

STANDARD CONSTRUCTION DRAWINGS							
THE CURRENT STANDARD CONSTRUCTION DRAWINGS FOR EACH MUNICIPALITY OR UTILITY LISTED BELOW SHALL BE CONSIDERED AS PART OF THIS SET THEREOF.							
WVDOH CITY OF WHEELING							
DR-2 (SHEETS 1-4) DR-6A DR-6B	TYPE A TRENCH TYPE D TRENCH						



H:\2022\220991\DWG\2B GREENWOOD SEWER IMPROVEMENTS\SHEETS\C_220991-2B - TITLE SHEET .DWG - TITLE SHEET - 6/11/2025 8:04:31 AM - LUCAS SKELLY

GREENWOOD STORM SEWER IMPROVEMENTS

WATER POLLUTION CONTROL DIVISION WASTEWATER COLLECTION AND TREATMENT SYSTEM **IMPROVEMENTS**

GREENWOOD STORM SEWER IMPROVEMENTS

WATER POLLUTION CONTROL DIVISION CITY OF WHEELING, WV

JUNE 2025



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	ROBERT HERR
	APPROVAL OF INTENDED. THE THE PLANS.

INDEX MAP SCALE: 1" = 150'

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6/10/2025



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ON CONTROL DIVISION 26003 34-3874

ENGINEER

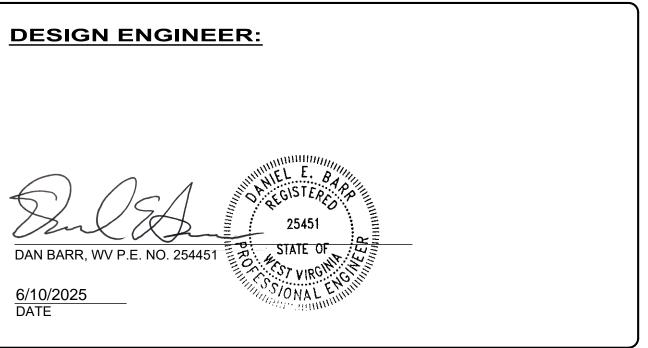
VERDANTAS 2001 MAIN STREET, SUITE 202 WHEELING, WV 26003 PHONE: (304) 232-2784

RUCTION PLAN APPROVALS:

RON, CITY MANAGER

DATE

THESE PLANS DOES NOT CONSTITUTE ASSURANCE TO OPERATE AS E REVIEWER DOES NOT ACCEPT RESPONSIBILITY FOR THE INTEGRITY OF



REVIEW NO REVISION DATE	06/09/2025	06/09/2025 AS SHOWN LAS LAS			
WATER POLLUTION CONTROL DIVISION	WASTEWATER COLLECTION AND TREATMENT	GAEWOOD STORM SEWER IMPROVEMENTS	DESIGNED BY:	TITLE SHEET	CHECKED BY:

GENERAL

ALL ITEMS FOR THIS PROJECT SHALL CONFORM TO THE 2023 EDITION OF THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS (WV DOH) STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES SHALL GOVERN THIS IMPROVEMENT, EXCEPT WHERE NOTED. ALL REFERENCES TO SECTION NUMBERS IN THE FOLLOWING ITEMS REFER TO THE AFOREMENTIONED STANDARD SPECIFICATIONS.

- PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS NECESSARY TO COORDINATE FULL-TIME INSPECTION SERVICE FOR THE PROPOSED WORK.
- 3. THE CONTRACTOR SHALL PROVIDE WRITTEN NOTIFICATION TO ENGINEER AT LEAST SEVEN (7) DAYS PRIOR TO ANY CONSTRUCTION.
- . TWENTY-FOUR (24) HOUR ADVANCE NOTIFICATION IS REQUIRED FOR ALL WORK REQUIRING INSPECTION, TESTING, OR APPROVAL BY THE ENGINEER.
- 5. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VISIT THE SITE AND VERIFY THE EXTENT OF THE WORK TO BE PERFORMED PRIOR TO MAKING HIS BID, INCLUDING BUT NOT LIMITED TO THE REMOVAL OF ANY AND ALL ITEMS.
- 6. THE CONTRACTOR AND SUBCONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL, STATE, AND LOCAL SAFETY REQUIREMENTS, TOGETHER WITH EXERCISING PRECAUTIONS AT ALL TIMES FOR PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY. IT IS ALSO THE SOLE RESPONSIBILITY OF THE CONTRACTOR OR SUBCONTRACTOR TO INITIATE, MAINTAIN, AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS, AND PROGRAMS IN CONNECTION WITH THE WORK. THE CONTRACTOR AND SUBCONTRACTOR SHALL ALSO ABIDE BY ALL CITY ORDINANCES AND STATE/FEDERAL LAWS. THE CONTRACTORS AND ALL SUBCONTRACTORS SHALL SUBMIT THEIR SAFETY PLANS PRIOR TO CONSTRUCTION. A COMPLETE SET OF PLANS, SPECIFICATIONS AND SAFETY PLAN MUST BE ON THE JOB SITE AT ALL TIMES AND AVAILABLE FOR VIEWING.
- IF THE CONTRACTOR ENCOUNTERS CONTAMINATED SOILS OR NOXIOUS FUMES, OPERATIONS SHOULD BE CEASED IMMEDIATELY.

EXISTING UTILITIES

- 8. THE CONTRACTOR IS RESPONSIBLE FOR THE INVESTIGATION, LOCATION, SUPPORT, PROTECTION, AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES WHETHER SHOWN ON THESE PLANS OR NOT. THE CONTRACTOR SHALL EXPOSE ALL UTILITIES OR STRUCTURES PRIOR TO CONSTRUCTION TO VERIFY THE VERTICAL AND HORIZONTAL CLEARANCES EXIST PER THE APPROVED PLANS. THE CONTRACTOR SHALL CALL, TOLL FREE, THE WEST VIRGINIA 8110R 1-800-245-4848 (WEB SITE WWW.WV811.COM) FORTY-EIGHT (48) HOURS PRIOR TO CONSTRUCTION AND SHALL NOTIFY ALL UTILITY COMPANIES AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO WORK IN THE VICINITY OF THEIR UNDERGROUND LINES.
- 2. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON THE RECORDS OF THE VARIOUS UTILITY COMPANIES AND. WHERE POSSIBLE. MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CITY AND/OR ENGINEER OF RECORD (EOR) ASSUME NO RESPONSIBILITY AS TO THE ACCURACY OF THE LOCATIONS OR DEPTHS OF THE UNDERGROUND FACILITIES AS SHOWN ON THE PLANS. CONTRACTOR MUST GIVE ADEQUATE NOTICE TO THE APPROPRIATE UTILITY COMPANY BEFORE ANY EXCAVATION NEAR A KNOWN UTILITY PER STATE LAW. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS.
- 10. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE RELOCATION OF ANY UTILITIES AS REQUIRED BY THE PLAN WITH THE OWNER OF THE AFFECTED UTILITY.
- 11. THE CONTRACTOR SHALL LOCATE (MARK) ALL EX. UTILITIES PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES BEFORE EXCAVATION/INSTALLATION OF THE PROPOSED SEWER
- 12. WHERE POTENTIAL CONFLICTS MIGHT OCCUR WITH EXISTING UTILITIES, THE CONTRACTOR WILL BE REQUIRED TO UNCOVER SUCH UTILITIES SUFFICIENTLY IN ADVANCE OF LAYING PIPE OR DUCT FOR THE EOR TO DETERMINE THE EXACT ELEVATION AND MAKE ANY NECESSARY ADJUSTMENTS. COST OF THE ABOVE SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS ITEMS IN THE CONTRACT.
- 13. THE CONTRACTOR SHALL REPAIR OR REPLACE ANY AND ALL EXISTING WORK DAMAGED DURING OR DUE TO THE EXECUTION OF THIS CONTRACT TO EQUAL OR BETTER CONDITION PRIOR TO THE DAMAGE, AT THE CONTRACTOR'S OWN EXPENSE. ALL SAID WORK TO BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER. ANY DAMAGE TO OTHER UTILITIES CAUSED BY THE CONTRACTOR SHALL BE REPAIRED BY THE APPROPRIATE UTILITY COMPANY AT THE CONTRACTOR'S EXPENSE.
- 14. ANY EXISTING UTILITY (GAS, ELECTRIC, CABLE TELEVISION, TELEPHONE, WATER LINE, STORM OR SANITARY APPURTENANCE, ETC.) IN OR OUTSIDE THE CONSTRUCTION LIMITS DAMAGED DURING THE CONSTRUCTION OF THE PROPOSED PROJECT, WILL BE REPLACED AT THE CONTRACTOR'S EXPENSE AND TO THE SATISFACTION OF THE UTILITY.
- 15. TEMPORARY RELOCATION OF ELECTRICAL UTILITIES, INCLUDING RESTRAINT OF POLES, RELOCATION OF POLES, AND RUBBER COVERING OF ENERGIZED CONDUCTORS MAY BE REQUIRED. THE COORDINATION AND COST OF THESE SERVICES IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR MAY RESTRAIN POLES IF THE METHOD OF SUPPORT HAS BEEN SUBMITTED TO AND APPROVED BY THE UTILITY COMPANY.
- 16. THE UTILITY WILL ONLY LOCATE AND MARK MAIN LINE SEWERS. THE CONTRACTOR IS RESPONSIBLE FOR LOCATIONS ALL SERVICE LATERALS WHETHER SHOWN ON PLANS OR NOT.

EXISTING CONDITIONS

- 17. THE CONTRACTOR SHALL CAREFULLY PRESERVE BENCH MARKS, PROPERTY CORNERS, REFERENCE POINTS AND STAKES AND IN CASE OF WILLFUL OR CARELESS DESTRUCTION, HE SHALL BE CHARGED WITH THE RESULTING EXPENSE OF REPLACEMENT AND SHALL BE RESPONSIBLE FOR ANY MISTAKES THAT MAY BE CAUSED BY THEIR UNNECESSARY LOSS OR DISTURBANCE. ANY EXISTING PROPERTY CORNER PINS OR MONUMENTS DAMAGED OR DESTROYED BY CONSTRUCTION SHALL BE RESET BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE UPON COMPLETION OF THE PROJECT PRIOR TO FINAL PAYMENT. A CERTIFICATION SHALL BE FURNISHED BY A WV REGISTERED SURVEYOR, STATING THAT SAID DAMAGES HAVE BEEN RESTORED. THE CONTRACTOR SHALL PROVIDE SITE EROSION CONTROL TO PREVENT RUNOFF WATER FROM THE SITE FROM CARRYING SAND, SILT, DIRT, ETC. ONTO PRIVATE PROPERTY, OR INTO ANY STORM SEWER OR DRAINAGE CHANNEL. EROSION CONTROL SHALL CONFORM WITH THE REQUIREMENTS OF SPECIFICATIONS AND DRAWINGS.
- 18. CARE SHALL BE EXERCISED WHEN WORKING THE AREA AROUND EXISTING TREES AND SHRUBS. ANY TREES OR SHRUBS NOT MARKED FOR REMOVAL THAT ARE DAMAGED BY THE CONTRACTOR WILL HAVE TO BE REPLACED BY THE CONTRACTOR, AT HIS EXPENSE AND TO THE SATISFACTION OF THE OWNER.
- 19. THE CONTRACTOR SHALL PROVIDE PROPER TRENCHING SUPPORT AT ALL TIMES. ANY DAMAGE TO ADJACENT STRUCTURES, PAVEMENT, SIDEWALKS, OR UTILITIES SHALL BE REPLACED AT THE CONTRACTORS EXPENSE. ALL SAID WORK SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER.
- 20. EXISTING SANITARY FLOWS SHALL BE MAINTAINED AND PROPERLY BYPASSED ACCORDING TO PROJECT SPECIFICATIONS.

DISPOSAL OF MATERIALS

- 21. THE CONTRACTOR IS RESPONSIBLE FOR PROPER DISPOSAL OF ALL CONSTRUCTION DEBRIS INCLUDING BUT NOT LIMITED TO EXCESS SOIL, ROCK, OR ANY OTHER TYPE MATERIALS. THE CONTRACTOR SHALL NOT FILL ANY WETLANDS, LOW LANDS, FLOOD PLAINS, OR DRAINAGE WAYS WITH SAID DEBRIS WITHOUT OBTAINING PROPER APPROVALS, PERMITS, LICENSES, ETC. FROM LOCAL, STATE, OR FEDERAL AGENCIES.
- 22. THE CONTRACTOR IS RESPONSIBLE FOR DISPOSAL OF MATERIALS TAKEN FROM EXCAVATIONS.
- 23. THE OPEN BURNING OF SITE CLEARING DEBRIS, TRASH, ETC. IS PROHIBITED IN THE CITY.

RESTORATION

- 24. ALL MAIL BOXES AND TRAFFIC CONTROL SIGNS ENCOUNTERED DURING CONSTRUCTION SHALL BE REPLACED IMMEDIATELY AFTER THE SEWER HAS BEEN INSTALLED AND BACKFILLED. PROVIDE TEMPORARY MAIL BOXES FOR DISRUPTIONS GREATER THAN 24 HOURS
- 25. RESTORATION IN MOST CASES SHALL BE PERFORMED ACCORDING TO THE CITY OF WHEELING TRENCH DETAILS AS SHOWN ON THE DETAIL SHEET. ANY EXCEPTIONS TO THIS RESTORATION METHOD ARE PRESENTED IN THE PLAN SHEETS ON A CASE BY CASE BASIS.

ADDITIONAL CLARIFYING NOTES

26. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH PROPERTY OWNERS.

TREE CLEARING

27. NO CLEARING SHALL TAKE PLACE OUTSIDE OF THE DESIGNATED WORK LIMITS.

CONSTRUCTION LAYOUT STAKES

28. ITEM SHALL CONFORM TO SECTION 639 OF THE WVDOT SPECIFICATION MANUAL. ITEM SHALL BE PAID ON A LUMP SUM (LS)

PAVEMENT/SIDEWALK SECTION

35. ITEM 408002 TACK COAT SHALL CONFORM TO SECTION 408 OF THE WVDOT SPECIFICATION MANUAL. THE UNIT OF MEASURE SHALL BE GALLONS.

MOBILIZATION

MAINTENANCE OF TRAFFIC

- ADVANCE.
- AHEAD SIGNS, AND PEDESTRIAN BARRICADES.
- UPON BETWEEN THE BUSINESS OWNER AND CONTRACTOR.

SANITARY SEWER

- 45. ITEM 675007- 8" PLASTIC SEWER PIPE (SDR.35) PLACEMENT
- INCLUDED IN THE UNIT PRICE OF THE PIPE

STORM SEWER

- 47. ITEM 219001 CLSM TYPE B

- LABOR.
- 52. ALL MANHOLES LIDS SHALL BE INSTALLED FLUSH WITH GROUND
- F-2306; AND INSTALLATION AND BEDDING PER ASTM D-2321
- ALTERNATIVES).
- MH FRAME: 1450Z
- MH CASTING: DENOTED ON PROFILE

INLET: GRATE DENOTED ON PROFILE SANITARY SEWER

55. ITEM 675007- 8" PLASTIC SEWER PIPE (SDR35)

SPECIAL ITEMS

- 56. ITEM SPECIAL HEADWALL 1 (18" PIPE) STANDARD DETAIL DR2 (SHEETS 1-4).
- 57. ITEM SPECIAL DEBRIS RACK
- 58. ITEM SPECIAL INSERTA-TEE PAY ITEM. ITEM SHALL BE PAID FOR ON AN EACH (EA) BASIS.
- 59. ITEM SPECIAL UNSUITABLE BACKFILL CONTINGENCY
- 60. ITEM SPECIAL DRIVEWAY REPLACEMENT
- 61. ITEM SPECIAL BULKHEAD FOR SEWER

36. ITEM 501001- 8" REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT. THE CONTRACTOR SHALL FURNISH ALL LABOR, TOOLS, MATERIAL AND EQUIPMENT NECESSARY TO FURNISH AND INSTALL THIS ITEM TO CONFORM TO SECTION 501 OF THE WVDOT SPECIFICATIONS MANUAL. THIS ITEM SHALL INCLUDE SAW CUTTING PAVEMENT FULL DEPTH PRIOR TO EXCAVATION. THE PAY LIMIT WIDTH OF REPLACEMENT IS ESTABLISHED IN THE STANDARD DETAIL DRAWING FOR THE VARIOUS SIZE PIPES. MAXIMUM WIDTH IS PAVED AREA DISTURBED. THE UNIT OF MEASURE SHALL BE SQUARE YARDS (SY) INSTALLED AS SHOWN ON THE STANDARD DETAIL DRAWINGS, MEASURED IN PLACE.

