# CIVIL CONSTRUCTION DRAWINGS

# FOR

# VILLAGE DRIVE TOWNHOMES

STEAMBOAT SPRINGS, CO

# CONTACT INFORMATION





PROJECT TEAM:





	CITY PUBLIC WORK CITY OF STEAMBOA MT. WERNER WATE YAMPA VALLEY ELE ATMOS ENERGY CENTURY LINK
ARCHITECT	COMCAST
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345 LINCOLN AVENUE, SUITE 200	RESPONSIBILITY FOR THE A
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(970) 879-0819	PLEASE CONTACT THE UTIL
ATTN: SHARLENE BHYUN	
ATTIV. CHARLENE DITTOR	

CIVIL ENGINEER

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LANDMARK CONSULTANTS, INC. 141 9TH STREET STEAMBOAT SPRINGS, CO 80487

ATTN: RYAN SPAUSTAT, P.E.

BASE MAPPING SURVEYOR

LANDMARK CONSULTANTS, INC. 141 9TH STREET STEAMBOAT SPRINGS, CO 80487

ATTN: JEFF GUSTAFSON, P.L.S.

# SHEET INDEX

C.001 - COVER SHEET C.002 - NOTES

C.003 - EXISTING CONDITIONS PLAN C.004 - EXISTING CONDITIONS PLAN (W/ AERIAL IMAGERY)

C.100 - SITE PLAN

C.101 - SITE PLAN (W/ AERIAL IMAGERY)

C.102 - EASEMENT EXHIBIT C.200 - UTILITY PLAN

C.210 - WATER PLAN & PROFILE

C.220 - SANITARY SEWER PLAN & PROFILE C.300 - GRADING PLAN

C.301 - DETAILED GRADING PLAN C.302 - DETAILED GRADING PLAN

C.310 - STORM SEWER PLAN & PROFILE

C.500 - DETAILS

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DESCRIPTION:	Water and Sewer Configurations	Permit Corrections			
BY.	RS	RS			
DATE:	8/16/22	9/7/2022			

OF SHEETS

SHEET C.001

SHEET Of Sheets

These drawings are instruments of service provided by Landmark Consultants, Inc. and are not to be used for any type of construction or contracting unless signed and sealed by a Professional Engineer in the employ of Landmark Consultants, Inc.

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(800) 922.1987 AS A COURTESY REFERENCE ONLY. LANDMARK CONSULTANTS, INC. ASSUMES NO HE ACCURACY OR COMPLETENESS OF THIS LIST. IN NO WAY SHALL THIS LIST RELINQUISH THE INSIBILITY FOR LOCATING ALL UTILITIES PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY. UTILITY NOTIFICATION CENTER OF COLORADO (UNCC) AT 811 FOR ADDITIONAL INFORMATION

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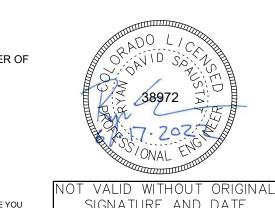
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UTILITY CONTACT LIST:

UTILITY COMPANY

CALL UTILITY NOTIFICATION CENTER OF COLORADO Know what's below.
Call before you dig. CALL 2 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.



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### **GENERAL NOTES**

- 1. TOPOGRAPHIC AND EXISTING CONDITIONS PER LANDMARK CONSULTANTS, INC. ARCHIVED SURVEY FIELD DATA. LANDMARK IS NOT RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF THE EXISTING CONDITIONS AND/OR PROPERTY INFORMATION (INCLUDING EASEMENTS AND ENCUMBRANCES) AND THE OWNER ASSUMES ALL RISK WITH COMPLYING WITH THE LEGAL REQUIREMENTS OF THIS
- 2. CITY OF STEAMBOAT SPRINGS PLAN REVIEW AND APPROVAL IS ONLY FOR GENERAL CONFORMANCE WITH CITY DESIGN CRITERIA AND THE CITY CODE. THE CITY IS NOT RESPONSIBLE FOR THE COMPLETENESS, ACCURACY AND ADEQUACY OF THE DRAWINGS. DESIGN, DIMENSIONS,
- AND ELEVATIONS SHALL BE CONFIRMED AND CORRELATED AT THE JOB SITE. 3. ONE COPY OF THE APPROVED CONSTRUCTION PLANS AND SPECIFICATIONS SHALL BE KEPT ON THE JOB SITE AT ALL TIMES. PRIOR TO THE START OF CONSTRUCTION, VERIFY WITH PROJECT ENGINEER THE LATEST REVISION DATE OF THE APPROVED CONSTRUCTION PLANS.

