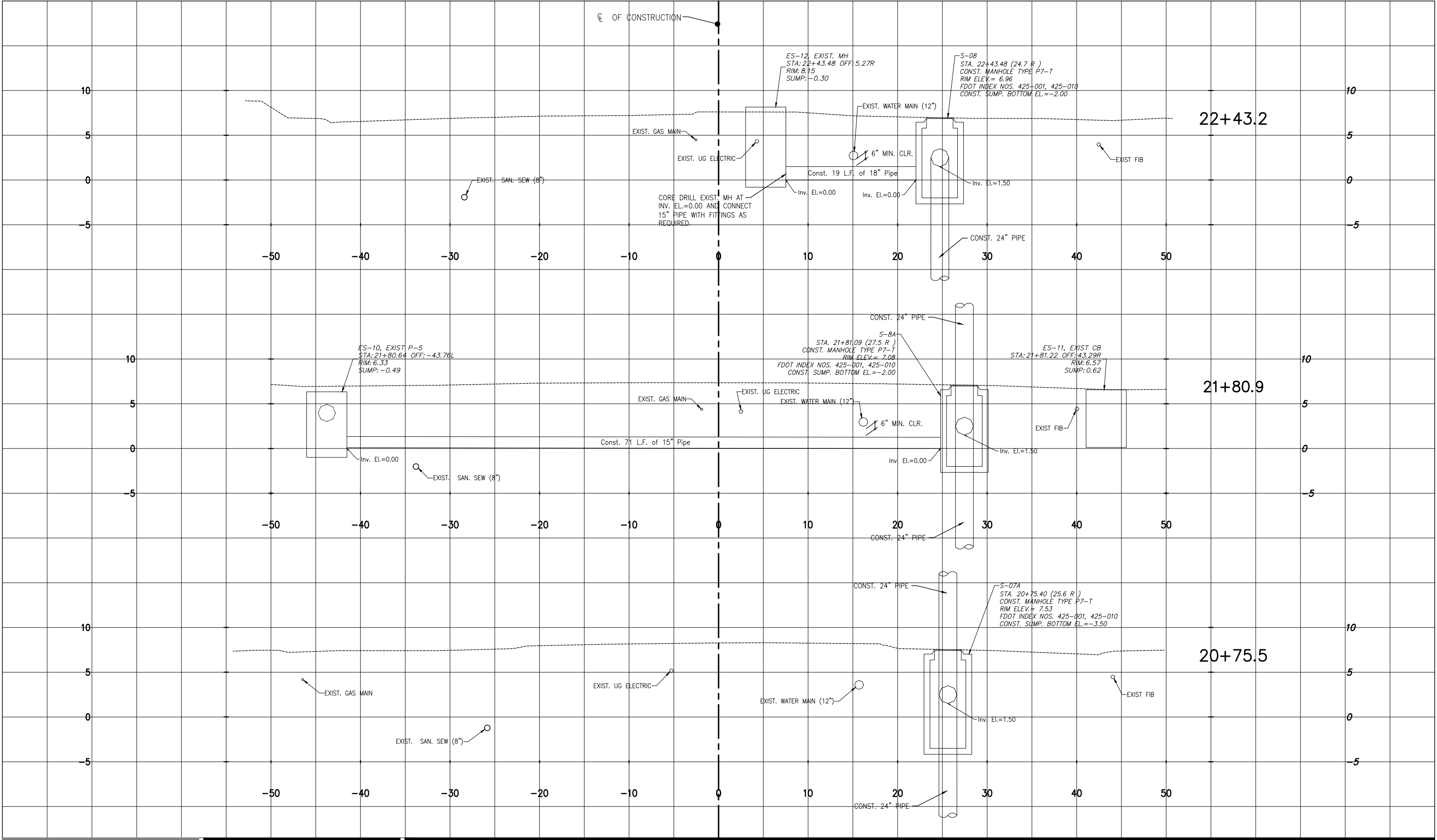
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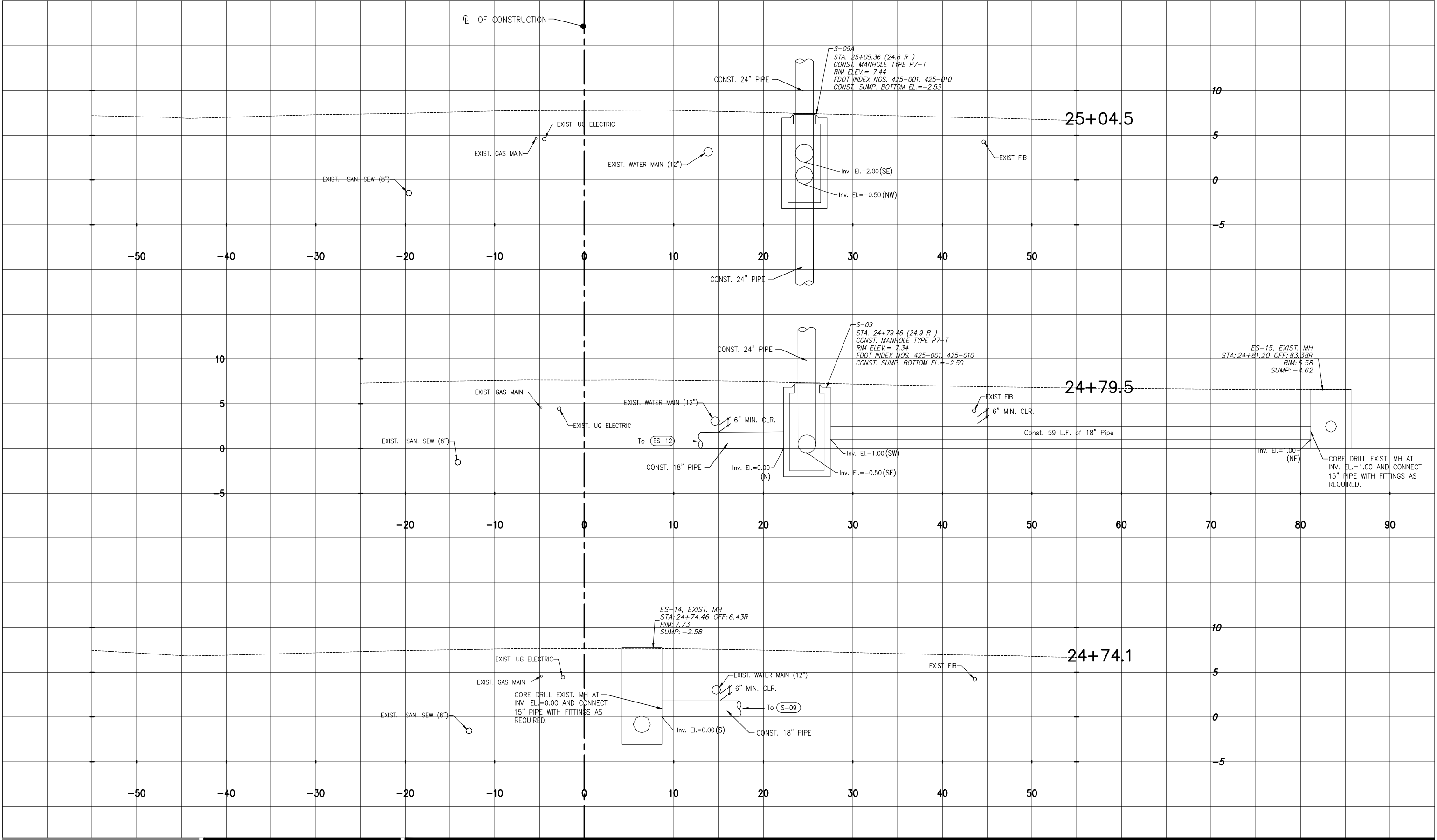
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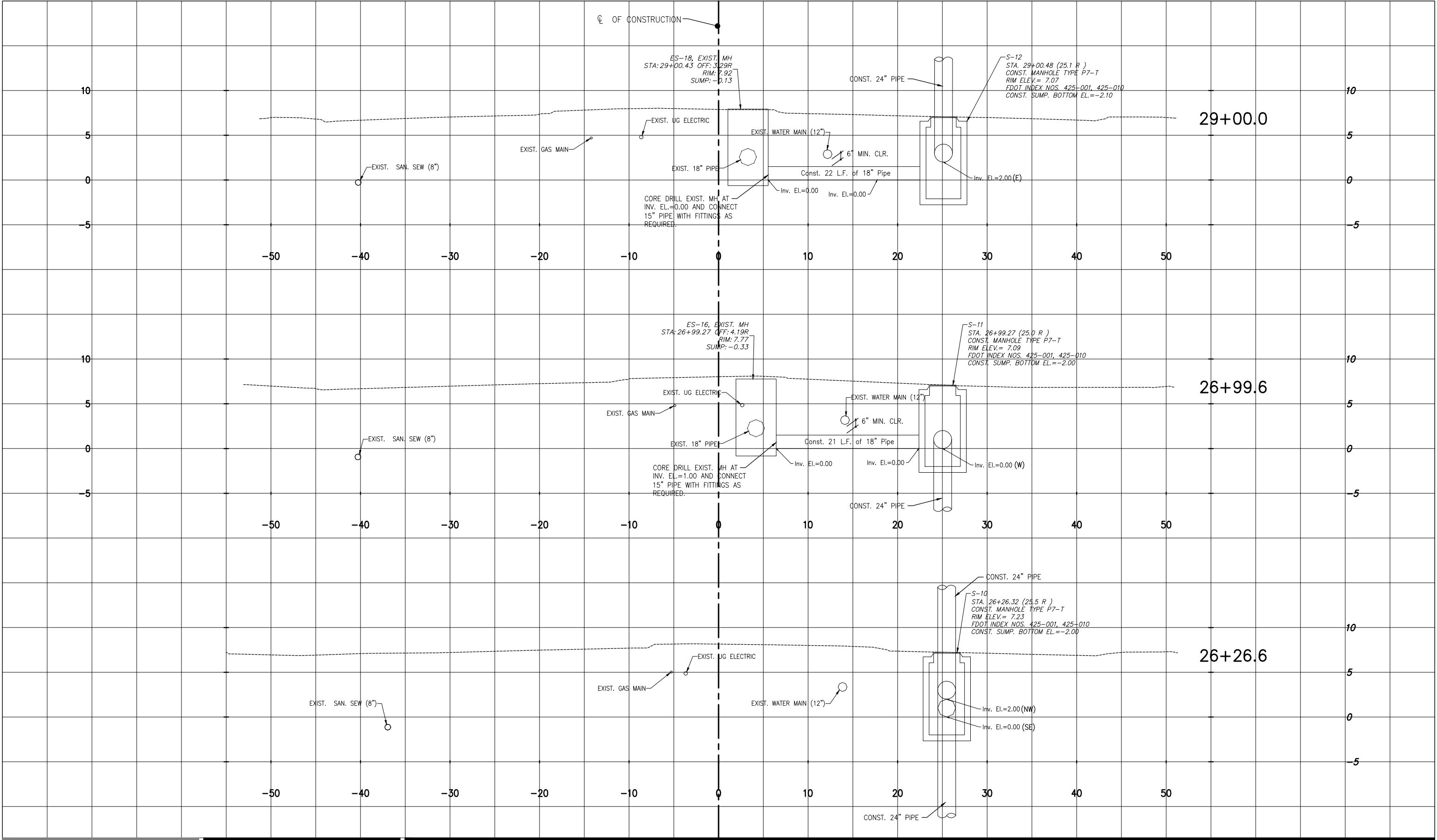
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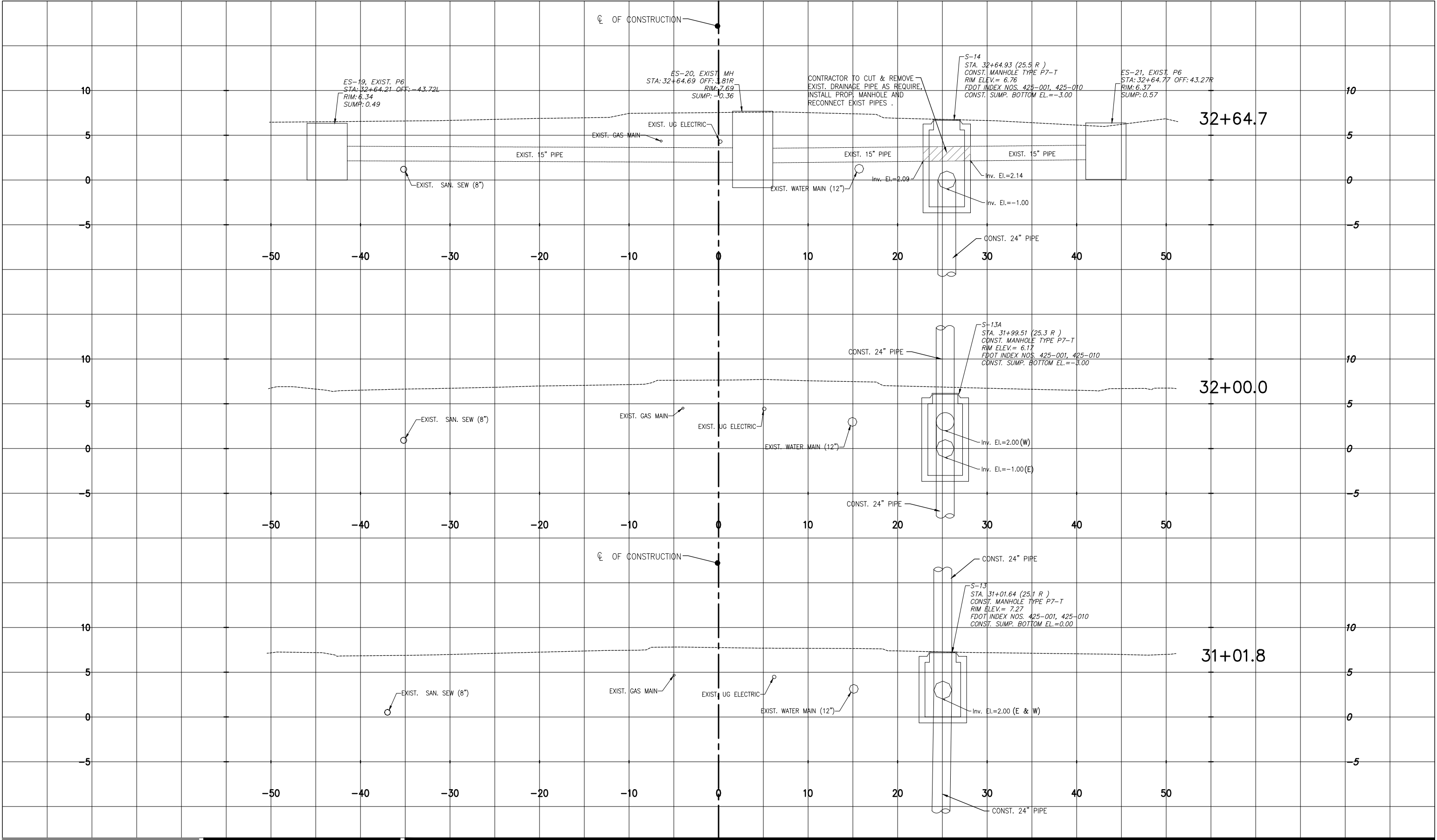