37. ITEM 307001- 6" CLASS 1 AGGREGATE BASE COURSE. THIS ITEM SHALL CONFORM TO SECTION 307 OF THE WVDOT SPECIFICATION MANUAL. ALL WORK, LABOR, MATERIAL, DISPOSAL, EQUIPMENT, AGGREGATE, AND EXCAVATION NECESSARY TO COMPLETE WORK SHALL BE INCLUDED IN THIS ITEM. THIS ITEM SHALL BE PAID FOR BY THE CUBIC YARD PLACED (CY).

38. ITEM 401002- 2" WEARING COURSE TYPE 4. THE CONTRACTOR SHALL FURNISH ALL LABOR, TOOLS, MATERIAL AND EQUIPMENT NECESSARY TO FURNISH AND INSTALL WEARING COURSE. THIS ITEM SHALL INCLUDE PLACEMENT OF WEARING COURSE TYPE 4 AS SHOWN ON THE STANDARD DETAIL DRAWINGS AND PER THE CONTRACT DOCUMENTS. THE PAY LIMIT WIDTH OF REPLACEMENT IS ESTABLISHED IN THE STANDARD DETAIL DRAWING FOR THE VARIOUS SIZE PIPES. MAXIMUM WIDTH IS PAVED AREA DISTURBED. ALL WORK NECESSARY TO COMPLETE THE ITEM IN ACCORDANCE WITH THE WVDOH SPECIFICATIONS (TABLE 401.4.2A) AND THE NOTES OUTLINED IN THESE PLANS. THE UNIT OF MEASURE SHALL BE TONS (TON) INSTALLED AS SHOWN ON THE STANDARD DETAIL DRAWINGS, MEASURED IN PLACE.

39. ITEM 609002- BED COURSE MATERIAL, THIS ITEM SHALL CONFORM TO SECTION 609 OF THE WVDOT SPECIFICATION MANUAL. ALL WORK, LABOR, MATERIAL, DISPOSAL, AGGREGATE, EQUIPMENT, AND EXCAVATION NECESSARY TO COMPLETE ITEM SHALL BE INCLUDED. THIS ITEM SHALL BE PAID FOR BY CUBIC YARD (CY).

40. ITEM SHALL CONFORM TO SECTION 204 OF THE WVDOT SPECIFICATION MANUAL.THIS ITEM SHALL INCLUDE PERFORMANCE OF CONSTRUCTION PREPARATORY OPERATIONS, INCLUDING THE MOVEMENT OF PERSONNEL AND EQUIPMENT TO THE PROJECT SITE, PERMITS, BONDING AND INSURANCE. MAXIMUM PAYMENT FOR THIS ITEM WILL BE 50% ON FIRST PAY REQUEST AND BALANCE WILL BE PAID ON FINAL PAY REQUEST. ITEM SHALL BE PAID IN LUMP SUM (LS) BASIS.

41. ITEM SHALL CONFORM TO SECTION 636 OF WVDOT SPECIFICATION MANUAL AND DETAILS ON THE CONSTRUCTION PLAN SET. ITEM SHALL BE LUMP SUM(LS) BASIS. ANY IMPACTS TO ACCESS MUST BE COORDINATED WITH PROPERTY OWNERS A MINIMUM OF 24-HOUR IN ADVANCE. THE CONTRACTORS SHALL PROVIDE UPDATES TO THE CITY WITH TRAFFIC IMPACTS SEVEN DAYS PRIOR TO MAKING CHANGES. CHANGES TO THE MAINTENANCE OF TRAFFIC PLAN, CLOSURES, AND WEEKLY UPDATES SHALL BE SENT TO THE ENGINEER AND OWNER. TRAFFIC CONTROL SHALL BE COORDINATED WITH THE CITY OF WHEELING POLICE. PARKING CHANGES MUST BE POSTED ALONG THE STREET IMPACTED A MINIMUM OF 24-HOURS IN

42. ROADWAYS SHALL ONLY BE CLOSED ONE LANE AT A TIME. PROVIDE A SIGNED PEDESTRIAN DETOUR, ROADWAY CLOSED

43. THE CONTRACTOR SHALL COORDINATE INDIVIDUALLY WITH BUSINESS OWNERS ALONG THE ALIGNMENT TO ENSURE THAT TRUCK AND SHIFT TRAFFIC WILL NOT BE IMPEDED BY CONSTRUCTION. A SCHEDULE SHALL BE DEVELOPED THAT IS AGREED

44. TEMPORARY LIGHTING MAY BE USED IN LIEU OF FLAGMEN, IN ACCORDANCE WITH THE WVDOT MANUAL ON TEMPORARY TRAFFIC CONTROL FOR STREETS AND HIGHWAYS, 2006 EDITION, SPECIFICALLY DESCRIBED IN SECTION F.75 THROUGH F.80 OF THE MANUAL. IN ALL CASES THE MAINTENANCE OF TRAFFIC PLAN SHALL BE APPLIED AND ADHERED TO.

ALL SANITARY SEWER PIPE SHALL BE PVC SDR 35 (ASTM D3034). POLYVINYL CHLORIDE PIPE SHALL CONFORM TO SECTION 675 AND SUBSECTION 714.22 OF THE WVDOH SPECIFICATION MANUAL. ITEM SHALL BE PAID ON A LINEAR FOOT (LF) BASIS AND SHALL INCLUDE FITTINGS, PIPE MATERIAL, INSTALLATION, AND SUITABLE MATERIAL TO BE REUSED FOR TRENCH

46. COST OF ALL LABOR, MATERIALS, AND EQUIPMENT TO COMPLETE TRENCH WORK TO THE SURFACE OF THE EXISTING GROUND OR BOTTOM OF THE AGGREGATE BASE COURSE IN ACCORDANCE OF THE DETAILS IN THE PLANS SHALL BE

CONTRACTOR TO FILL EXISTING STORM SEWER PIPE WITH CLSM TYPE B. CLSM SHALL CONFORM TO SECTION 219 OF THE WVDOT SPECIFICATION MANUAL. ITEM SHALL BE PAID ON A CUBIC YARD (CY) BASIS.

48. ITEM 604052 - PLASTIC SEWER PIPE SHALL CONFORM TO SECTION 604 AND SUBSECTION 714.19 OF THE WVDOT SPECIFICATION MANUAL. ITEM SHALL BE PAID ON A LINEAR FOOT (LF) BASIS AND SHALL INCLUDE THE FITTINGS, PIPE MATERIAL, INSTALLATION, AND SUITABLE MATERIAL TO BE REUSED FOR TRENCH PLACEMENT.

49. ITEM 605001 ALL MANHOLES SHALL BE WVDOT TYPE A MANHOLES ACCORDING TO DETAILS. THIS ITEM SHALL CONFORM TO SECTION 605 OF THE WVDOT SPECIFICATION MANUAL. ITEM SHALL BE PAID ON AN EACH (EA) BASIS AND IS TO INCLUDE ALL EQUIPMENT, MATERIAL INCLUDING GRATE AND CORRESPONDING FRAME, INSTALLATION, AND LABOR.

50. ITEM 605004 ALL INLETS SHALL BE WVDOT TYPE B INLETS ACCORDING TO DETAILS (UNLESS OTHERWISE NOTED). THIS ITEM SHALL CONFORM TO SECTION 605 OF THE WVDOT SPECIFICATION MANUAL. ITEM SHALL BE PAID ON AN EACH (EA) BASIS AND IS TO INCLUDE ALL EQUIPMENT, MATERIAL INCLUDING GRATE AND CORRESPONDING FRAME, INSTALLATION, AND

51. COST OF ALL LABOR, MATERIALS, AND EQUIPMENT TO COMPLETE TRENCH WORK TO THE SURFACE OF THE EXISTING PAVEMENT IN ACCORDANCE OF THE DETAILS IN THE PLANS SHALL BE INCLUDED IN THE UNIT PRICE OF THE PIPE.

53. FOR PIPE SIZES 12"-30" THE PROPOSED STORM SEWER PIPE SHALL BE HDPE N-12 SMOOTH INTERIOR, CORRUGATED EXTERIOR PER ASTM F-2648; GASKETS PER ASTM F-477; BELL AND SPIGOT JOINTS TO ASTM D-3212; FITTINGS TO ASTM

54. ALL MANHOLES SHALL BE CONSTRUCTED WITHOUT STEPS. MANHOLE FRAMES AND LIDS SHALL BE EAST JORDAN (NO

PLASTIC SEWER PIPE SHALL CONFORM TO SECTION 675 AND SUBSECTION 714.22 OF THE WVDOT SPECIFICATION MANUAL ITEM SHALL BE PAID ON A LINEAR FOOT (LF) BASIS AND SHALL INCLUDE THE FITTINGS, PIPE MATERIAL, INSTALLATION, AND SUITABLE MATERIAL TO BE REUSED FOR TRENCH PLACEMENT

ITEM SHALL CONFORM TO WVDOT SECTION 601 CLASS B CONCRETE. ALL WORK, LABOR, EXCAVATION, AND MATERIAL SHALL BE INCLUDED IN THIS ITEM. WORK SHALL BE PAID FOR ON AN EACH (EA) BASIS. ITEM SHALL CONFORM TO WVDOH

ITEM SHALL CONFORM TO DEBRIS RACK DETAIL AND MAY BE PREFABRICATED OR FABRICATED ON SITE. ALL WORK LABOR, EXCAVATION, AND MATERIAL SHALL BE INCLUDED IN THIS PAY ITEM. WORK SHALL BE PAID FOR ON AND (EA) BASIS.

ITEM SHALL CONFORM TO WVDOT SUBSECTION 714.19. ALL WORK, LABOR, AND MATERIAL SHALL BE INCLUDED IN THIS

THE CONTRACTOR SHALL PROVIDE SUITABLE BACKFILL MATERIAL IN THE CASE THAT THE EXISTING MATERIAL IS UNSUITABLE FOR CONSTRUCTION. SUITABILITY FOR CONSTRUCTION SHALL BE AS DESCRIBED IN SECTIONS 207 AND 716 OF THE WVDOT SPECIFICATIONS MANUAL. HOWEVER, THE ENGINEER RESERVES THE RIGHT TO DETERMINE THE SUITABILITY OF BACKFILL MATERIAL. AN ESTIMATE FOR THE REQUIRED AMOUNT OF SUITABLE BACKFILL MATERIAL HAS BEEN INCLUDED IN THE TABLE OF ESTIMATED QUANTITIES, AND SHALL BE PAID ON A CUBIC YARD (CY) BASIS.

THE CONTRACTOR SHALL REPLACE EXISTING DRIVEWAY REMOVED DURING CONSTRUCTION OF THE STORM SEWER IN ACCORDANCE WITH THE STANDARD DETAIL AND SATISFACTION OF ENGINEER. CONTRACTOR SHALL FURNISH ALL LABOR, TOOLS, MATERIALS, AND EQUIPMENT NECESSARY. THE ITEM SHALL BE PAID FOR ON A SQUARE YARD (SY) BASIS.

THE CONTRACTOR SHALL FURNISH ALL LABOR, TOOLS, MATERIALS, AND EQUIPMENT NECESSARY TO CONSTRUCT A SEWER ADJUSTMENT AS SHOWN ON THE CONSTRUCTION DRAWINGS AS DETAILS. THE CONTRACTOR SHALL BE

RESPONSIBLE FOR REPAIRING ANY DAMAGE AT HIS OWN EXPENSE THAT OCCURS TO THE ADJACENT MANHO RESULT OF THE BULKHEAD CONSTRUCTION. ITEM SHALL BE PAID ON AN EACH (EA) BASIS.

63. ITEM SPECIAL - ABANDON STORM STRUCTURE CONTRACTOR TO FILL EXISTING STORM MANHOLE WITH #57 STONE, CAP WITH 6" OF CONCRETE, AND REMOV AND CASTING. CASTING AND LID SHALL BE RETURNED TO CITY. ALL WORK, LABOR, MATERIAL, EQUIPMENT, EXCAVATION REQUIRED TO ABANDON THE MANHOLE SHALL BE INCLUDED WITH THIS PAY ITEM. ITEM SHALL AN EACH (EA) BASIS.

62. ITEM SPECIAL- SEWER PIPE REMOVAL ALL WORK, LABOR, MATERIAL, EQUIPMENT, AND EXCAVATION REQUIRED TO SEAL THE EXISTING CONNECTION INCLUDED WITH THIS PAY ITEM. STORM PIPE REMOVAL SHALL BE PAID ON A LINEAR FOOT (LF) BASIS.

63. ITEM SPECIAL - STORM STRUCTURE REMOVED WORK IS TO BE PAID FOR ON AN EACH (EA) BASIS. ALL WORK, LABOR, MATERIAL, BACKFILL, EQUIPMENT, DISP EXCAVATION SHALL BE INCLUDED WITH THIS PAY ITEM. CASTING AND GRATE/COVER SHALL BE RETURNED TO

64. ITEM SPECIAL - EROSION CONTROL THE CONTRACTOR SHALL PROVIDE EROSION CONTROL MEASURES IN ACCORDANCE WITH E&S CONTROL SHE WVDEP EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICE MANUAL WITH LAST REVISION DAT 29. 2016. DAMAGE TO PROPERTY AS A RESULT OF INADEQUATE EROSION CONTROL MEASURES SHALL BE SOI RESPONSIBILITY OF THE CONTRACTOR. ITEM SHALL BE PAID ON A LUMP SUM (LS) BASIS.

65. ITEM SPECIAL- GRADING, SEEDING, AND MULCHING (WHEELING)

THE CONTRACTOR SHALL FURNISH ALL LABOR, TOOLS, MATERIAL AND EQUIPMENT NECESSARY TO FURNISH SURFACE COVERING. THIS ITEM SHALL INCLUDE ALL NECESSARY GRADING, TOPSOIL, FERTILIZER, WATER, SE MULCH TO REPLACE THE DISTURBED OR DAMAGED AREA, COMPLETE AND IN ACCORDANCE WITH THE DRAW SPECIFICATIONS. THE ITEM SHALL INCLUDE ALL WORK NECESSARY TO COMPLETE THE ITEM IN ACCORDANCE SPECIFICATIONS AND THE NOTES OUTLINED IN THESE PLANS. THE UNIT OF MEASURE SHALL BE SQUARE YAR COMPUTED BY MULTIPLYING THE LENGTH OF THE DISTURBED AREA AS MEASURED ALONG THE CENTERLINE TIMES THE WIDTH OF THE DISTURBED AREA, BUT IN NO CASE SHALL THE LIMITS OF PAYMENT ON EITHER SIDE BE MORE THAN THE WORK LIMITS SHOWN ON THE DRAWINGS. DAMAGED AREAS OUTSIDE OF THE LIMITS WILI AND MULCHED AT THE CONTRACTOR'S EXPENSE.

66. ITEM SPECIAL - SUPPORT UTILITY POLE CONTRACTOR TO SUPPORT UTILITY POLE DURING CONSTRUCTION OF STORM SEWER. SUPPORT OF UTILITY BE AT THE SATISFACTION OF THE ENGINEER AND UTILITY COMPANY. ITEM SHALL BE PAID FOR ON AN EACH 67. ITEM SPECIAL - SUPPORT CAR PORT

CONTRACTOR SHALL SUPPORT CAR PORT DURING CONSTRUCTION OF STORM SEWER. SUPPORT OF CAR PO AT THE SATISFACTION OF THE ENGINEER. ANY SUBSEQUENT DAMAGE TO HOUSE OR CAR PORT SHALL BE A CONTRACTORS EXPENSE. ITEM TO BE PAID FOR ON A LUMP SUM (LS) BASIS.