4. ALL MATERIALS, WORKMANSHIP, AND CONSTRUCTION OF PUBLIC IMPROVEMENTS SHALL MEET OR EXCEED THE STANDARDS AND

- SPECIFICATIONS SET FORTH IN THE CITY OF STEAMBOAT SPRINGS TECHNICAL SPECIFICATIONS (MARCH, 2018 EDITION), THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" BY THE COLORADO DEPARTMENT OF TRANSPORTATION (2017 EDITION) AND APPLICABLE STATE AND FEDERAL REGULATIONS. WHERE THERE IS A DIRECT CONFLICT BETWEEN THESE PLANS AND THE SPECIFICATIONS, OR ANY APPLICABLE STANDARDS, THE MOST RESTRICTIVE STANDARD SHALL APPLY.
- 5. ALL WATER AND SANITARY SEWER CONSTRUCTION AND RELATED WORK SHALL CONFORM TO THE MOUNT WERNER WATER STANDARD SPECIFICATIONS FOR WATER AND WASTEWATER UTILITIES, CURRENT EDITION STANDARDS AND SPECIFICATIONS.
- PERMIT STORM WATER QUALITY PERMIT ARMY CORP OF ENGINEER PERMIT ETC. IT IS THE APPLICABLE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A COPY OF ALL APPLICABLE CODES, LICENSES, SPECIFICATIONS, AND STANDARDS NECESSARY TO PERFORM THE WORK, AND BE FAMILIAR WITH THEIR CONTENTS PRIOR TO COMMENCING ANY WORK

6. ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES AS REQUIRED MUST BE OBTAINED IN ORDER TO PERFORM THE

WORK. THIS INCLUDES, BUT IS NOT LIMITED TO, RIGHT-OF-WAY PERMIT, GRADING AND EXCAVATION PERMIT, CONSTRUCTION DEWATERING

- 7. PRIOR TO ANY WORK IN THE CITY RIGHT-OF-WAY INCLUDING STREET CUTS. CONTACT THE CITY OF STEAMBOAT SPRINGS STREET DEPARTMENT AT 970.879.1807 FOR PERMIT REQUIREMENTS. NO WORK SHALL OCCUR IN THE ROW BETWEEN NOVEMBER 1 - APRIL 1 UNLESS A WRITTEN VARIANCE HAS BEEN APPROVED AND ISSUED BY THE CITY PUBLIC WORKS DIRECTOR.
- 8. PRIOR TO CLOSURE OF ANY STREET OR PART OF STREET, AN APPROVED OBSTRUCTION PERMIT MUST BE ISSUED BY CITY CONSTRUCTION SERVICES FOREMAN.
- 9. PRIOR TO START OF CONSTRUCTION A PRE-CONSTRUCTION MEETING SHALL BE SCHEDULED WITH THE APPROPRIATE CONTRACTORS. ENGINEER, SURVEYOR, TESTING COMPANY, AFFECTED AGENCIES AND KEY SUBCONTRACTORS A MINIMUM OF 48-HOURS PRIOR TO THE START
- 10. THE LOCAL ENTITY AND ENGINEER SHALL BE NOTIFIED AT LEAST 2 WORKING DAYS PRIOR TO THE START OF ANY EARTH DISTURBING ACTIVITY. OR CONSTRUCTION ON ANY AND ALL PUBLIC IMPROVEMENTS. THE LOCAL ENTITY RESERVES THE RIGHT NOT TO ACCEPT THE IMPROVEMENTS IF SUBSEQUENT TESTING REVEALS AN IMPROPER INSTALLATION.

APPROPRIATE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE PROJECT ENGINEER.