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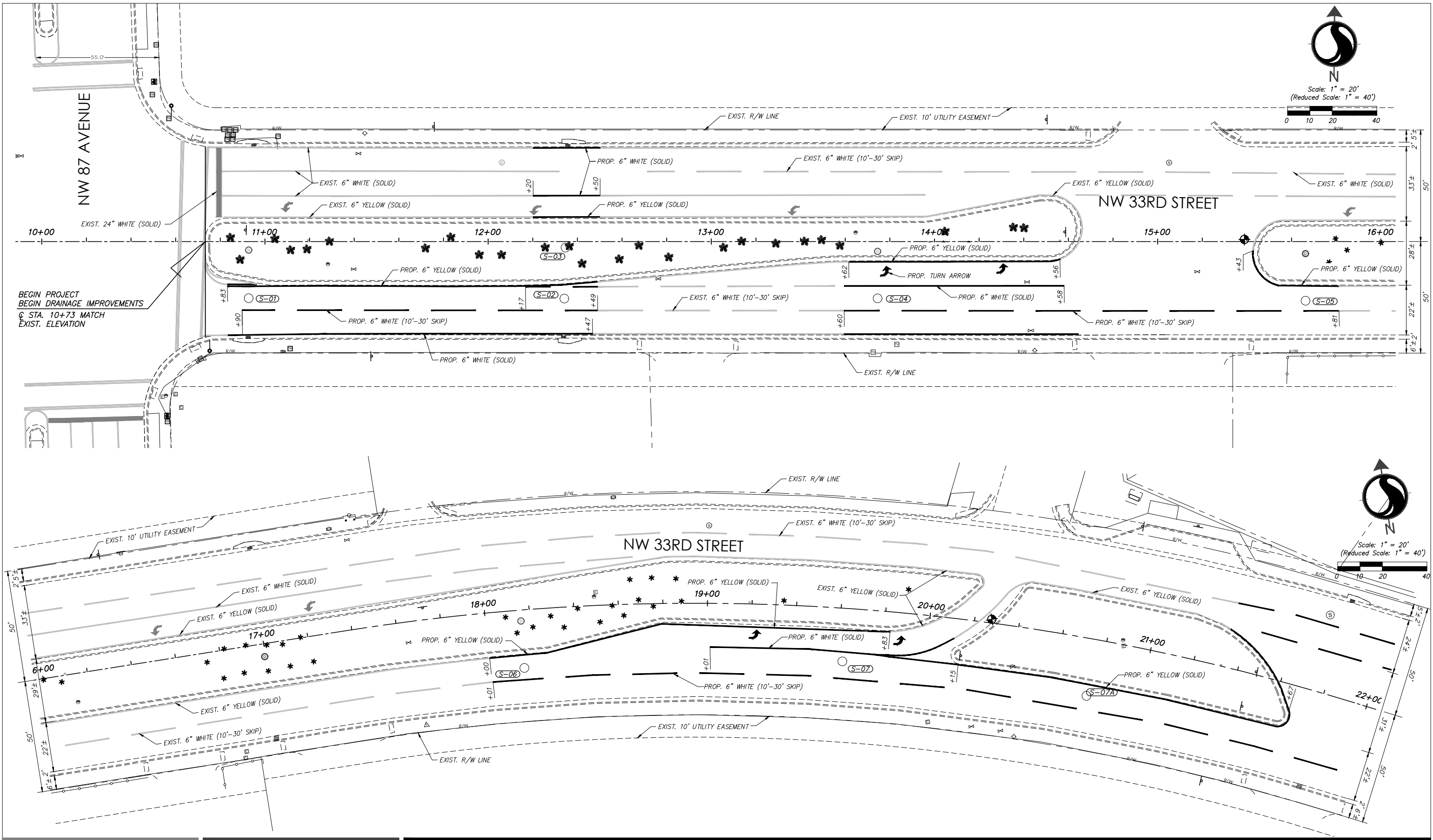
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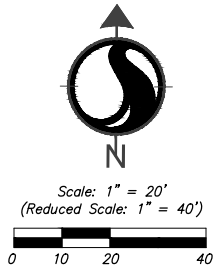
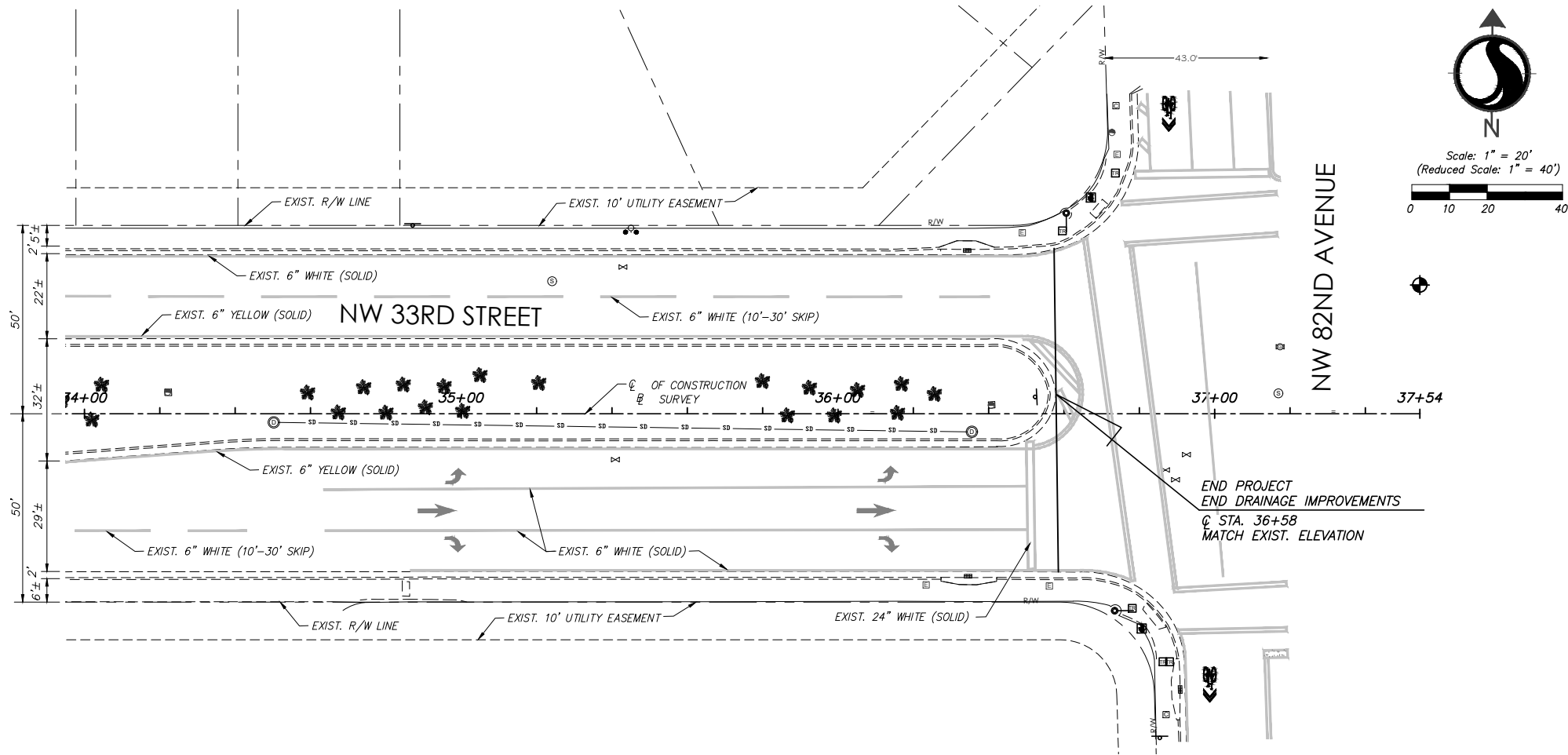