68. UTILITY SERVICE RELOCATION CONTINGENCY IF UTILITY SERVICES ARE ENCOUNTERED THAT CONFLICT WITH THE PROPOSED STORM SEWER INSTALLATION CONTRACTOR SHALL RELOCATE SERVICE ACCORDINGLY AND IN ACCORDANCE WITH UTILITY COMPANY. COI SHALL FURNISH ALL WORK, LABOR, AND MATERIAL NECESSARY TO FACILITATE THE RELOCATION OF THE RE SERVICE. ITEM SHALL NOT EXCEED \$20,000 OVER DURATION OF PROJECT

69. ITEM SPECIAL- DOCUMENTATION OF SITE

THE CONTRACTOR SHALL VIDEO RECORD THE PROJECT SITE PRIOR TO START OF ACTIVITIES IN ACCORDANC PROJECT SPECIFICATIONS. THE CONTRACTOR SHALL PROVIDE ONE COPY OF VIDEO TO ENGINEER AND OWNER ELECTRONIC FORM ON USB MEMORY DEVICE. ITEM SHALL BE PAID ON A LUMP SUM (LS) BASIS.

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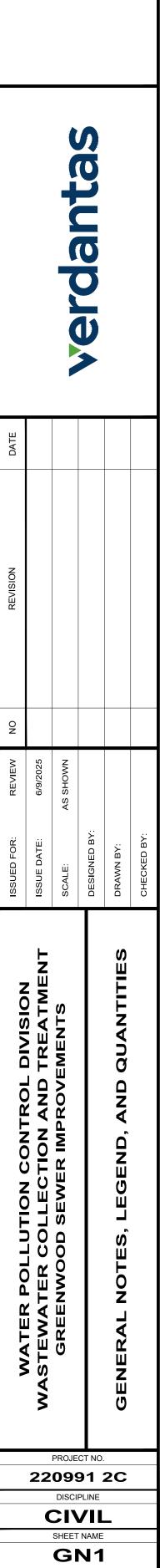
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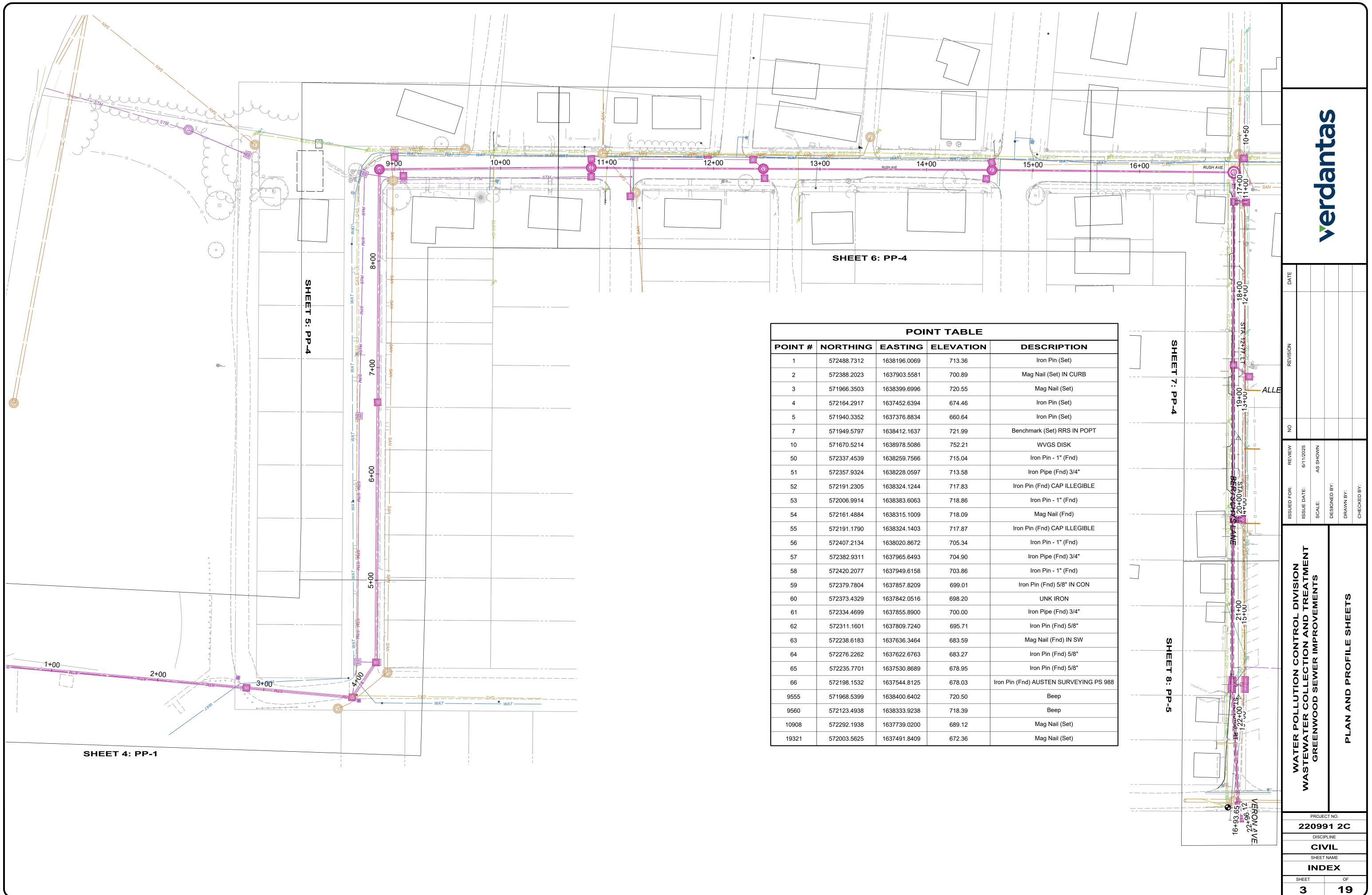
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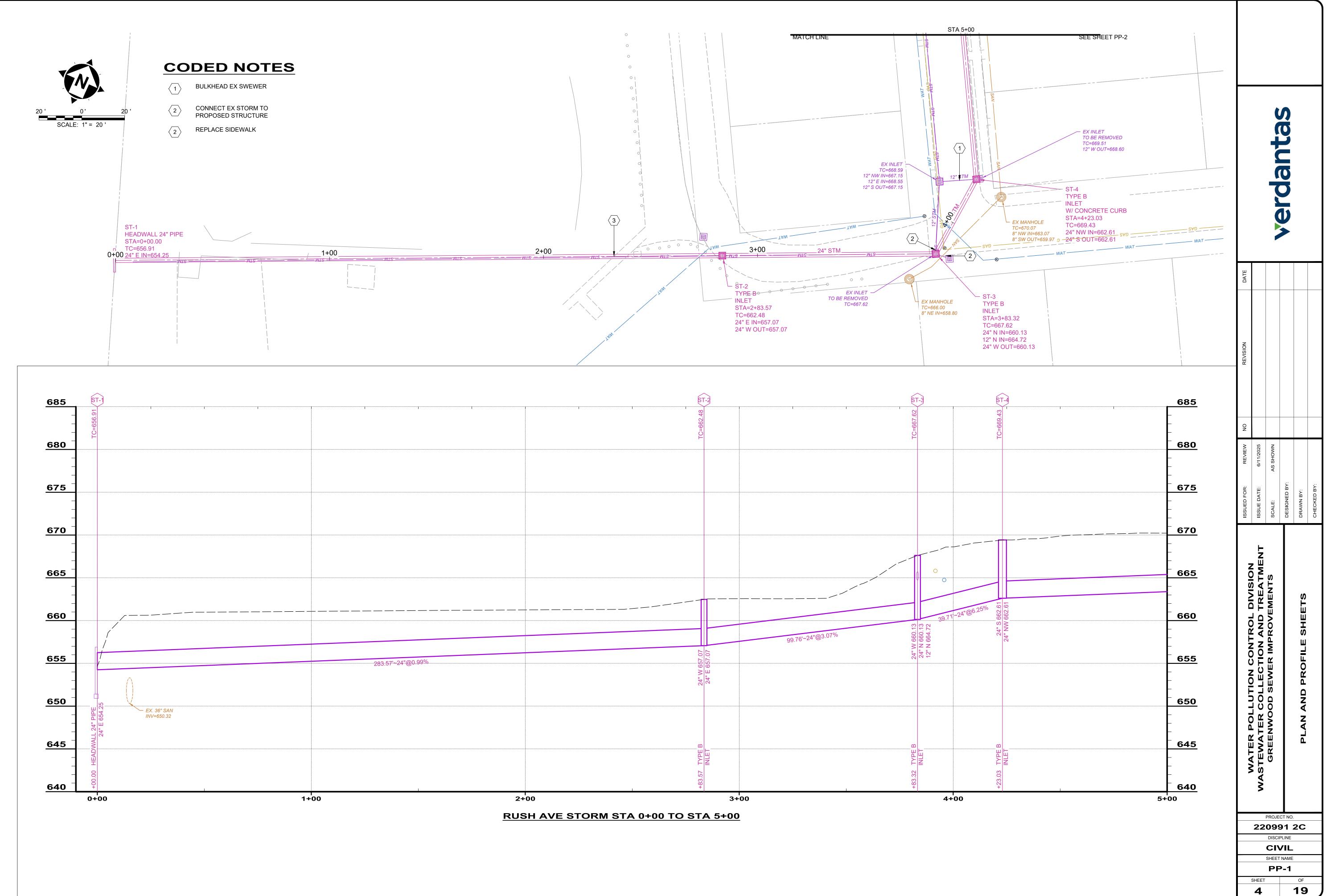
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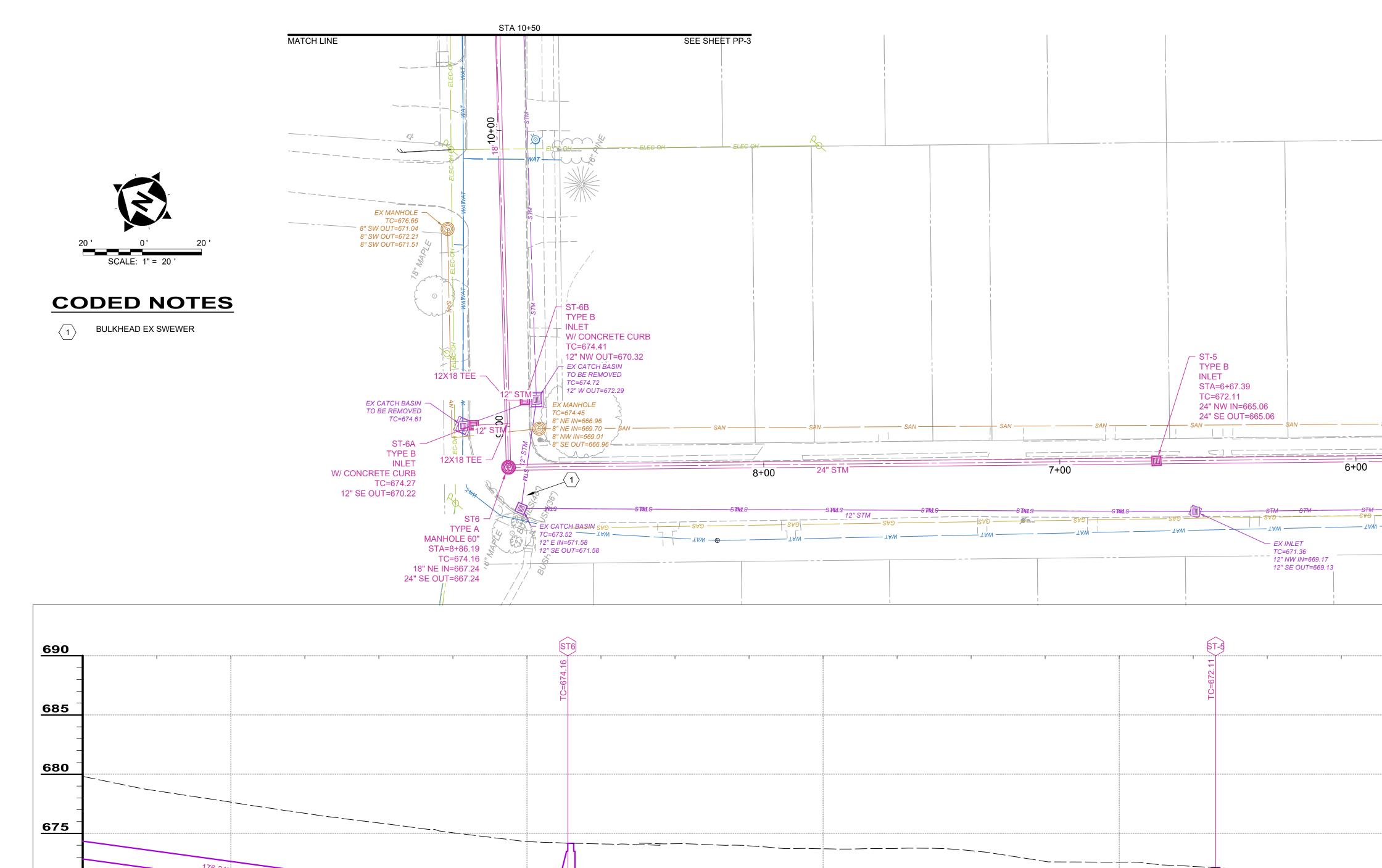


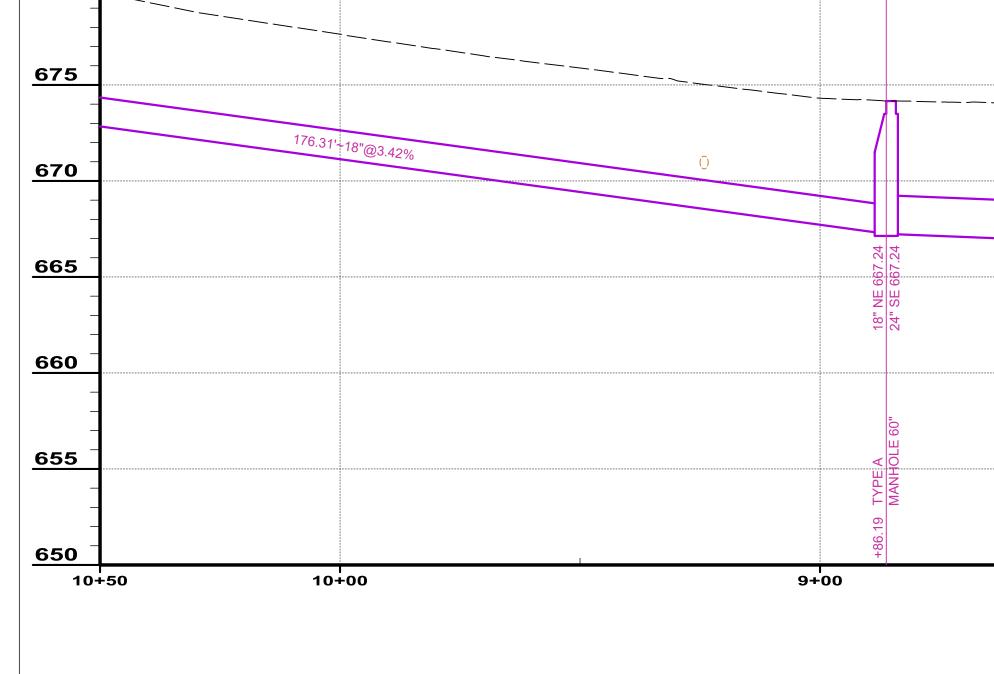
		POI	NT TABLE	
POINT #	NORTHING	EASTING	ELEVATION	
1	572488.7312	1638196.0069	713.36	
2	572388.2023	1637903.5581	700.89	
3	571966.3503	1638399.6996	720.55	
4	572164.2917	1637452.6394	674.46	
5	571940.3352	1637376.8834	660.64	
7	571949.5797	1638412.1637	721.99	
10	571670.5214	1638978.5086	752.21	
50	572337.4539	1638259.7566	715.04	
51	572357.9324	1638228.0597	713.58	
52	572191.2305	1638324.1244	717.83	
53	572006.9914	1638383.6063	718.86	
54	572161.4884	1638315.1009	718.09	
55	572191.1790	1638324.1403	717.87	
56	572407.2134	1638020.8672	705.34	
57	572382.9311	1637965.6493	704.90	
58	572420.2077	1637949.6158	703.86	
59	572379.7804	1637857.8209	699.01	
60	572373.4329	1637842.0516	698.20	
61	572334.4699	1637855.8900	700.00	
62	572311.1601	1637809.7240	695.71	
63	572238.6183	1637636.3464	683.59	
64	572276.2262	1637622.6763	683.27	
65	572235.7701	1637530.8689	678.95	
66	572198.1532	1637544.8125	678.03	Iron I
9555	571968.5399	1638400.6402	720.50	
9560	572123.4938	1638333.9238	718.39	
10908	572292.1938	1637739.0200	689.12	
19321	572003.5625	1637491.8409	672.36	