- 11. COORDINATE WITH THE PROJECT ENGINEER TO IDENTIFY PROJECT INSPECTION AND TESTING REQUIREMENTS. PROVIDE FOR INSPECTIONS AND TESTING AT AN ADEQUATE FREQUENCY FOR THE PROJECT ENGINEER TO DOCUMENT THAT PROJECT IS CONSTRUCTED IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS. PRIOR TO MAKING ANY CHANGES TO THE APPROVED PLANS, IT IS THE
- 12. PROVIDE THE OWNER, ENGINEER, THEIR CONSULTANTS, INDEPENDENT TESTING LABORATORIES, ANY GOVERNMENTAL AGENCIES WITH JURISDICTIONAL INTERESTS, OTHER REPRESENTATIVES AND PERSONNEL, ACCESS TO THE SITE AND THE WORK AT REASONABLE TIMES FOR THEIR OBSERVATION, INSPECTING, AND TESTING. PROVIDE THEM PROPER AND SAFE CONDITIONS FOR SUCH ACCESS AND ADVISE THEM OF THE DEVELOPER'S SITE SAFETY PROCEDURES AND PROGRAMS SO THAT THEY MAY COMPLY THEREWITH AS IS APPLICABLE. COORDINATE WITH THE PROJECT ENGINEER SO THAT INSPECTING AND TESTING ARE PROVIDED AT AN ADEQUATE FREQUENCY FOR THE PROJECT ENGINEER TO AFFIRM THAT WORK WAS COMPLETED IN SUBSTANTIAL CONFORMANCE WITH THESE APPROVED PLANS.
- 13. NO WORK MAY COMMENCE WITHIN ANY IMPROVED PUBLIC RIGHT-OF-WAY UNTIL A RIGHT-OF-WAY PERMIT OR APPROPRIATE CONSTRUCTION PERMIT IS OBTAINED, IF APPLICABLE. SUBMIT A CONSTRUCTION TRAFFIC CONTROL PLAN, IN ACCORDANCE WITH MUTCD, TO THE APPROPRIATE RIGHT-OF-WAY AUTHORITY, (LOCAL ENTITY, COUNTY OR STATE), FOR APPROVAL, PRIOR TO ANY CONSTRUCTION ACTIVITIES WITHIN, OR AFFECTING, THE RIGHT-OF-WAY. PROVIDE ANY AND ALL TRAFFIC CONTROL DEVICES AS MAY BE REQUIRED BY THE CONSTRUCTION ACTIVITIES.
- 14. SUBMIT A CONSTRUCTION SITE MANAGEMENT PLAN (CSMP) FOR REVIEW AND APPROVAL BY THE CITY CONSTRUCTION SERVICES FOREMAN PRIOR TO START OF CONSTRUCTION. THE CSMP MUST BE MAINTAINED ON-SITE AND UPDATED AS NEEDED TO REFLECT CURRENT
- 15. ALL CONTRACTORS ARE SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES, AS SHOWN ON THESE PLANS, IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO UNCC) AT 1-800-922-1987. AT LEAST 2 WORKING DAYS PRIOR TO BEGINNING EXCAVATION OR GRADING. TO HAVE ALL REGISTERED UTILITY LOCATIONS MARKED. OTHER UNREGISTERED UTILITY ENTITIES (I.E. DITCH / IRRIGATION COMPANY) ARE TO BE LOCATED BY CONTACTING THE RESPECTIVE REPRESENTATIVE. UTILITY SERVICE LATERALS ARE ALSO TO BE LOCATED PRIOR TO BEGINNING EXCAVATION OR GRADING. THE TYPE, SIZE, LOCATION AND NUMBER OF ALL KNOWN UNDERGROUND UTILITIES ARE APPROXIMATE WHEN SHOWN ON THE DRAWINGS. VERIFY THE EXISTENCE AND LOCATION OF ALL UNDERGROUND UTILITIES ALONG THE ROUTE OF THE WORK BEFORE COMMENCING NEW CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ALL EXISTING UTILITIES THAT CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.
- 16. FIELD LOCATE AND VERIFY ELEVATIONS OF ALL EXISTING SEWER MAINS, WATER MAINS, CURBS, GUTTERS AND OTHER UTILITIES AT THE POINTS OF CONNECTION SHOWN ON THE PLANS, AND AT ANY UTILITY CROSSINGS PRIOR TO INSTALLING ANY OF THE NEW IMPROVEMENTS. IF A CONFLICT EXISTS AND/OR A DESIGN MODIFICATION IS REQUIRED, COORDINATE WITH THE ENGINEER TO MODIFY THE DESIGN. DESIGN MODIFICATION(S) MUST BE APPROVED BY THE LOCAL ENTITY PRIOR TO BEGINNING CONSTRUCTION.
- 17. ALL UTILITY INSTALLATIONS WITHIN OR ACROSS THE ROADBED OR OTHER PAVED AREAS MUST BE COMPLETED PRIOR TO THE FINAL STAGES OF ROAD CONSTRUCTION, FOR THE PURPOSES OF THESE STANDARDS, ANY WORK INCLUDING, GRAVELS, PAVEMENTS, CURB AND GUTTER ABOVE THE SUBGRADE IS CONSIDERED FINAL STAGE WORK. ALL SERVICE LINES MUST BE STUBBED BEYOND THE ROAD PLATFORM OR TO THE PROPERTY LINES AND MARKED SO AS TO REDUCE THE EXCAVATION NECESSARY FOR BUILDING CONNECTIONS.
- ADJUSTMENTS, EXTENSIONS AND REARRANGEMENTS OF EXISTING UTILITIES DURING CONSTRUCTION, AND TO ASSURE THAT THE WORK IS ACCOMPLISHED IN A TIMELY FASHION AND WITH A MINIMUM DISRUPTION OF SERVICE. CONTACT, IN ADVANCE, ALL PARTIES AFFECTED BY ANY DISRUPTION OF ANY UTILITY SERVICE AS WELL AS THE UTILITY COMPANIES.