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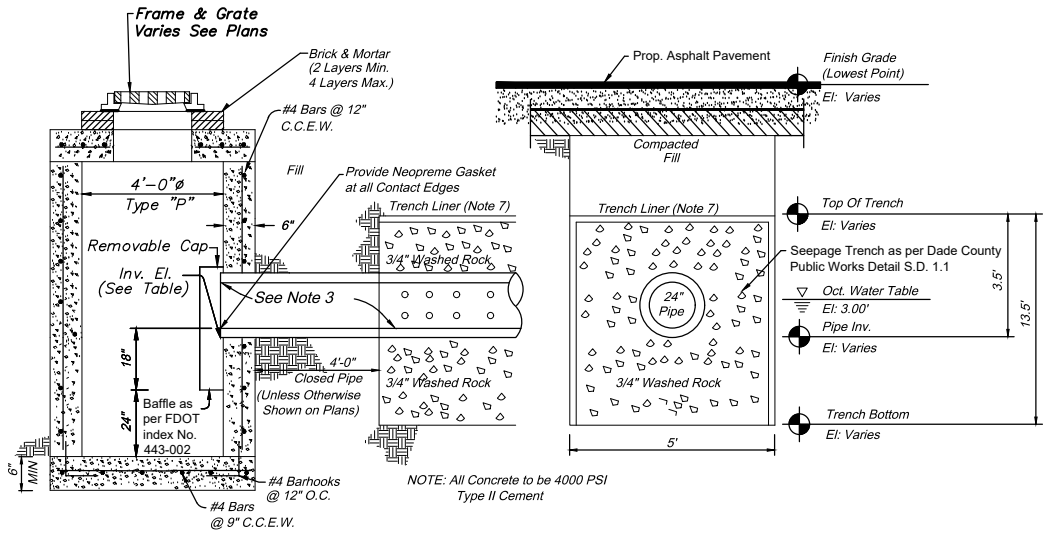
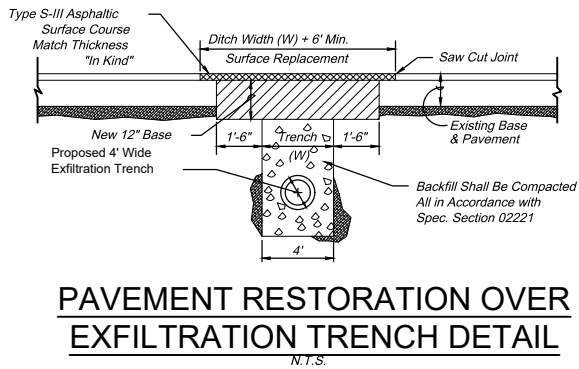
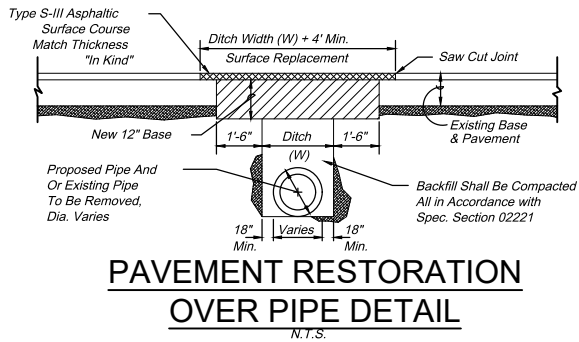
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NW 33rd ST DRAINAGE IMPROVEMENTS
from NW 87th AVE to NW 82nd AVE