3

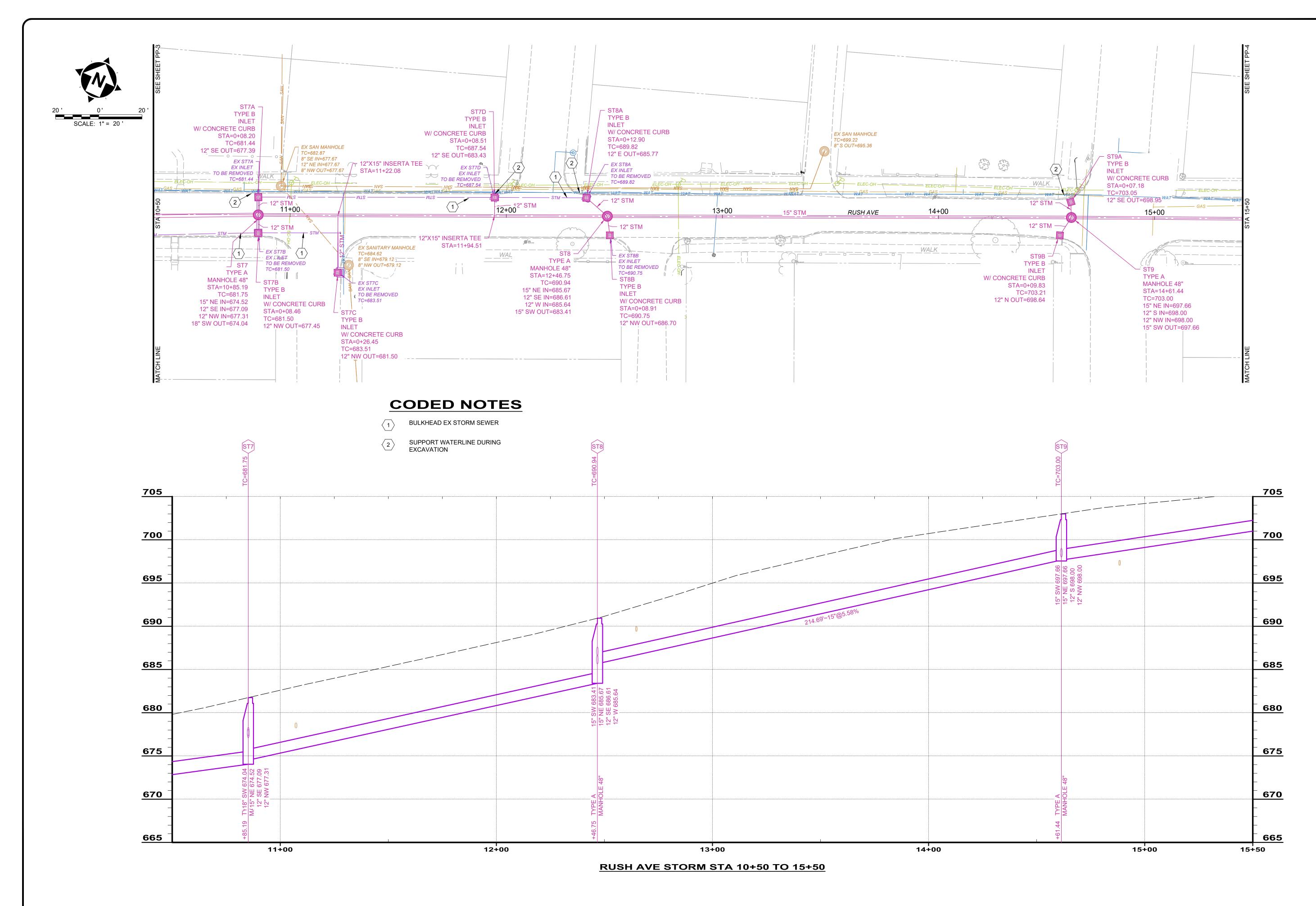




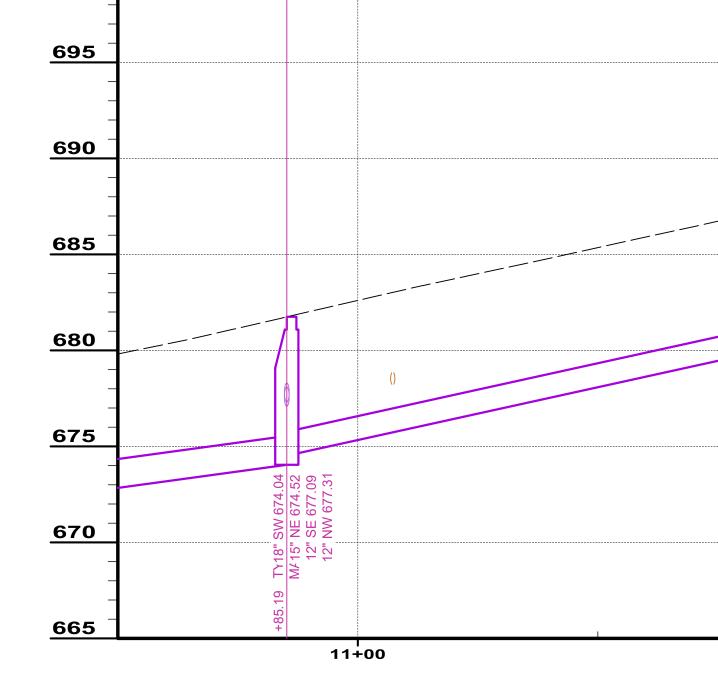




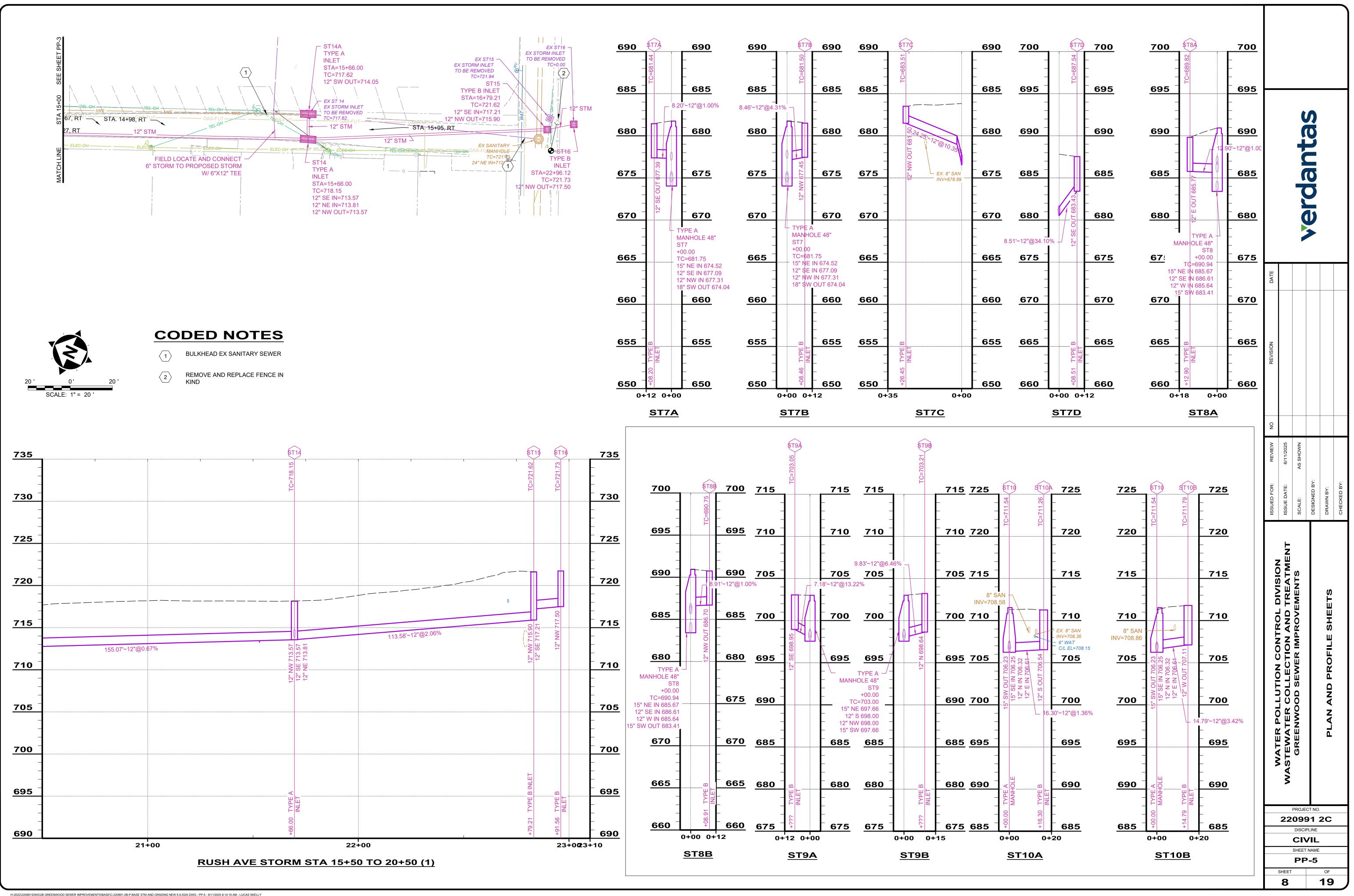
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TYPE B INLET STA=6+67.39	∀ □	
TC=672.11 24" NW IN=665.06 24" SE OUT=665.06		
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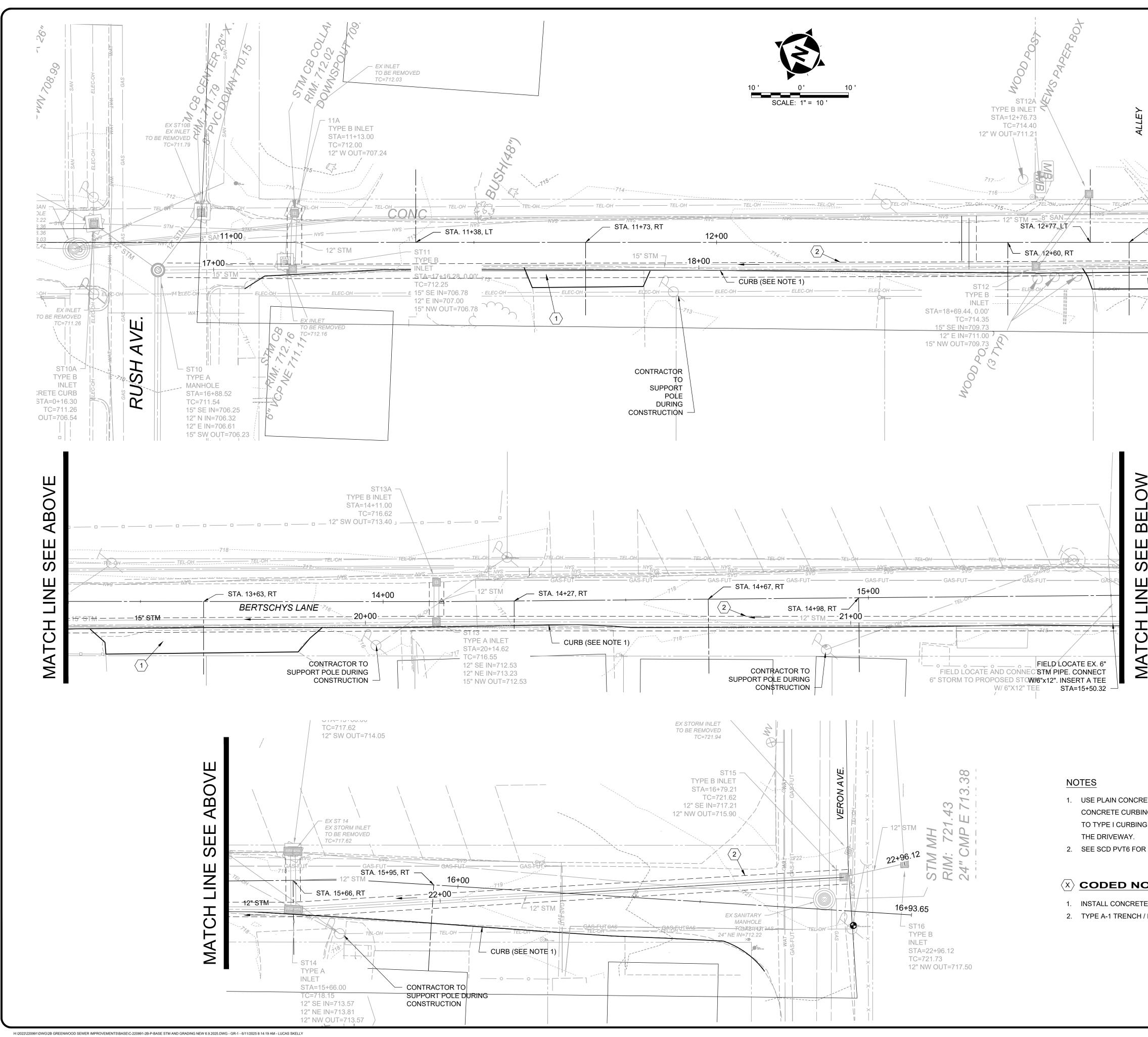
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REVIEW	6/11/2025	AS SHOWN					
ISSUED FOR:	ISSUE DATE:	SCALE:		DESIGNED BY:	DRAWN BY:	CHECKED BY:	
WATER POLLUTION CONTROL DIVISION Issue WASTEWATER COLLECTION AND TREATMENT Issue GREENWOOD SEWER IMPROVEMENTS scal				PLAN AND PROFILE SHEETS			
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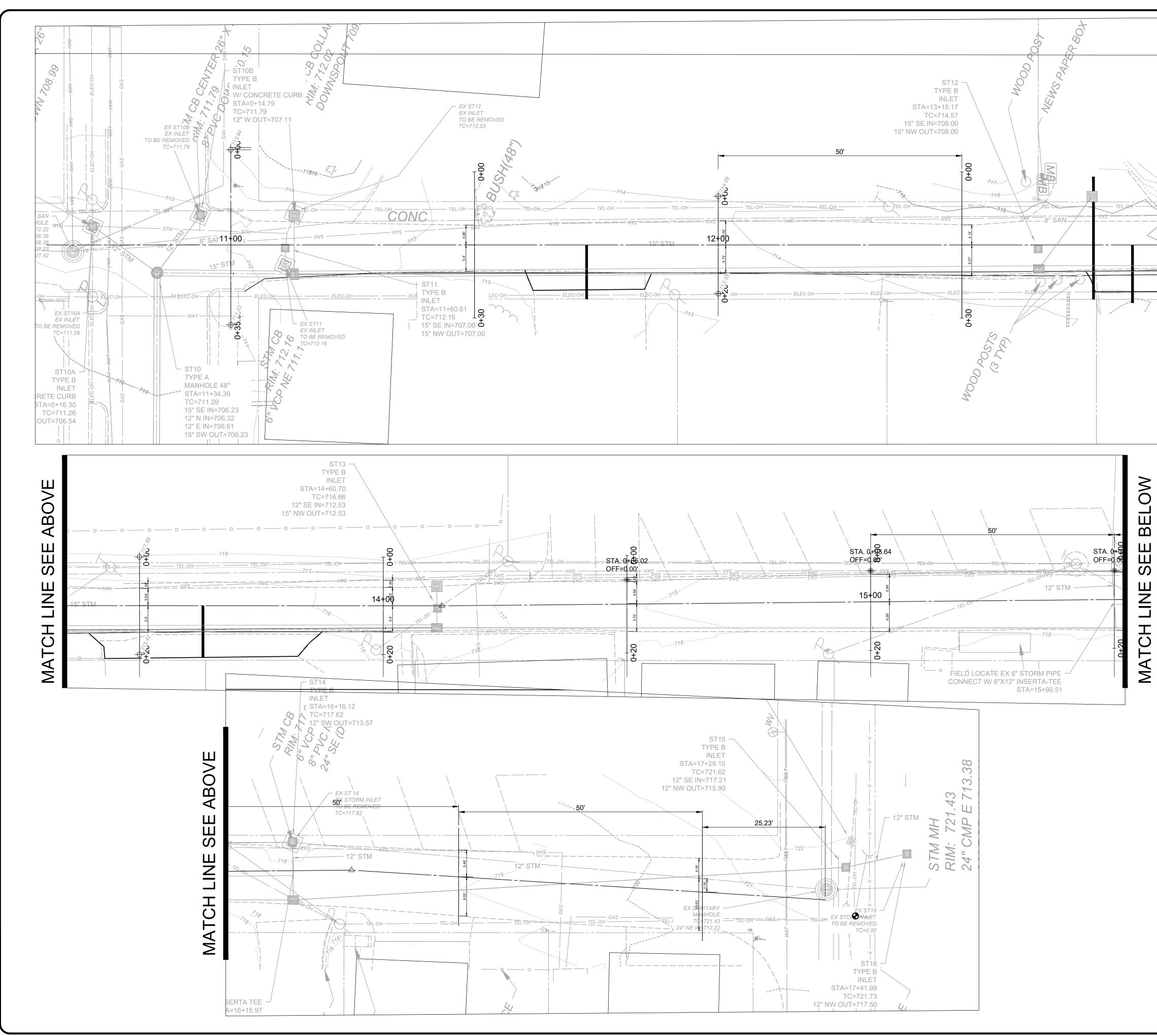
H:2022/220991/DWG/2B GREENWOOD SEWER IMPROVEMENTS/BASE/C-220991-2B-P-BASE STM AND GRADING NEW 6.9.2025.DWG - PP-4 - 6/11/2025 8:14:19 AM - LUCAS SKELLY