File Name:	RM	CMH	CMH	21.11.08
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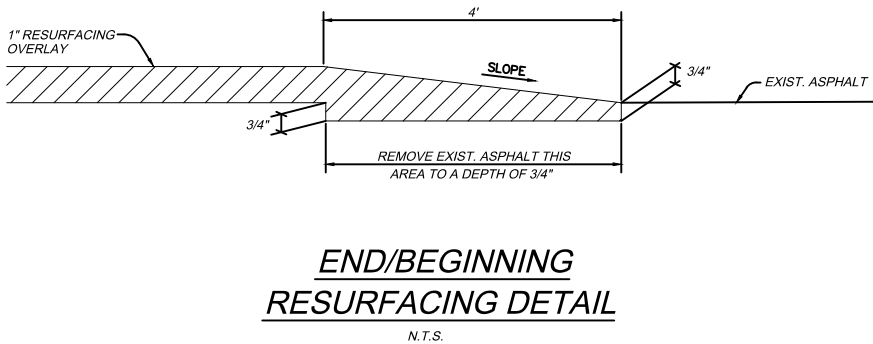
PAVEMENT MARKING

Project No.	Scale	
Drawing No.	Sheet	Revision
C-18	of	



- NOTES**
1. U.S. Precast Corp. Type "P" 4'-0" ϕ Catch Basin (Unless Otherwise Specified)
 2. Concrete = 4000 P.S.I. at 28-Days, Type II Cement
 3. Trench Pipe Shall be 24" Slotted HDPE or Approved Equal
 4. Pipes Shall Terminate 2 Feet from End of Trench or Connect to Additional Catch Basin As Required.
 5. Cover Pipe Ends With No. 10 Galvanized or Aluminum Screen, Opening No Larger Than 1/2" x 1/2"
 6. Ballast Rock Shall be from Fresh Water Washed Free of Deleterious Matter.
 7. Sides, Bottom and Top of Trench to be Lined with Filter Fabric Overlap Trench lining material a Minimum of Three (3) Feet at Top.

TYPE "P" CATCH BASIN & EXFILTRATION TRENCH DETAIL
N.T.S.



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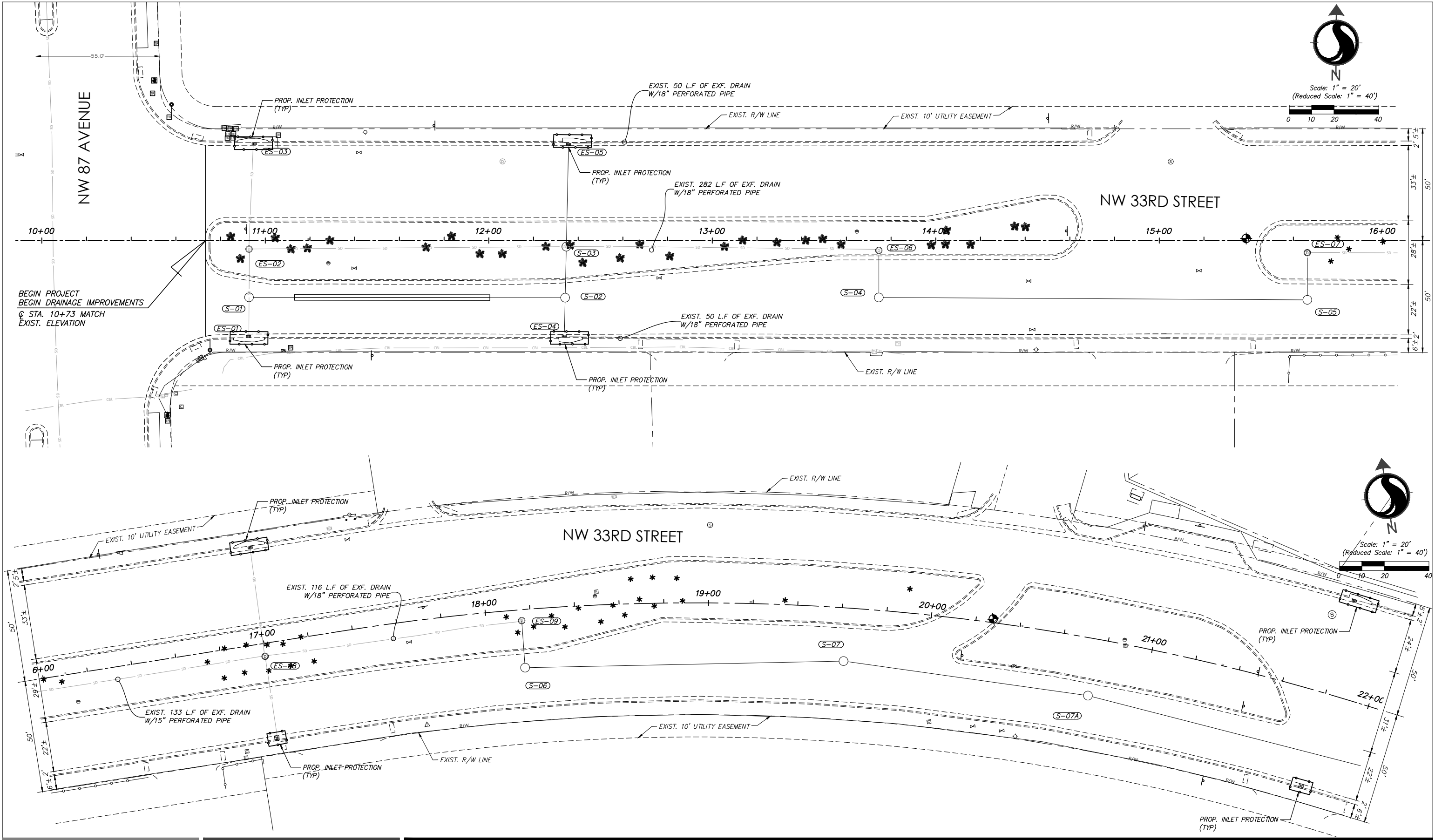
CITY OF DORAL
NW 33rd ST DRAINAGE IMPROVEMENTS
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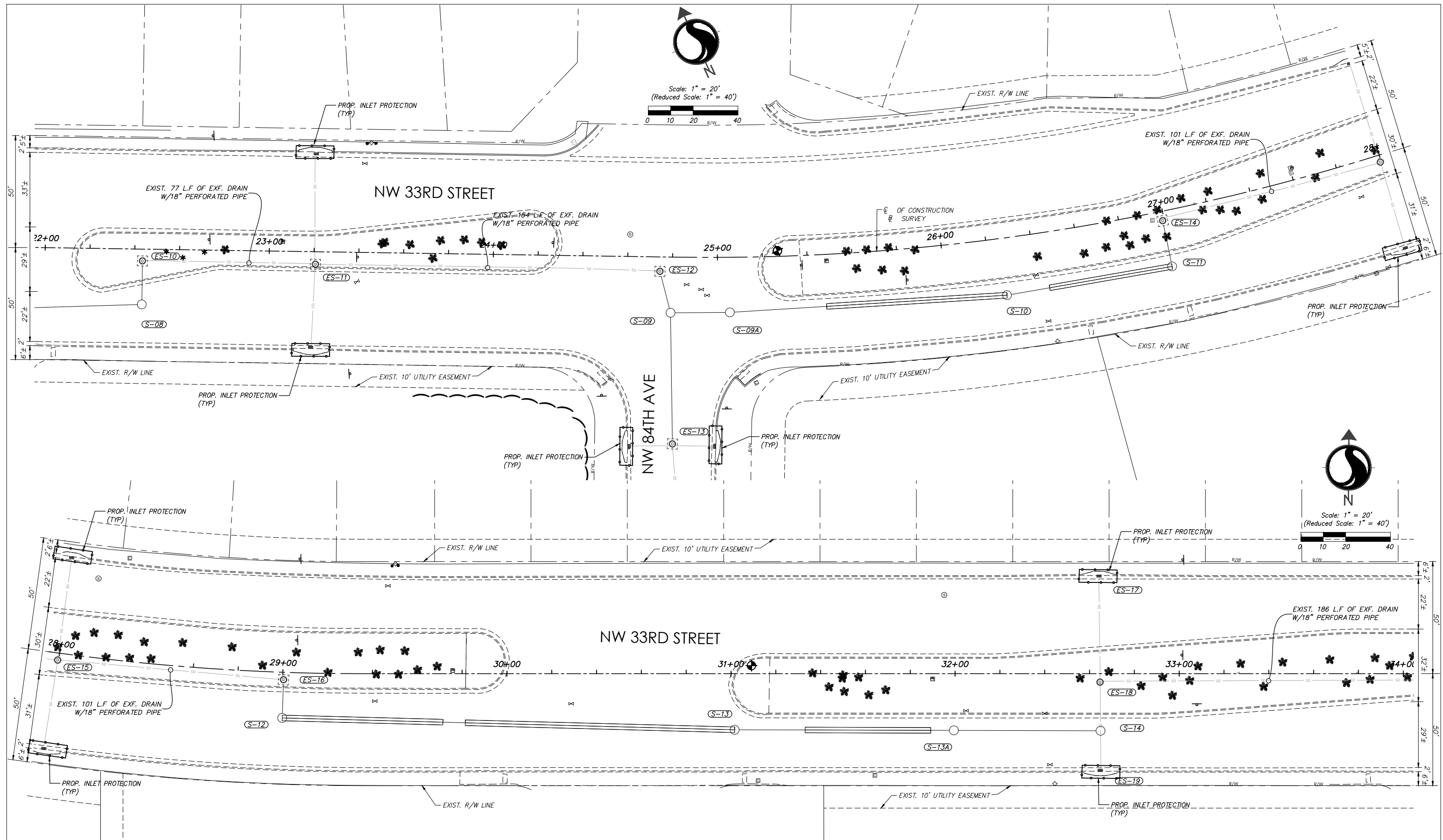
GENERAL DETAILS