H120221220991\DWG12B GREENWOOD SEWER IMPROVEMENTS\BASE\C-220991-2B-P-BASE STM AND GRADING NEW 6.9.2025.DWG - PP-5 - 6/11/2025 8:14:19 AM - LUCAS SKELLY

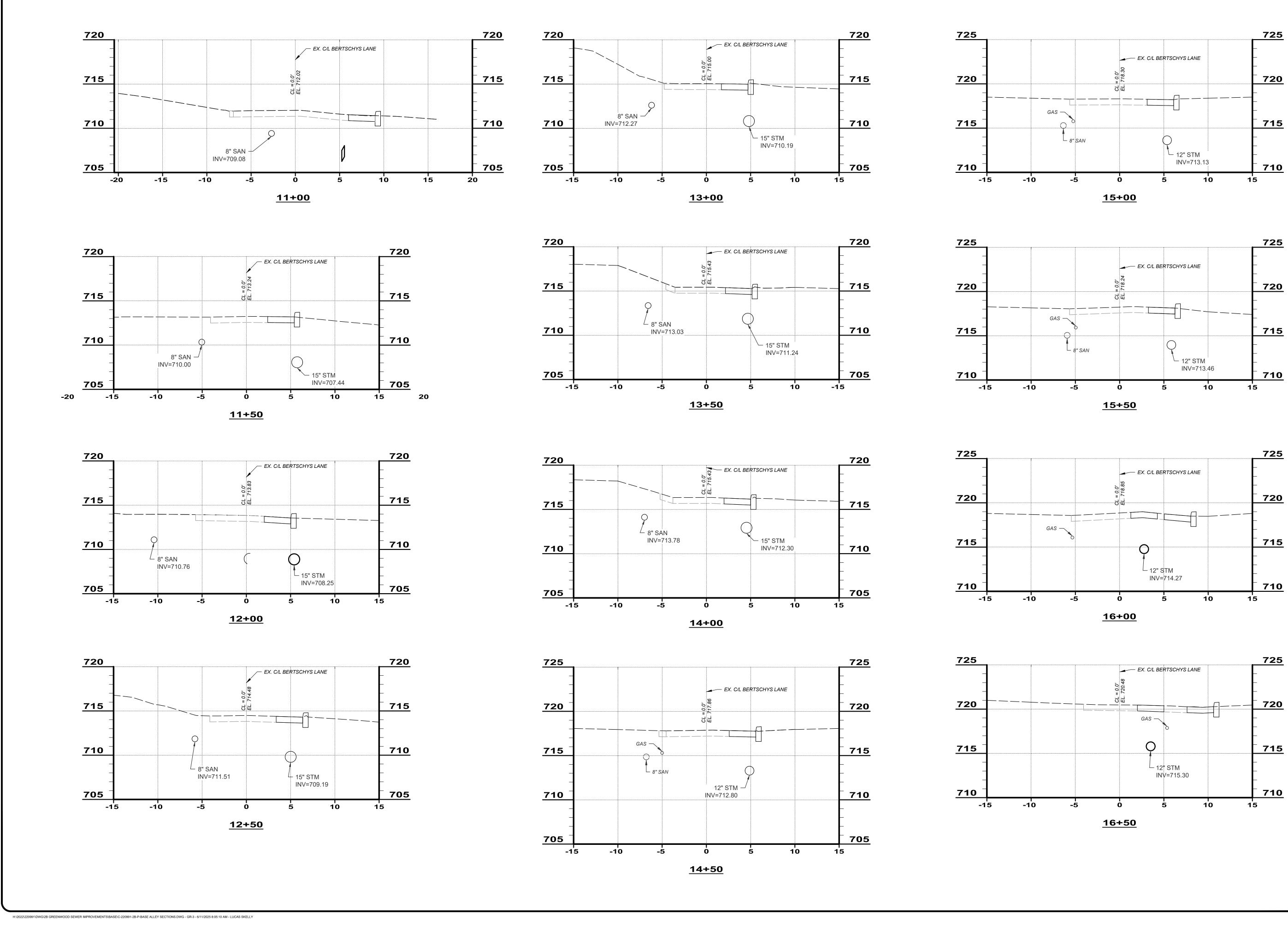


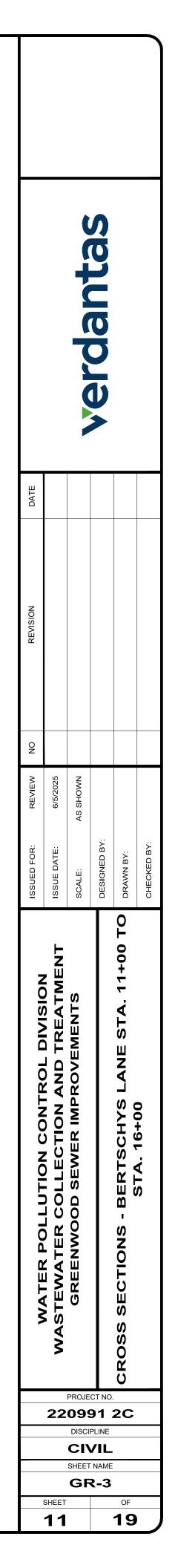
NOS FENCE						
ТЕ-ОН- 19+00- ELEC-OH-						
CONTRACTOR TO SUPPORT POLE DURING CONSTRUCTION	REVISION					
	ISSUED FOR: REVIEW NO	ISSUE DATE: 6/11/2025	SCALE: AS SHOWN	DESIGNED BY:	DRAWN BY:	CHECKED BY:
ETE CURBING, TYPE I, EXCEPT AT DRIVEWAYS, WHERE PLAIN IG, TYPE IV SHALL BE USED. TRANSISTION FROM TYPE III CURBING IS SHALL BE 10 FEET IN LENGTH AND SHALL BEGIN AT THE EDGE OF CURB DIMENSIONS.	WATER POLLUTION CONTROL DIVISION	TER COLLECTION AND	GREENWOOD SEWER IMPROVEMENTS		BERTSCHYS LANE OVERALL GRADING PLAN	
E DRIVE APRON (SEE DETAIL). PAVEMENT REPLACEMENT (WHEELING), 3 FEET WIDE (SEE DETAIL).		22			2C	
			GR	R-1	OF 19	

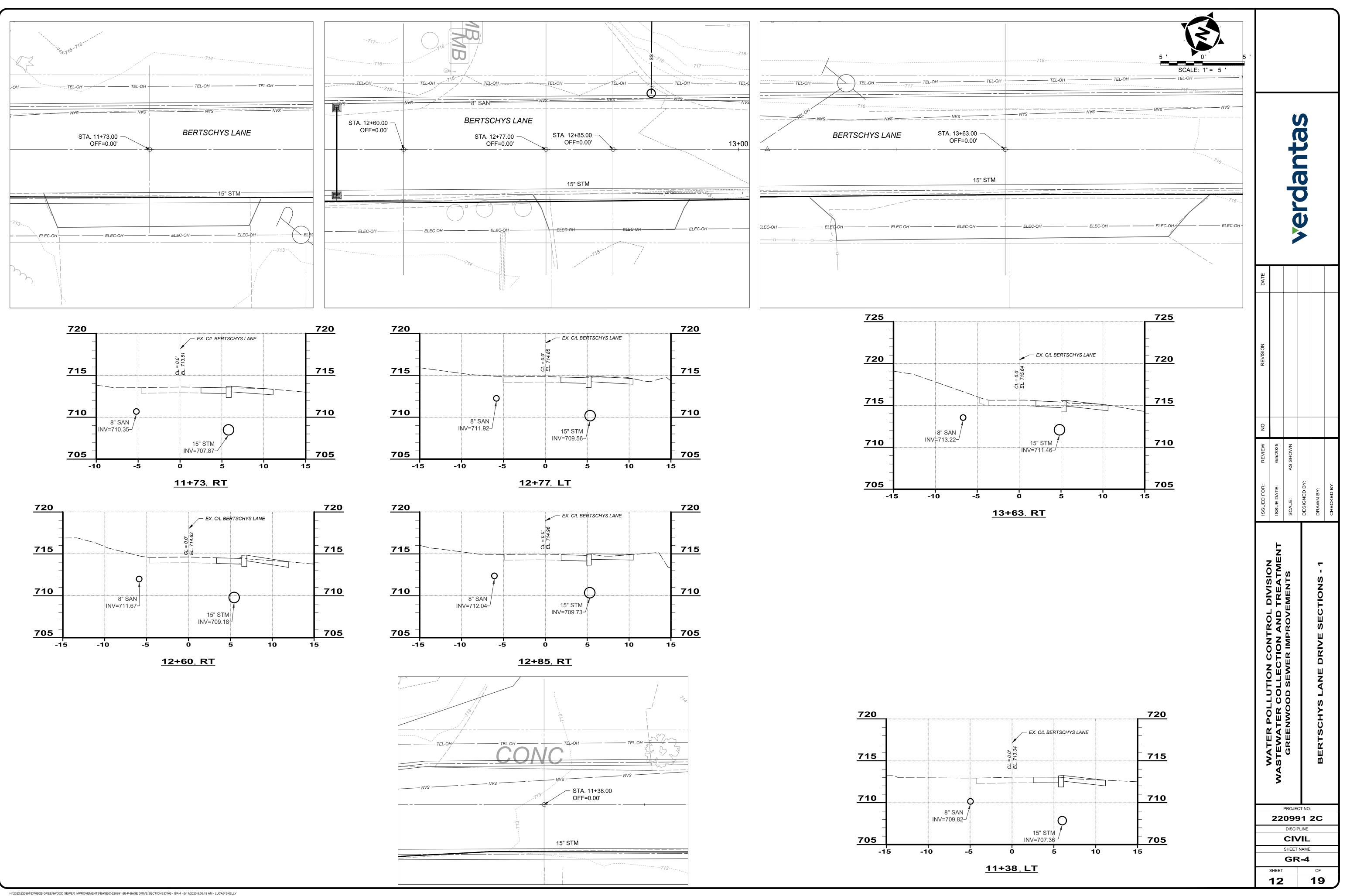


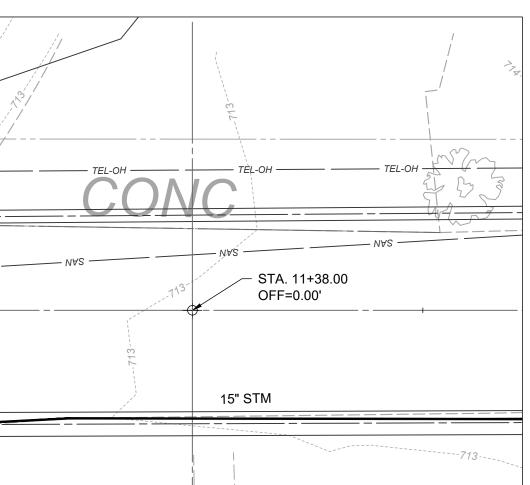
H:\2022\220991\DWG\2B GREENWOOD SEWER IMPROVEMENTS\BASE\C-220991-2B-P-BASE ALLEY SECTIONS.DWG - GR-2 - 6/11/2025 8:05:10 AM - LUCAS SKELLY