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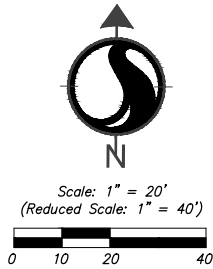
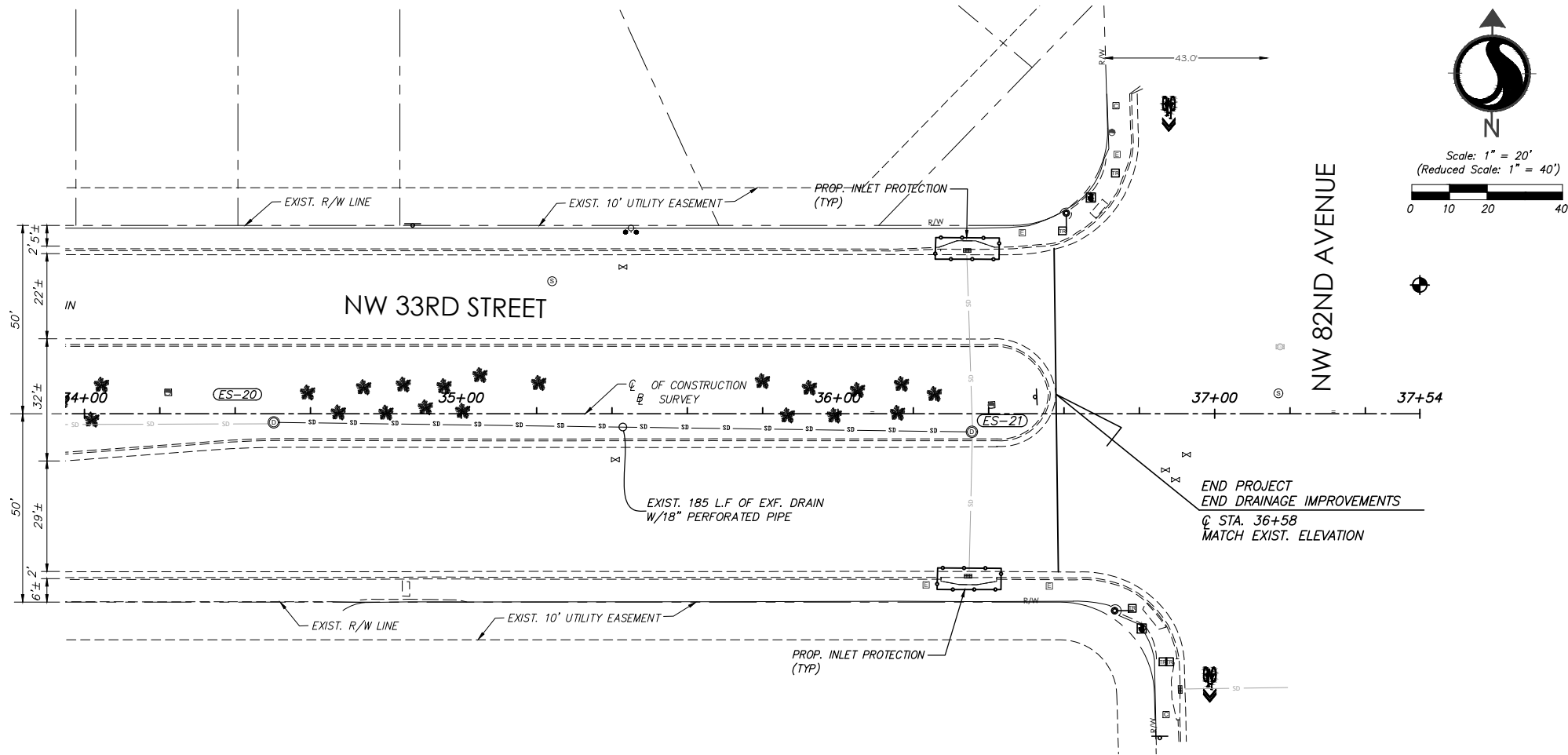
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CITY OF DORAL
NW 33rd ST DRAINAGE IMPROVEMENTS
from NW 87th AVE to NW 82nd AVE

SWPP SITE PLAN

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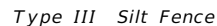
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SWPP SITE PLAN		
Project No.	Scale	
Drawing No.	Sheet	Revision
C-22	of	



N.T.S.



*Type III Silt Fence Protection
Around Ditch Bottom Inlets.*

1. *Spacing for Type III Fence to be in accordance with Chart 1, Sheet 1 of 3 and ditch installations at drainage structures Sheet 2 of 3 per FDOT Standard Index 102.*
2. *Do not deploy in a manner that silt fences will act as a dam across permanent flowing watercourses. Silt fences are to be used at upland locations and turbidity barriers used at permanent bodies of water.*

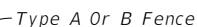
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COMPLETED INLET

DITCH BOTTOM INLET

N.T.S.



- Loose Soil Placed By Shovel And Lightly Compacted Along Upstream Face Of Bales.

N.T.S.

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1. TYPE I AND II SYNTHETIC BARRIER SHOULD BE SPACED IN ACCORDANCE WITH CHART 1, SHEET 1 PER INDEX 102.
2. BALES SHALL BE ANCHORED WITH 2-1" X 2" (OR 1" DIA.) X 4' WOOD STAKES. STAKES OF OTHER MATERIAL OR SHAPE PROVIDING EQUIVALENT STRENGTH MAY BE USED IF APPROVED BY THE ENGINEER. STAKES OTHER THAN WOOD SHALL BE REMOVED UPON COMPLETION OF THE PROJECT.
3. RAILS AND POSTS SHALL BE 2" X 4" WOOD. OTHER MATERIALS PROVIDING EQUIVALENT STRENGTH MAY BE USED IF APPROVED BY THE ENGINEER.
4. ADJACENT BALES SHALL BE BUTTED FIRMLY TOGETHER.
5. WHERE USED IN CONJUNCTION WITH SILT FENCE, BALES SHALL BE PLACED ON THE UPSTREAM SIDE OF THE FENCE.

THE APPLICATION AND HANDLING OF HERBICIDES AND PESTICIDES SHALL BE IN COMPLIANCE WITH THE MANUFACTURES-RECOMMENDED METHOD AND IN ACCORDANCE WITH FDOT STANDARD SPECIFICATION FOR ROADS AND BRIDGE CONSTRUCTION. HERBICIDES AND PESTICIDES SHALL BE ONSITE IN THEIR ORIGINAL CONTAINERS WITH PRODUCT LABEL INTACT.

CONTRACTOR SHALL PROVIDE EQUIPMENT NECESSARY TO CONTAIN AND CLEAN UP SPILLS OF HAZARDOUS MATERIAL AFTER THEY OCCUR. SPILLED MATERIAL AND THE EQUIPMENT USED TO CLEAN UP THE SPILL SHALL NOT COME IN CONTACT WITH SURFACE WATERS OR BE INTRODUCED INTO STORM WATER. DISPOSAL OF SURPLUS PRODUCT WILL BE DONE ACCORDING TO MANUFACTURE RECOMMENDED METHOD.