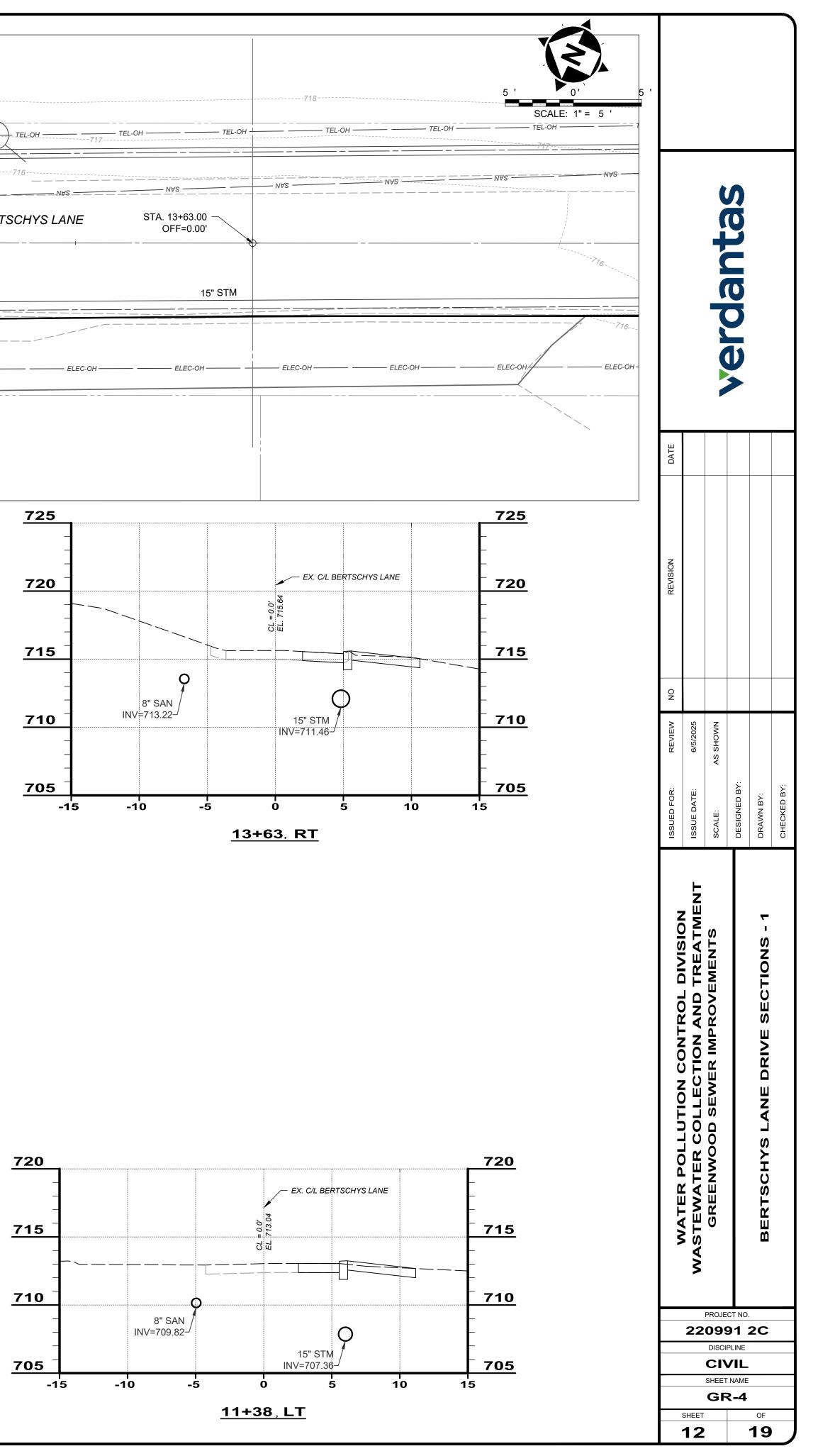
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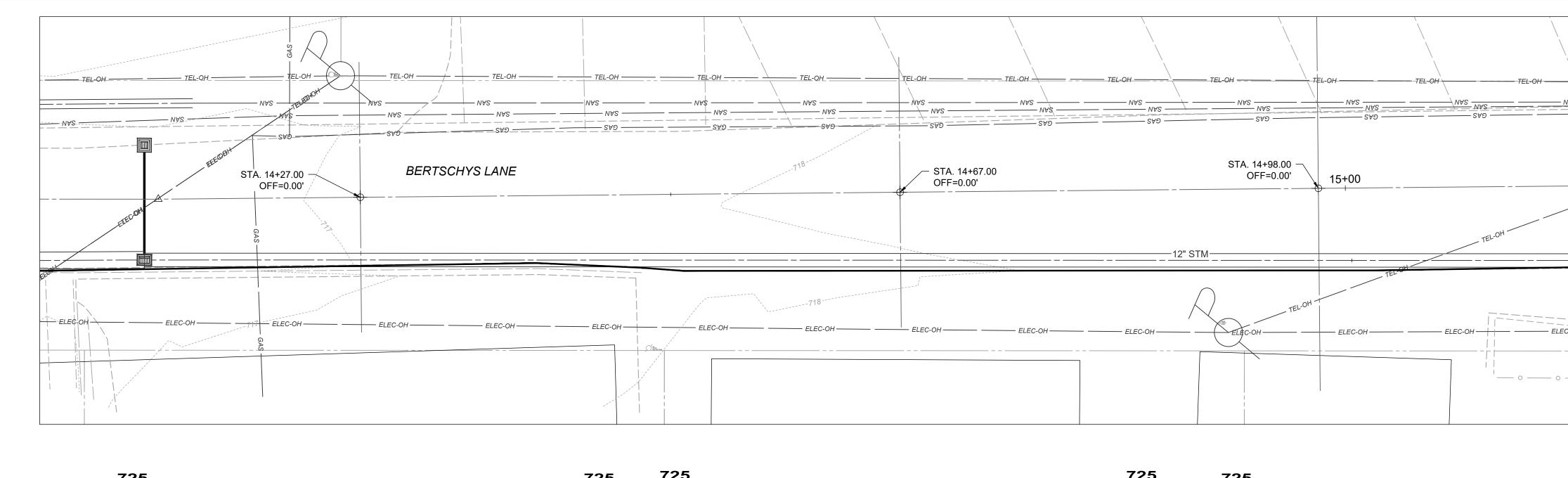