TOXIC/HAZARDOUS MATERIAL EXPOSED DURING CONSTRUCTION ACTIVITIES SHALL BE HANDLED AS PER THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

* NPDES FROM THE CITY OF DORAL PUBLIC WORKS DEPARTMENT

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A PLAN FOR MAINTAINING ALL EROSION AND SEDIMENT CONTROLS THROUGHOUT CONSTRUCTION. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED IN GOOD WORKING ORDER BY THE CONTRACTOR. IF A CONTROL NEEDS REPAIR OR REPLACEMENT, IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT AND RECORDED ON THE INSPECTION FORMS. MAINTENANCE SHALL CONTINUE UNTIL ALL ERODIBLE SOILS WITHIN THE CONTRIBUTING AREA HAVE BEEN STABILIZED. AT THIS POINT, THE CONTRACTOR SHALL REMOVE EXCESS SILT AT THE CONTROLS AND REMOVE THE TEMPORARY DEVICES. THE MAINTENANCE PLAN SHALL AT MINIMUM, COMPLY WITH THE FOLLOWING:

- QUALIFIED PERSONNEL SHALL INSPECT ALL THE CONTROL FEATURES AT LEAST ONCE EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.50 INCHES OR GREATER. TO COMPLY THE CONTRACTOR SHALL INSTALL AND MAINTAIN RAIN GAUGES AND RECORD THE DAILY RAINFALL. WHERE SITES HAVE BEEN PERMANENTLY STABILIZED, INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY WEEK. THE CONTRACTOR SHALL ALSO ENSURE THAT CONTROLS INSTALLED IN THE FIELD AGREE WITH THE LATEST STORMWATER POLLUTION PREVENTION PLAN (SWPPP). THE FOLLOWING ITEMS WILL BE INSPECTED:

- * POINTS OF DISCHARGE TO MUNICIPAL SEPARATE STORM SEWER SYSTEMS (INLETS, ETC.): INSPECT TO DETERMINE IF CONTROLS ARE EFFECTIVE IN PREVENTING OR MINIMIZING THE DISCHARGE OF POLLUTANTS.

THE CONTRACTOR SHALL MAINTAIN A FILE CONTAINING THE CURRENT SWPPP, NOI SUBMITTAL, CERTIFICATIONS AND ALL THE SIGNED INSPECTION REPORTS; THE NOTICE OF INTENT SUBMITTED AS REQUIRED BY CHAPTER 62-621, FAC, MUST BE POSTED AT THE SITE.

- * CULVERT INSTALLATION METHODS
- * SLURRY DISPOSAL
- * DUST CONTROL
- * EQUIPMENT WASHOUT
- * PIPE DESILTING ACTIVITIES
- * IRRIGATION

4. COMPLETE INSPECTION FORMS.

ORIGINAL SHEET - ANSI D HORIZ

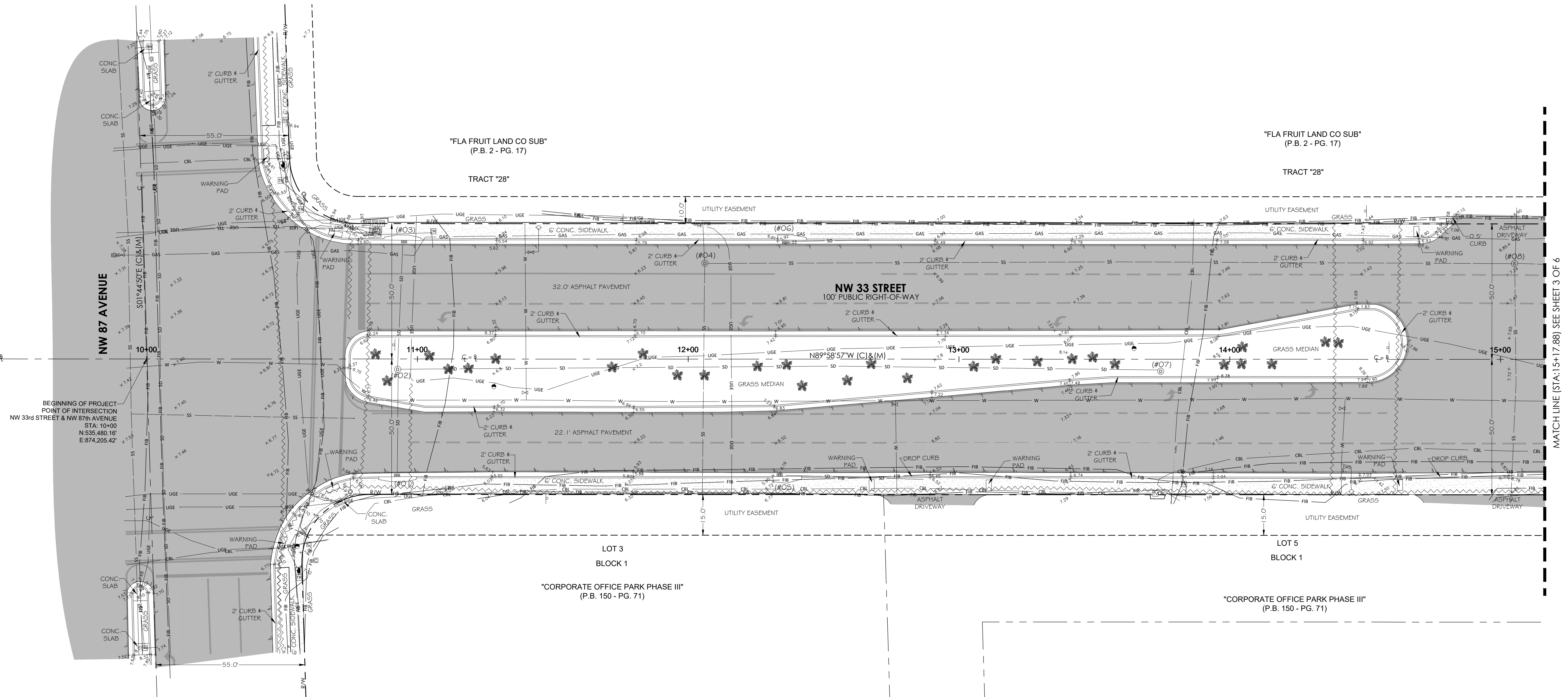
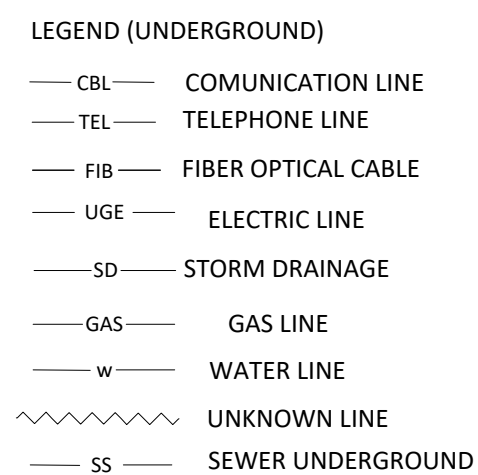
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NW 33 STREET FROM NW 87 AVENUE TO NW 82 AVENUE

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NW 3.

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Issuing Date:	Dec. 1, 2021
Project No.:	21402.0.01

Sheet 2 of 6

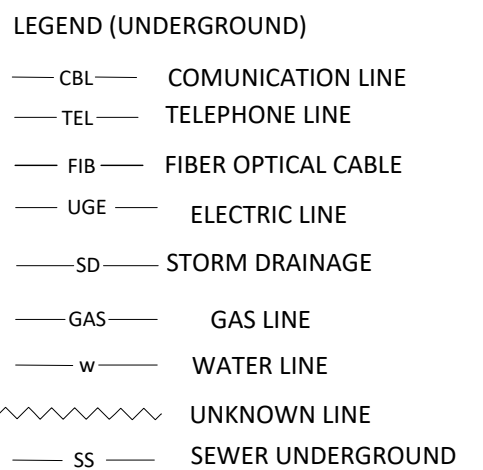
A diagram showing a large square with a smaller square inside it. The area of the large square is shaded gray, and the area of the smaller square is shaded white. This illustrates the concept of area and how it can be calculated by subtracting the area of the inner square from the area of the outer square.