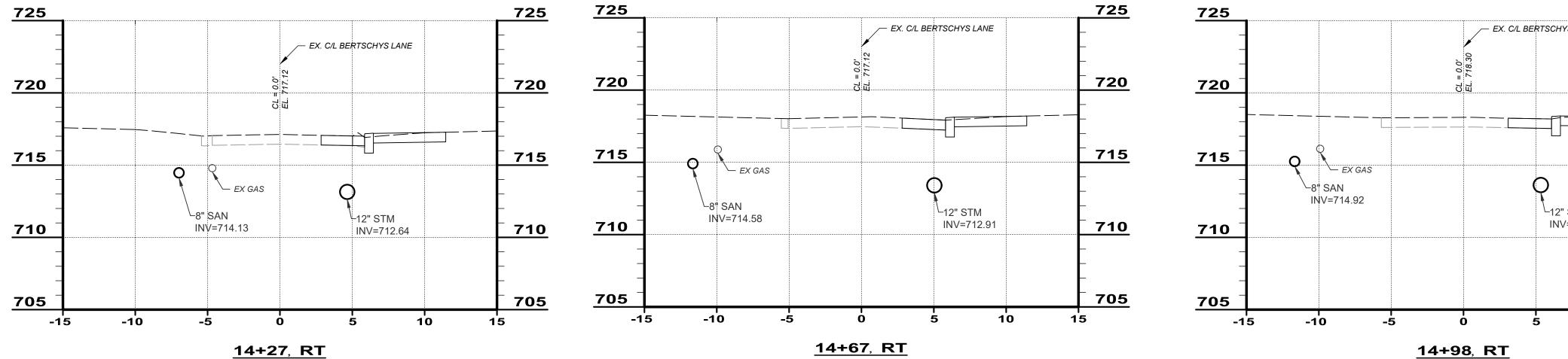


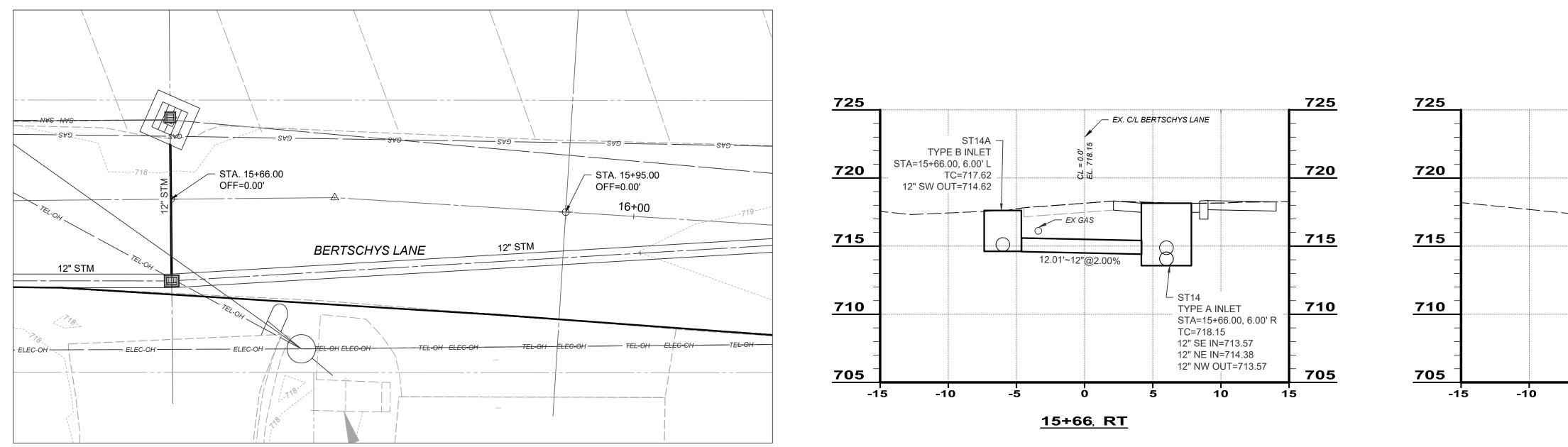






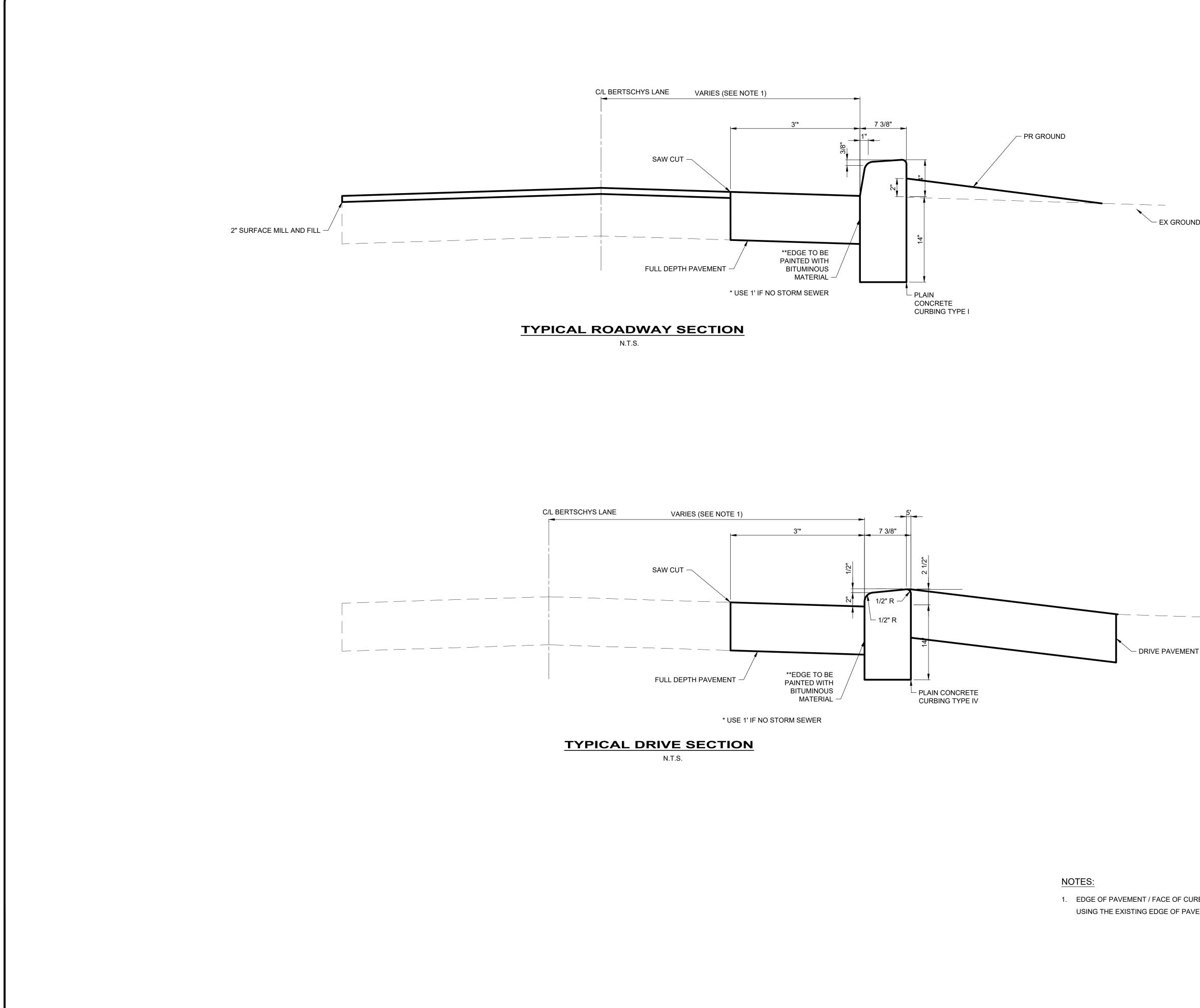




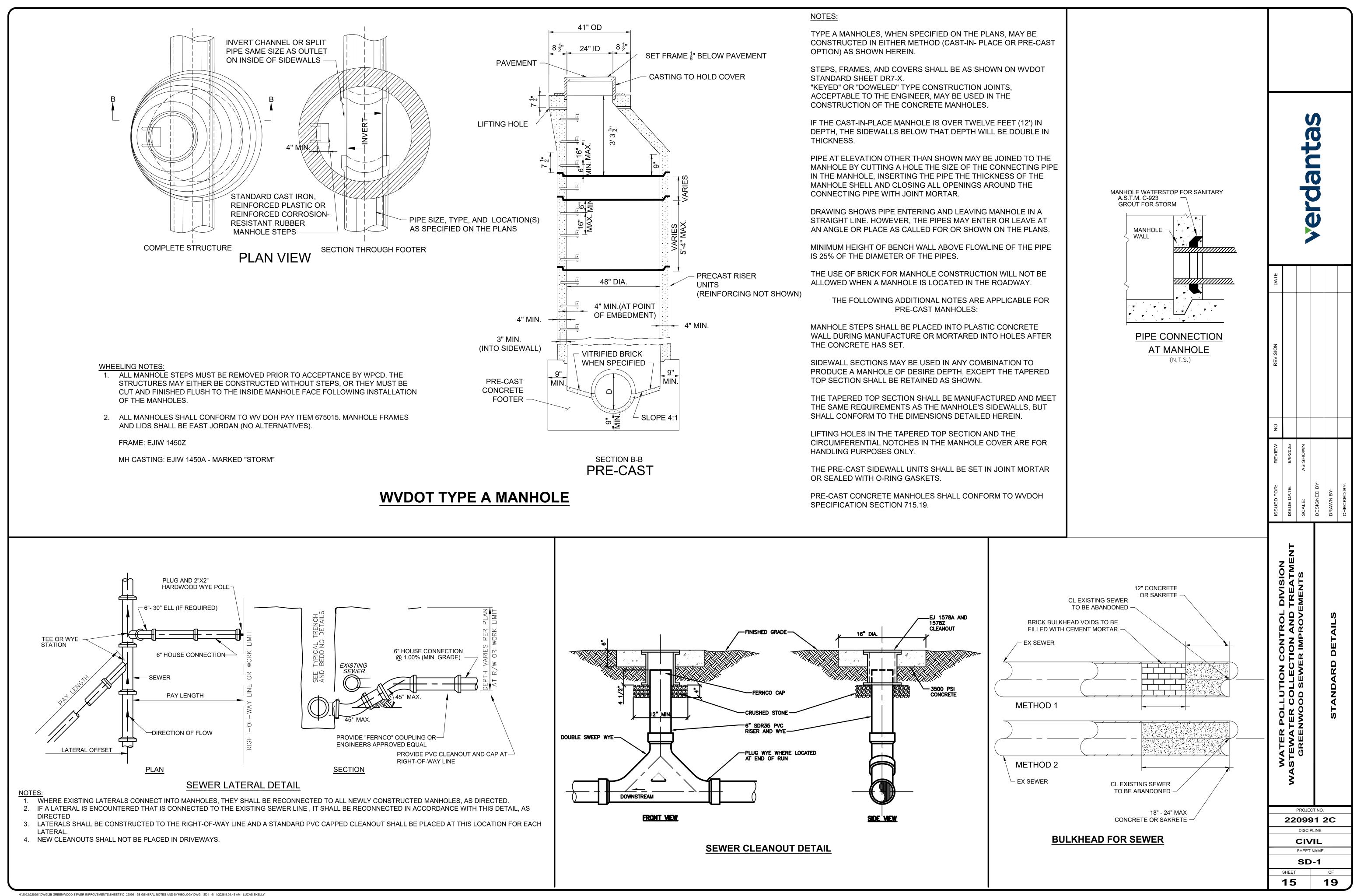


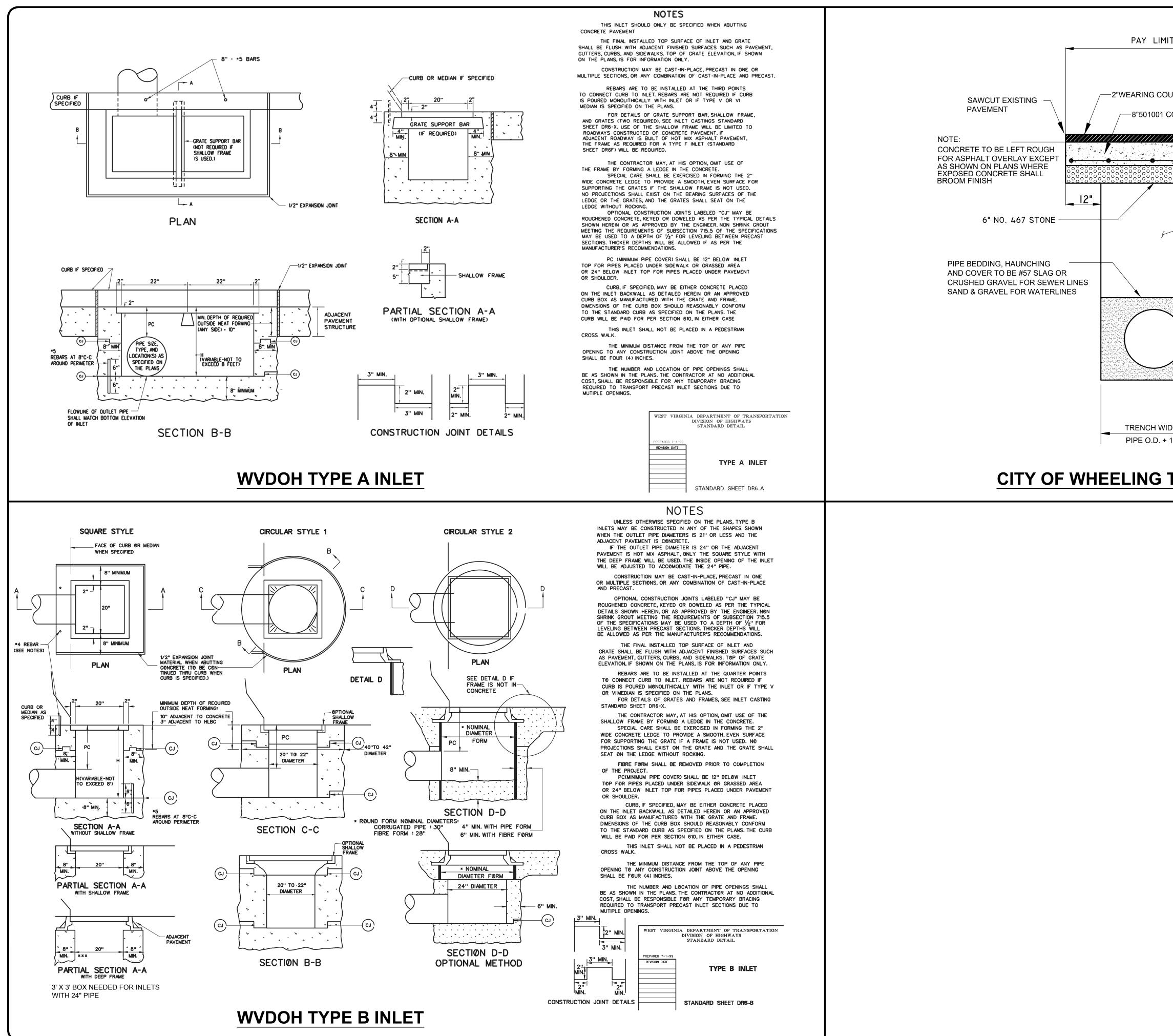
H:2022/220991/DWG/2B GREENWOOD SEWER IMPROVEMENTS\BASE\C-220991-2B-P-BASE DRIVE SECTIONS.DWG - GR-5 - 6/11/2025 8:05:19 AM - LUCAS SKELLY

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-5 0 5 10 15 <u>15+95, RT</u>		220 	PROJEC D99 DISCIPI CIV SHEET N GR	12 LINE	2C	
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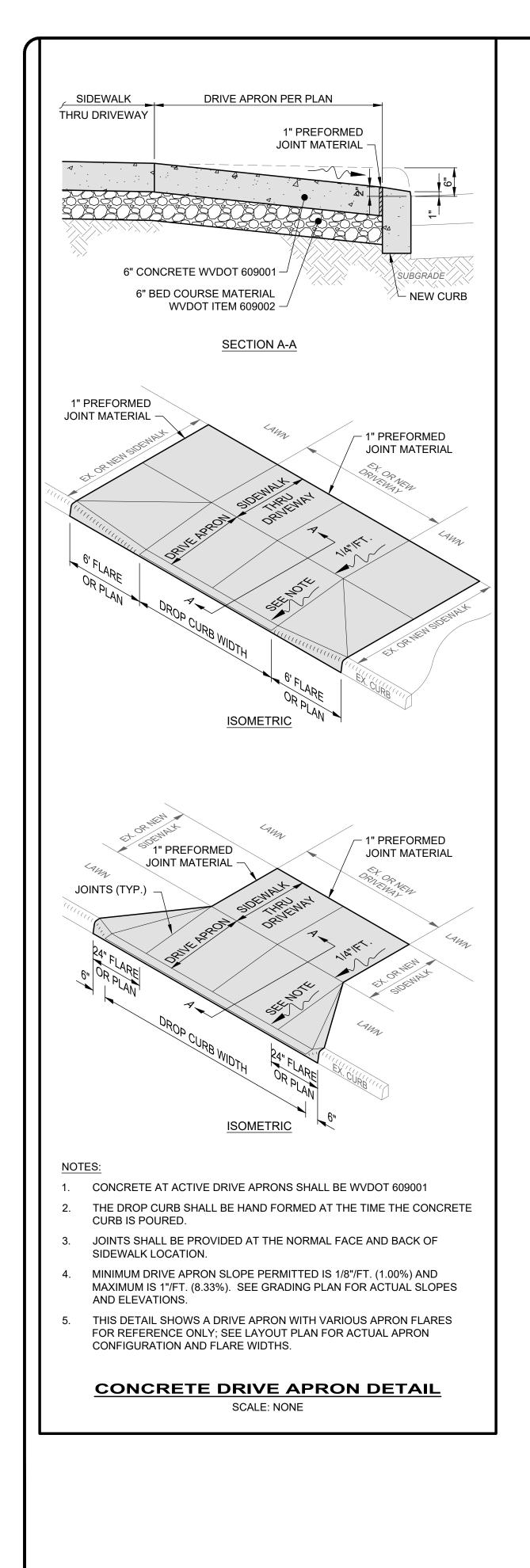
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INE TO BE ESTABLISHED BY	WATER POLITION CONTROL DIVISION	WASTEWATER COLLECTION AND TREATMENT	GREENWOOD SEWER IMPROVEMENTS		BERTSCHYS LANE TYPICAL SECTIONS		
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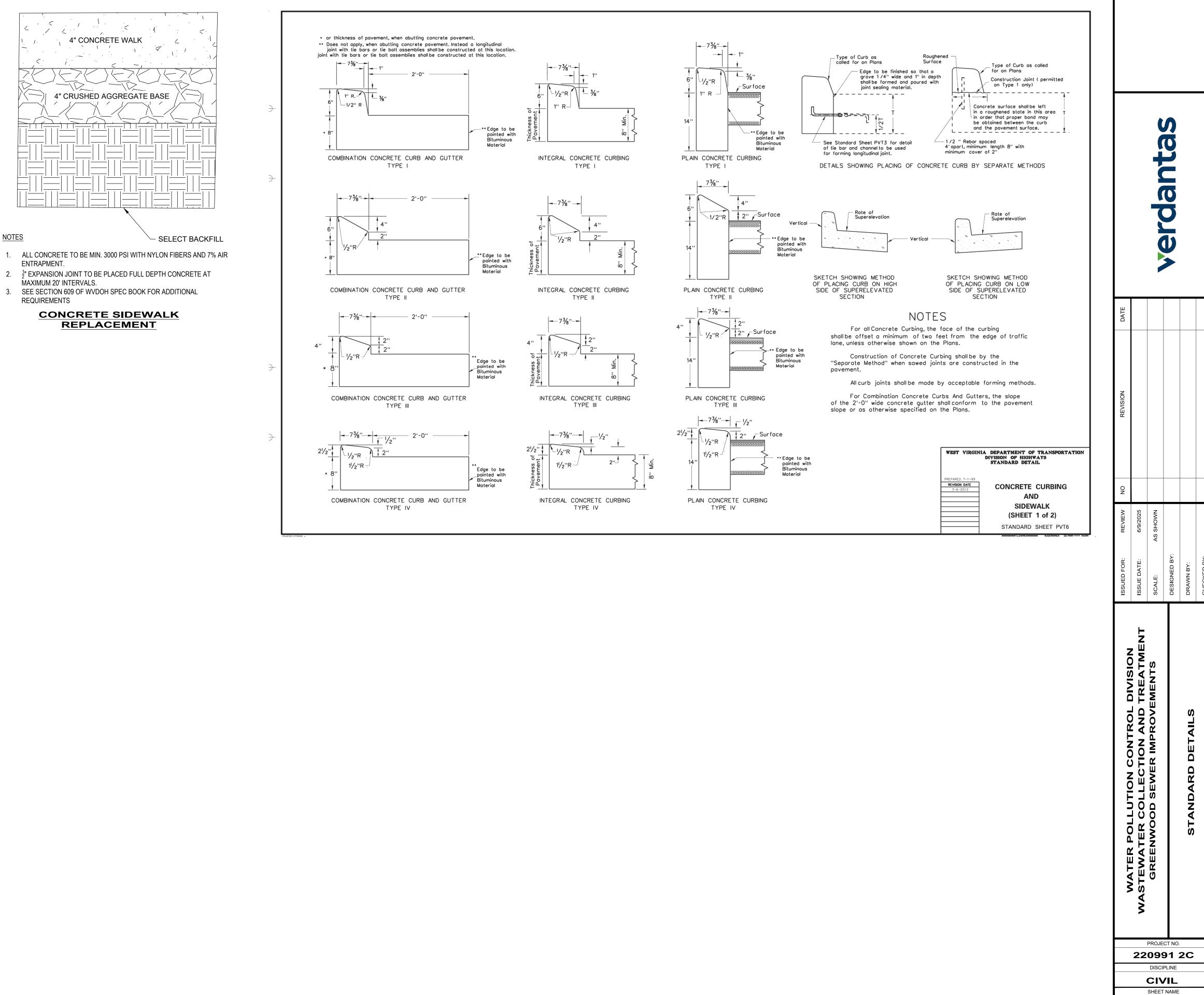


H:\2022\220991\DWG\2B GREENWOOD SEWER IMPROVEMENTS\SHEETS\C_220991-2B GENERAL NOTES AND SYMBOLOGY.DWG - SD2 - 6/11/2025 8:05:45 AM - LUCAS SKELL

IIT INSTALL FULL DEPTH EXPANSION JOINT ON 20' CENTERS						
CONCRETE PAVEMENT #3 Rebar @ 12" Both Ways or Wire Mesh 6x6 - W1.4xW1.4 12" CAUTION TAPE FOR TYPE A TRENCH FILL ENTIRE TRENCH DEPTH WITH #57 AGGREGATE IN 6" LIFTS						
4" COVER PIPE DIAMETER 4" PIPE BEDDING	DATE					
IDTH 18" TYPE A-1 TRENCH	NO					
	-or: review	АТЕ: 6/9/2025	AS SHOWN	ED BY:	3Y:	D BY:
		ON AND TREATMENT ISSUE DATE:		DESIGNED BY:		CHECKED BY:
	WATER POLLUTION CONTROL DIVISION	WASTEWATER COLLECTION AND TREATMENT	GREENWOOD SEWER IMPROVEMENTS		STANDARD DETAILS	
		22	PROJEC	91	2C	
	CIVIL SHEET NAME SD-2					
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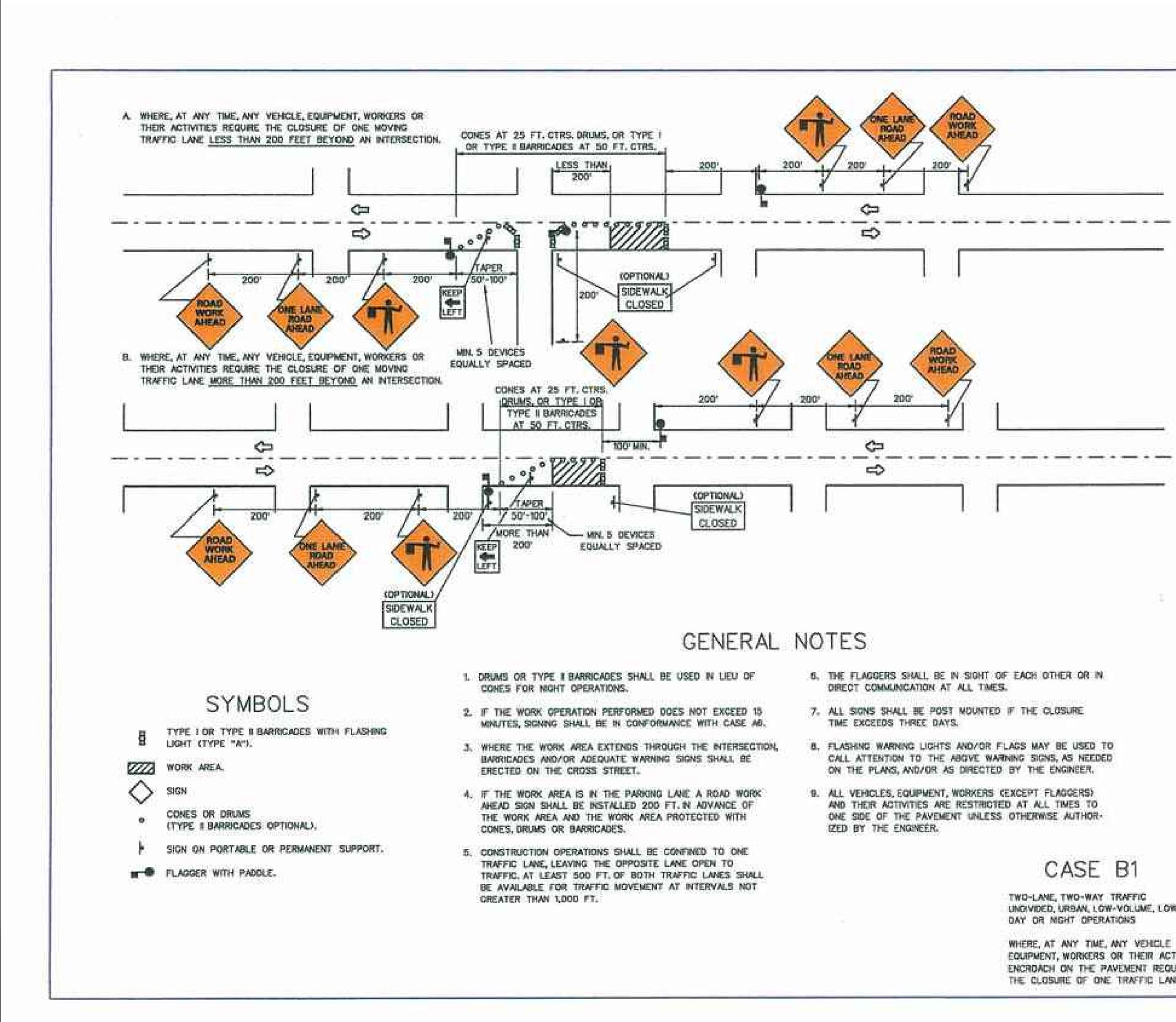