7769 NW 48th STREET
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DORAL, FLORIDA
33166
PH: (305) 463-0912
FAX: (305) 513-5680
FLORIDA CERTIFICATE
OF AUTHORIZATION
LB 7335

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NW 33 STREET FROM NW 87 AVENUE TO NW 82 AVENUE

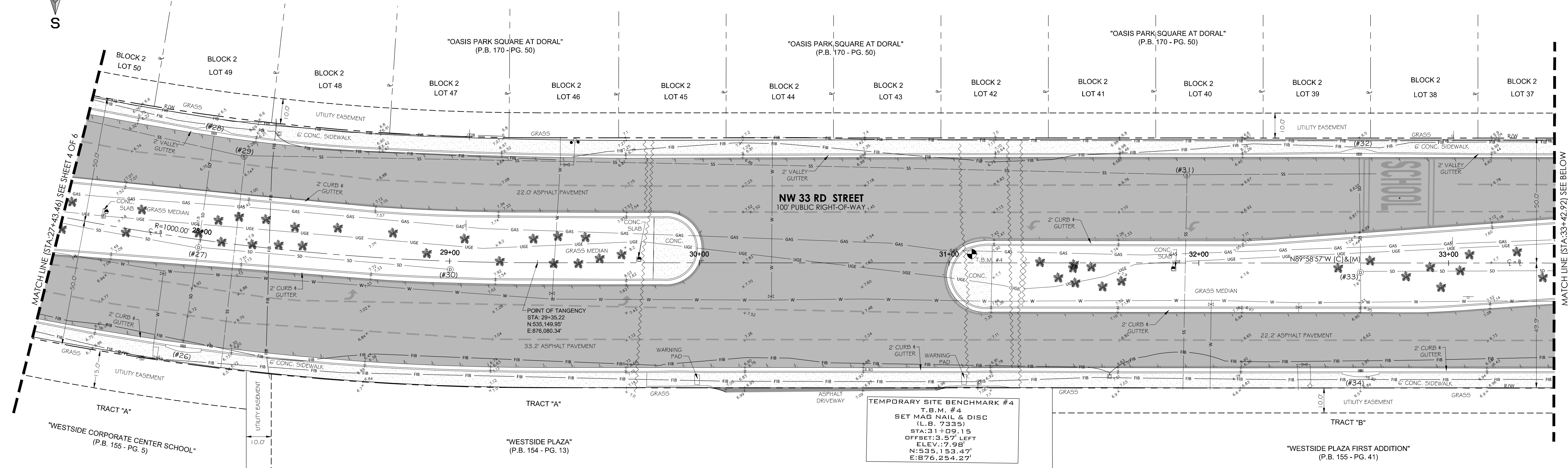
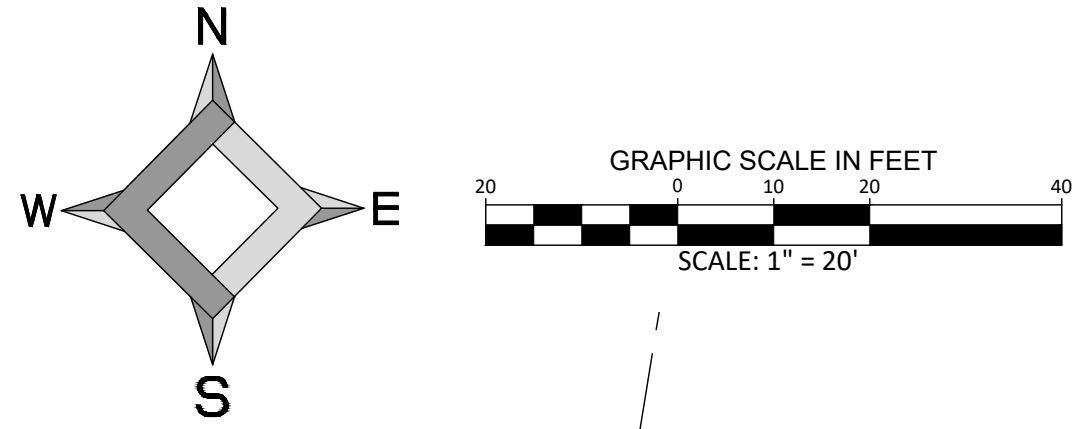
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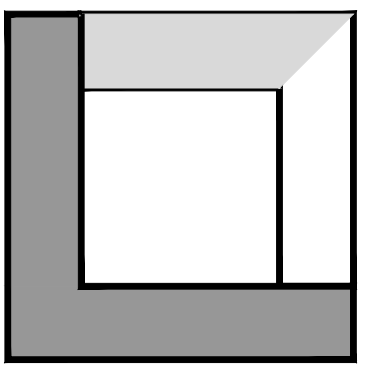
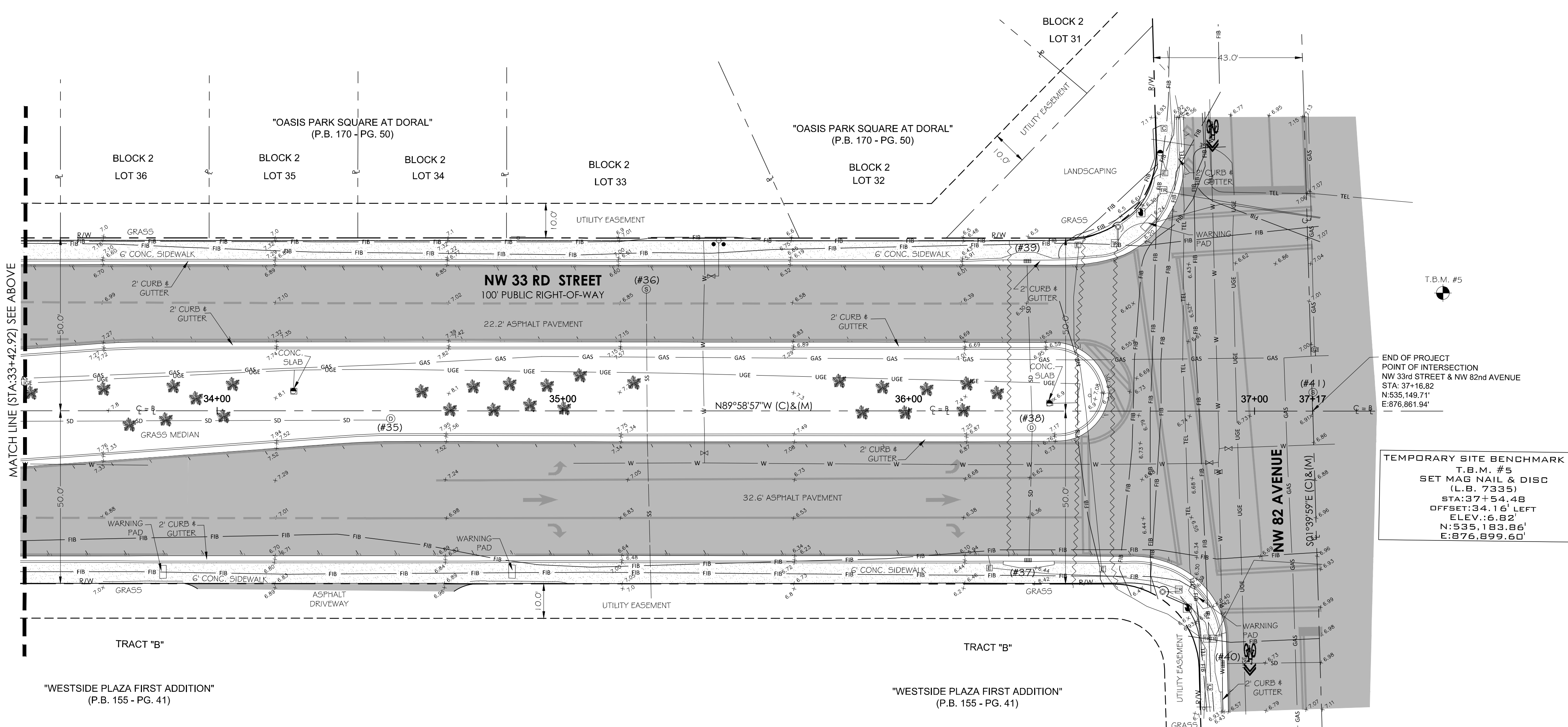
Sheet 4 of 6

MAP OF TOPOGRAPHIC SURVEY



LEGEND (UNDERGROUND)

CBL	COMMUNICATION LINE
TEL	TELEPHONE LINE
FIB	FIBER OPTICAL CABLE
UGE	ELECTRIC LINE
SD	STORM DRAINAGE
GAS	GAS LINE
W	WATER LINE
UNKNOWN LINE	UNKNOWN LINE
SS	SEWER UNDERGROUND



LONGITUDE SURVEYORS

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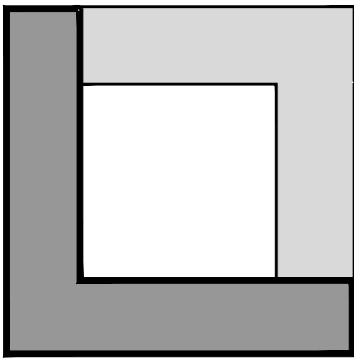
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Project Address: NW 33 STREET FROM NW 87 AVENUE TO NW 82 AVENUE

Scale:	AS SHOWN
Drawn By:	JG
Checked By:	DF
Managed By:	DF
Drawing Date:	Dec. 1, 2021
Project No.:	21402.0.01
Sheet	5 of 6