SD-3

OF 19

SHEET

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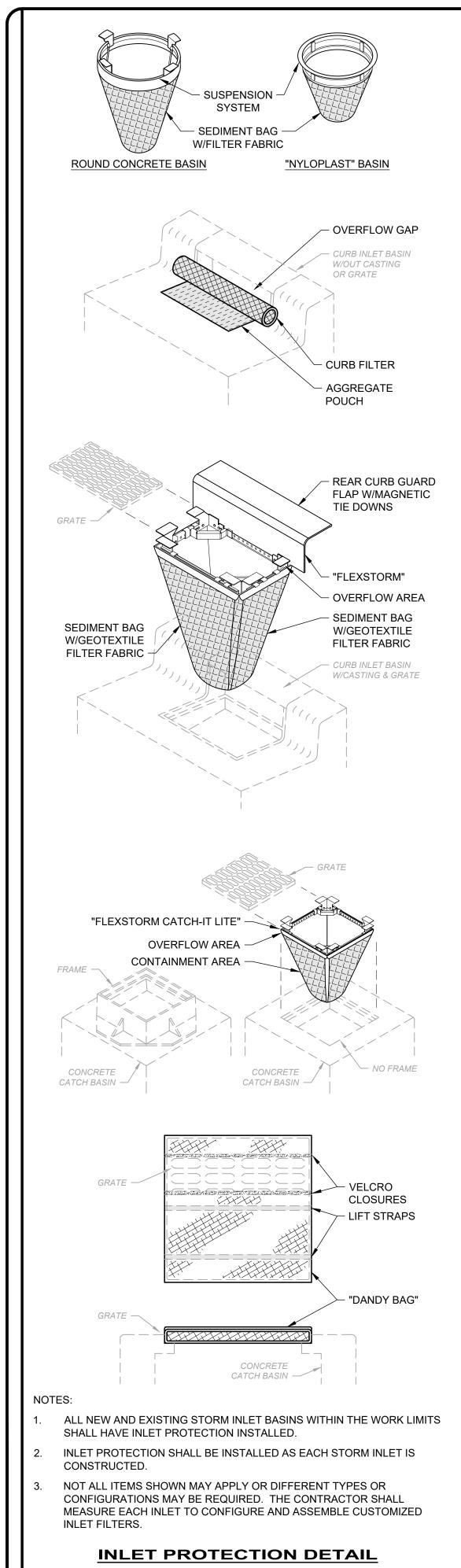


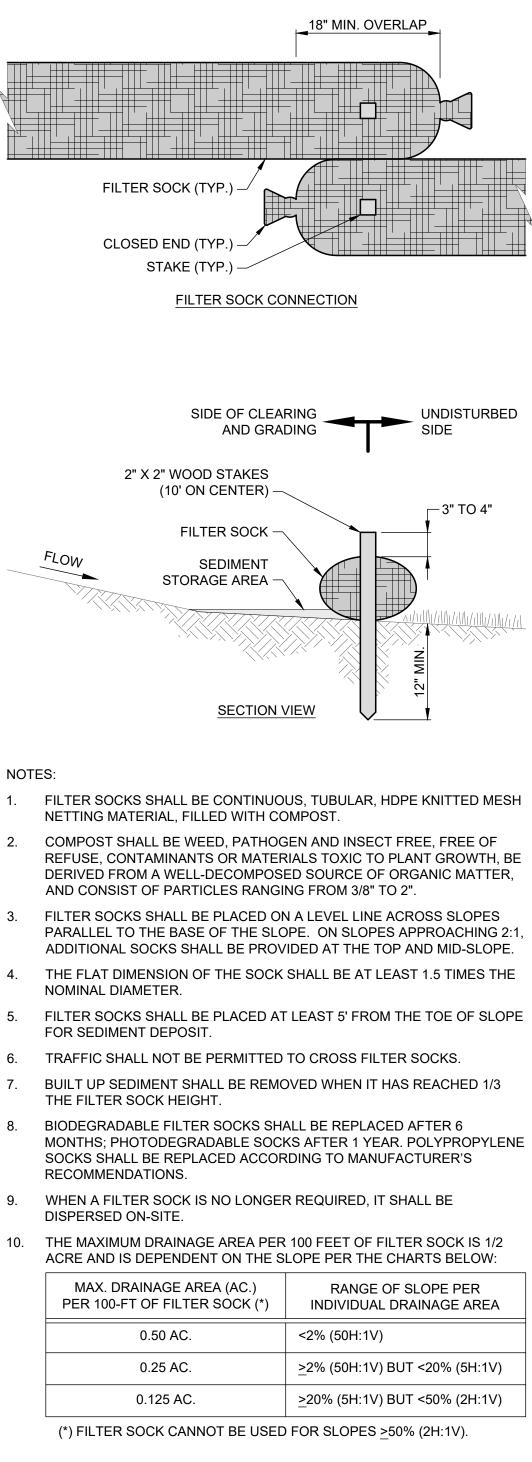
H:2022/220991\DWG/2B GREENWOOD SEWER IMPROVEMENTS\SHEETS\C 220991-2B GENERAL NOTES AND SYMBOLOGY.DWG - MOT - 6/11/2025 8:05:45 AM - LUCAS SKELLY

UND/VIDED, URBAN, LOW-VOLUME, LOW-SPEEL

EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH ON THE PAVEMENT REQUIRING THE CLOSURE OF ONE TRAFFIC LANE.

NOTES: 1. DURING DAYTIME OPERATION, CONTRACTOR SHALL MAINTAIN TWO-WAY TRAFFIC.						
 ROADWAYS SHALL ONLY BE CLOSED ONE LANE AT A TIME. PROVIDE A SIGNED PEDESTRIAN DETOUR, ROADWAY CLOSED AHEAD SIGNS, ANI PEDESTRIAN BARRICADES. 	DATE					
4. AT NO TIME SHALL THE ROADWAY BE CLOSED DURING DAYTIME OPERATION.	REVISION					
	ON N:	25	z			
	ED FOR: REVIEW	E DATE: 6/9/2025	E: AS SHOWN	DESIGNED BY:	DRAWN BY:	CHECKED BY:
	ISSUED	WATER POLLUTION CONTROL DIVISION WASTEWATER COLLECTION AND TREATMENT			MAINTENANCE OF TRAFFIC	CHEC
		22	PROJEC 2099 DISCIF CIN SHEET	91 2 PLINE /IL	2C	
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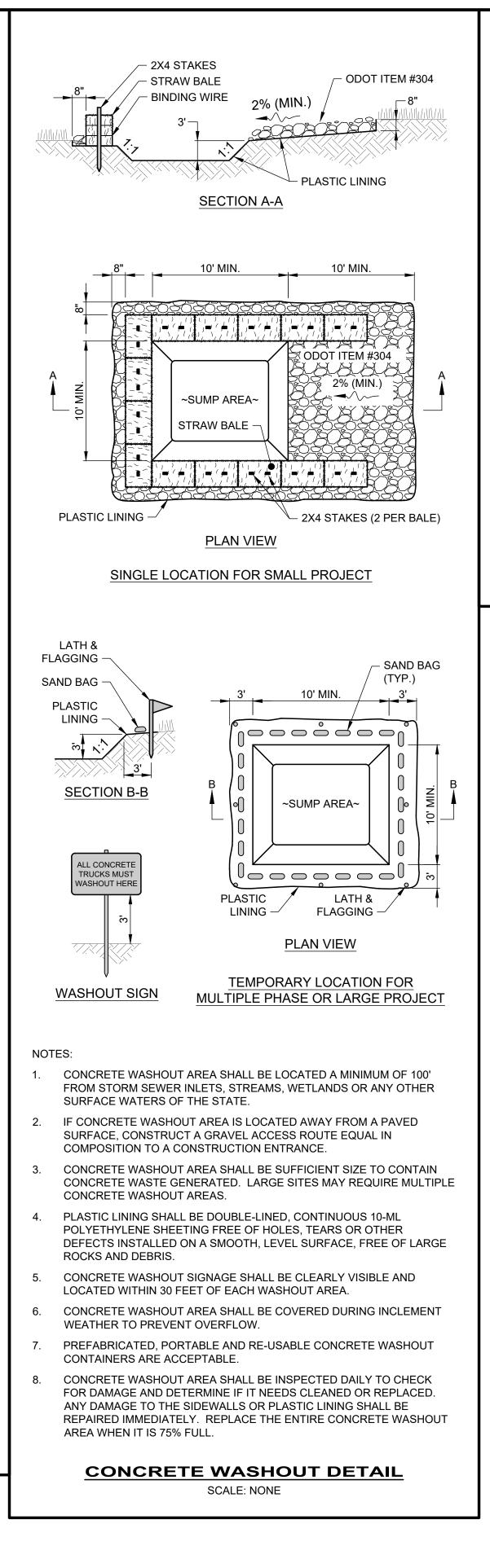
MAX. SLOPE LENGTH ABOVE FILTER SOCK							
SLOPE (%)	RATIO (H:V)	12"	18"				
0% TO <2%	0 TO <50:1	250'	300'				
<u>></u> 2% TO <10%	<u>></u> 50:1 TO <10:1	125'	200'				
<u>≥</u> 10% TO <20%	<u>></u> 10:1 TO <5:1	100'	150'				
<u>≥</u> 20% TO <50%	<u>></u> 5:1 TO <u>></u> 2:1	50'	75'				

FILTER SOCK DETAIL SCALE: NONE

SCALE: NONE

H:2022/220991\DWG\2B GREENWOOD SEWER IMPROVEMENTS\SHEETS\C 220991-2B GENERAL NOTES AND SYMBOLOGY.DWG - SWPPP DETAILS - 6/11/2025 8:05:45 AM - LUCAS SKELLY

24" 350' 25' 200' 100'



THE SEED BED SHALL BE PULVERIZED AND LOOSE TO ENSURE THE SUCCESS OF ESTABLISHING VEGETATION.

SOIL AMENDMENTS MAY BE REQUIRED TO ESTABLISH VEGETATION. PERFORM SOIL TESTS TO PREDICT THE NEED FOR LIME OR FERTILIZER. IN LIEU OF A SOIL TEST, APPLY LIME AT 2 TONS/AC. OR FERTILIZER AT 500 LB/AC. OF 10-10-10 OR 12-12-12 ANALYSIS

- APPLY SEED UNIFORMLY. COVER BROADCASTED SEED BY RAKING OR DRAGGING, AND LIGHTLY TAMPING INTO PLACE.
- MULCH SHALL BE APPLIED IMMEDIATELY AFTER SEEDING.

5.

INSPECT FOR SOIL EROSION OR VEGETATION LOSS AND REPAIR BARE OR SPARSE AREAS, FILL GULLIES, RE-FERTILIZE, RE-SEED AND RE-MULCH AS NEEDED.

TE	MPORARY SEEDING SPEC	IES SELECTION	
DATES	SPECIES	LB/1,000 SF	LB/AC
MARCH 1 - AUGUST 15	OATS TALL FESCUE PERENNIAL RYEGRASS	3 1 1	128 40 40
	PERENNIAL RYEGRASS TALL FESCUE	2 1	40 40
AUGUST 16 - OCTOBER 31	RYE TALL FESCUE PERENNIAL RYEGRASS	3 1 1	112 40 40
	WHEAT TALL FESCUE PERENNIAL RYEGRASS	3 1 1	120 40 40
	PERENNIAL RYEGRASS TALL FESCUE	2 1	40 40
NOVEMBER 1 - FEBRUARY 28	ONLY MULCH OR DORMA	NT SEEDING.	

TEMPORARY SEEDING NOTES

- AC.

- SUBSOILING SHALL OCCUR WHEN SOIL MOISTURE IS LOW ENOUGH TO ALLOW THE SOIL TO CRACK OR FRACTURE. SUBSOILING IS NOT PERMITTED ON SLIP-PRONE AREAS.
- 2. THE SEED BED SHALL BE PREPARED BY APPLYING AGRICULTURAL GROUND LIMESTONE OR FERTILIZER AS RECOMMENDED BY A SOIL TEST. IN LIEU OF A SOIL TEST, APPLY LIME AT 2 TONS/AC. OR FERTILIZER AT 500 LB/AC. OF 10-10-10 OR 12-12-12 ANALYSIS. LIME AND FERTILIZER SHALL BE WORKED INTO THE SOIL TO A DEPTH OF 3".
- APPLY SEED UNIFORMLY ON FIRM, MOIST SEED BED BETWEEN MARCH 1 AND MAY 31 OR AUGUST 1 AND SEPTEMBER 30. TILLAGE FOR SEEDBED PREPARATION SHALL OCCUR WHEN THE SOIL IS DRY ENOUGH TO CRUMBLE AND NOT FORM RIBBONS WHEN COMPRESSED BY HAND. SEEDING SHOULD NOT BE APPLIED BETWEEN OCTOBER 1 AND NOVEMBER 20 BECAUSE SEEDS MAY GERMINATE, BUT WILL NOT SURVIVE THE WINTER. IF SEEDING MUST OCCUR, INCREASE THE SEEDING RATE BY 50% AND ANCHOR. APPLY ADDITIONAL MULCH AND IRRIGATION AS REQUIRED TO ENSURE GERMINATION.
- MULCH SHALL BE APPLIED IMMEDIATELY AFTER SEEDING. 4.
- SEEDING SHALL INCLUDE IRRIGATION TO ESTABLISH VEGETATION 5. DURING DRY OR HOT WEATHER OR ON ADVERSE SITE CONDITIONS.
- SEEDING SHALL NOT BE CONSIDERED ESTABLISHED FOR AT LEAST 1 FULL YEAR FROM THE TIME OF SEEDING. DURING THIS PERIOD INSPECT FOR SOIL EROSION OR VEGETATION LOSS AND REPAIR BARE OR SPARSE AREAS, FILL GULLIES, RE-FERTILIZE, RE-SEED AND **RE-MULCH AS NEEDED.**
- ADEQUATE PERMANENT VEGETATION SHALL BE GROUND COVER DENSE ENOUGH TO COVER 80% OF THE SOIL SURFACE BASED ON VISUAL INSPECTION.

PERMANENT SEEDING FERTILIZATION AND MOWING CHART									
MIXTURE	FORMULA	LB/ AC.	TIME	MOW					
CREEPING RED FESCUE DOMESTIC RYEGRASS KENTUCKY BLUEGRASS	10-10-10	500	FALL, YEARLY, OR AS NEEDED	<u>></u> 3"					
TALL FESCUE	10-10-10	500							
TURF-TYPE FESCUE	10-10-10	500		<u>></u> 4"					
CROWN VETCH FESCUE	0-20-20	400	SPRING, AND	DO NOT					
FLAT PEA FESCUE	0-20-20	400	YEARLY AFTER ESTABLISHED	MOW					

PERMANENT SEEDING SPECIES SELECTION							
SEED MIX	SEED RATE LB/AC.	NOTES:					
GENERAL USE							
CREEPING RED FESCUE DOMESTIC RYEGRASS KENTUCKY BLUEGRASS	20 - 40 10 - 20 20 - 40	FOR CLOSE MOWING AND WATERWAYS WITH <2.0 FT./SEC. VELOCITY					
TALL FESCUE	40 - 50						
TURF-TYPE FESCUE	90						
STEEP I	BANKS OR CUT	SLOPES					
TALL FESCUE	40 - 50						
CROWN VETCH TALL FESCUE	10 - 20 20 - 30	DO NOT SEED LATER THAN AUGUST					
FLAT PEA TALL FESCUE	20 - 25 20 - 30	DO NOT SEED LATER THAN AUGUST					
ROAD	DITCHES AND S	WALES					
TALL FESCUE	40 - 50						
TURF-TYPE FESCUE KENTUCKY BLUEGRASS	90 5						
LAWN							
KENTUCKY BLUEGRASS PERENNIAL RYEGRASS	100 - 120 100 - 120						
KENTUCKY BLUEGRASS CREEPING RED FESCUE	100 - 120 100 - 120	FOR SHADED AREAS					

PERMANENT SEEDING NOTES

verdantas							
NO REVISION DATE							
REVIEW	6/9/2025	AS SHOWN					
ISSUED FOR:	ISSUE DATE:	SCALE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:		
WATER POLLUTION CONTROL DIVISION Mater Pollution WASTEWATER COLLECTION AND TREATMENT Image: Collection and treatment GREENWOOD SEWER IMPROVEMENTS Image: Collection and treatment SWPPP DETAILS AND NOTES Image: Collection and treatment							
PROJECT NO. 220991 2C DISCIPLINE CIVIL							
S	SWI SHEET 19	SHEET)ET ₀₅ 19	r		