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MAP OF TOPOGRAPHIC SURVEY



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DRAINAGE AND SANITARY INFORMATION									
#	TYPE	RIM	DIRECTION 1	DIRECTION 2	DIRECTION 3	DIRECTION 4	DIRECTION 5	BOTTOM ELEV.	SEDIMENT ELEV.
1	CURB INLET	5.16'	N - Ø 15" RCP - INV.: = 1.08'	-	-	-	-	-0.84'	-
2	DRAINAGE MANHOLE	7.05'	N - Ø 15" RCP - INV.: = 1.06'	E - Ø 18" CMP - INV.: = 0.08'	S - Ø 15" RCP - INV.: = 1.05'	-	-	-1.95'	0.45'
3	CURB INLET	5.19'	S - Ø 15" RCP - INV.: = 1.39'	-	-	-	-	-0.81'	-
4	DRAINAGE MANHOLE	6.31'	N - Ø 6" PVC - INV.: = 2.36'	E - Ø 8" PVC - INV.: = 2.32'	S - Ø 6" PVC - INV.: = 2.35'	-	-	-	-
5	CURB INLET	6.05'	E - Ø 18" CMP - INV.: = 2.38'	-	-	-	-	0.15'	-
6	CURB INLET	5.99'	E - Ø 18" CMP - INV.: = 2.67'	-	-	-	-	0.14'	-
7	DRAINAGE MANHOLE	8.41'	W - Ø 15" CMP - INV.: = 0.31'	-	-	-	-	-1.69'	-
8	SANITARY MANHOLE	7.05'	N - Ø 8" PVC - INV.: = 1.06'	SE - Ø 8" PVC - INV.: = 1.03'	S - Ø 8" PVC - INV.: = 1.07'	W - Ø 8" PVC - INV.: = 1.06'	-	-	-
9	DRAINAGE MANHOLE	8.24'	E - Ø 8" CMP - INV.: = 1.44'	-	-	-	-	-0.51'	-
10	CURB INLET	5.89'	N - Ø 15" RCP - INV.: = 1.79'	-	-	-	-	0.04'	1.84'
11	DRAINAGE MANHOLE	7.80'	N - Ø 15" RCP - INV.: = 2.00'	SE - Ø 18" CMP - INV.: = 1.23'	S - Ø 15" RCP - INV.: = 1.70'	W - Ø 18" CMP - INV.: = 1.25'	-	-0.55'	1.95'
12	CURB INLET	6.25'	S - Ø 15" RCP - INV.: = 1.80'	-	-	-	-	-0.15'	-
13	SANITARY MANHOLE	7.28'	NE - Ø 8" PVC - INV.: = 0.78'	SE - Ø 8" PVC - INV.: = -0.21'	SW - Ø 8" PVC - INV.: = 0.68'	NW - Ø 8" PVC - INV.: = -0.19'	-	-	-
14	CURB INLET	6.33'	SE - Ø 18" CMP - INV.: = 3.22'	-	-	-	-	-0.49'	-
15	CURB INLET	6.57'	SE - Ø 18" CMP - INV.: = 2.62'	-	-	-	-	-0.63'	-
16	DRAINAGE MANHOLE	8.15'	SE - Ø 18" CMP - INV.: = 1.40'	-	-	-	-	-0.30'	-
17	CURB INLET	6.26'	NE - Ø 15" RCP - INV.: = 1.96'	-	-	-	-	-0.14'	-
18	DRAINAGE MANHOLE	7.79'	NE - Ø 15" RCP - INV.: = 1.83'	SE - Ø 18" CMP - INV.: = 1.14'	SW - Ø 15" RCP - INV.: = 1.81'	NW - Ø 18" CMP - INV.: = 1.29'	-	-0.41'	-
19	CURB INLET	6.26'	SW - Ø 15" RCP - INV.: = 2.21'	-	-	-	-	0.29'	-
20	SANITARY MANHOLE	7.57'	NE - Ø 8" CLAY - INV.: = 0.72'	NE - Ø 8" CLAY - INV.: = -1.33'	SE - Ø 8" PVC - INV.: = -1.91'	SW - Ø 10" PVC - INV.: = -1.95'	NW - Ø 8" CLAY - INV.: = -1.91'	-	-
21	DRAINAGE MANHOLE	7.73'	NW - Ø 18" CMP - INV.: = -1.58'	-	-	-	-	-0.22'	-
22	CURB INLET	6.13'	SE - Ø 15" RCP - INV.: = 2.18'	-	-	-	-	0.33'	-
23	DRAINAGE MANHOLE	6.58'	SE - Ø 15" RCP - INV.: = 1.83'	SW - Ø 18" CMP - INV.: = 1.28'	NW - Ø 15" RCP - INV.: = 1.78'	-	-	0.58'	-
24	CURB INLET	6.14'	NW - Ø 15" RCP - INV.: = 2.64'	-	-	-	-	0.29'	-
25	DRAINAGE MANHOLE	7.77'	SE - Ø 18" CMP - INV.: = 1.52'	-	-	-	-	-0.33'	-
26	CURB INLET	6.26'	N - Ø 15" CMP - INV.: = 2.49'	-	-	-	-	0.51'	2.56'
27	DRAINAGE MANHOLE	7.66'	N - Ø 15" RCP - INV.: = -1.89'	E - Ø 18" CMP - INV.: = 1.01'	S - Ø 15" RCP - INV.: = 1.84'	NW - Ø 18" CMP - INV.: = 1.41'	-	-0.09'	2.91'
28	CURB INLET	6.20'	S - Ø 15" RCP - INV.: = 2.30'	-	-	-	-	0.32'	-
29	SANITARY MANHOLE	6.53'	E - Ø 8" PVC - INV.: = -0.94'	S - Ø 8" PVC - INV.: = -0.48'	NW - Ø 8" PVC - INV.: = -0.97'	-	-	-	-
30	DRAINAGE MANHOLE	7.92'	W - Ø 18" CMP - INV.: = 1.82'	-	-	-	-	-0.13'	-
31	SANITARY MANHOLE	6.65'	E - Ø 8" PVC - INV.: = 0.57'	S - Ø 8" PVC - INV.: = 0.60'	W - Ø 8" PVC - INV.: = 0.55'	-	-	-	-
32	CURB INLET	6.34'	S - Ø 15" RCP - INV.: = 2.34'	-	-	-	-	0.49'	-
33	DRAINAGE MANHOLE	7.69'	N - Ø 15" RCP - INV.: = 2.15'	E - Ø 18" CMP - INV.: = 1.42'	S - Ø 15" RCP - INV.: = 2.09'	-	-	-0.36'	-
34	CURB INLET	6.37'	N - Ø 15" RCP - INV.: = 2.47'	-	-	-	-	0.57'	-
35	DRAINAGE MANHOLE	8.29'	E - Ø 18" CMP - INV.: = 2.44'	W - Ø 18" CMP - INV.: = 1.24'	-	-	-	-0.56'	3.14'
36	SANITARY MANHOLE	6.74'	S - Ø 8" PVC - INV.: = 1.97'	W - Ø 8" PVC - INV.: = 1.95'	-	-	-	-	-
37	CURB INLET	5.98'	N - Ø 15" RCP - INV.: = 2.08'	-	-	-	-	0.28'	-
38	DRAINAGE MANHOLE	7.34'	N - Ø 15" RCP - INV.: = 1.69'	S - Ø 15" RCP - INV.: = 1.84'	W - Ø 18" CMP - INV.: = 2.8'	-	-	-0.41'	2.14'
39	CURB INLET	5.99'	S - Ø 15" RCP - INV.: = 1.74'	-	-	-	-	-0.56'	-
40	CURB INLET	6.50'	E - Ø 18" HDPE - INV.: = 3.05'	-	-	-	-	-0.80'	-
41	SANITARY MANHOLE	6.92'	E - Ø 8" PVC - INV.: = -1.43'	S - Ø 8" PVC - INV.: = 1.46'	-	-	-	-	-
42	SANITARY MANHOLE	6.93'	NE-Ø 10" CIPP LINER-INV.:=-2.42'	E-Ø 8"CLAY-INV.:=-2.12'E-Ø 8"CLAY-INV.:=-0.53'	S - Ø 10" CIPP LINER - INV.: = -2.47'	W - Ø 8" CLAY - INV.: = 0.51' W - Ø 8" CLAY - INV.: = -2.17'	-	-0.48'	-
43	DRAINAGE MANHOLE	7.07'	NE-Ø 18" CMP-INV.:=-1.32'	-	-	-	-	-	-
44	DRAINAGE MANHOLE	7.06'	W - Ø 18" CMP - INV.: =0.76'	-	-	-	-	-1.19'	-
45	SANITARY MANHOLE	5.59'	NW - Ø 10"PVC - INV.: =-2.31'	NE - Ø 8" PVC - INV.: = -0.91'	SW - Ø 8"PVC- INV.: = -0.81'	SE - Ø 10" PVC - INV.: = -2.36'	-	-	-

RECORD OF REVISION									
No.	Date	By:	Description						

Project Name:

STANTEC DORAL

Project Address:

NW 33 STREET FROM NW 87 AVENUE TO NW 82 AVENUE

Scale:	AS SHOWN
Drawn By:	JG
Checked By:	DF
Managed By:	DF
Drawing Date:	Dec. 1, 2021
Project No.:	21402.0.01
Sheet 6 of 6	