18. COORDINATE AND COOPERATE WITH THE LOCAL ENTITY, AND ALL UTILITY COMPANIES INVOLVED, WITH REGARD TO RELOCATIONS,

19. NO WORK MAY COMMENCE WITHIN ANY PUBLIC STORM WATER, SANITARY SEWER OR POTABLE WATER SYSTEM UNTIL THE UTILITY PROVIDERS ARE NOTIFIED. NOTIFICATION SHALL BE A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO COMMENCEMENT OF ANY WORK. AT THE DISCRETION OF THE WATER UTILITY PROVIDER, A PRE-CONSTRUCTION MEETING MAY BE REQUIRED PRIOR TO COMMENCEMENT OF ANY WORK.

20. PROTECT ALL UTILITIES DURING CONSTRUCTION AND FOR COORDINATE WITH THE APPROPRIATE UTILITY COMPANY FOR ANY UTILITY

- CROSSINGS REQUIRED.
- 21. WHEN APPLICABLE, THE DEVELOPER AND/OR CONTRACTOR SHALL HAVE ONSITE AT ALL TIMES, EACH OF THE FOLLOWING: BEST MANAGEMENT PRACTICES (BMP) MAINTENANCE FOLDER UP TO DATE STORMWATER MANAGEMENT PLAN (SWMP) THAT ACCURATELY REPRESENTS CURRENT FIELD CONDITIONS
- ONE (1) SIGNED COPY OF THE APPROVED PLANS
- ONE (1) COPY OF THE APPROPRIATE STANDARDS AND SPECIFICATIONS A COPY OF ANY PERMITS AND EXTENSION AGREEMENTS NEEDED FOR THE JOB.
- 22. IF, DURING THE CONSTRUCTION PROCESS, CONDITIONS ARE ENCOUNTERED WHICH COULD INDICATE A SITUATION THAT IS NOT IDENTIFIED IN THE PLANS OR SPECIFICATIONS, CONTACT THE DESIGNER AND THE LOCAL ENTITY ENGINEER IMMEDIATELY.
- 23. ALL REFERENCES TO ANY PUBLISHED STANDARDS SHALL REFER TO THE LATEST REVISION OF SAID STANDARD, UNLESS SPECIFICALLY
- 24. PROVIDE ALL LABOR AND MATERIALS NECESSARY FOR THE COMPLETION OF THE INTENDED IMPROVEMENTS SHOWN ON THESE DRAWINGS, OR DESIGNATED TO BE PROVIDED, INSTALLED, OR CONSTRUCTED, UNLESS SPECIFICALLY NOTED OTHERWISE.
- 25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING AS-BUILT INFORMATION ON A SET OF RECORD DRAWINGS KEPT ON THE CONSTRUCTION SITE, AND AVAILABLE TO THE LOCAL ENTITY'S INSPECTOR AT ALL TIMES.
- 26. DIMENSIONS FOR LAYOUT AND CONSTRUCTION ARE NOT TO BE SCALED FROM ANY DRAWING. IF PERTINENT DIMENSIONS OR ELEVATIONS ARE NOT SHOWN, CONTACT THE DESIGNER FOR CLARIFICATION, AND ANNOTATE THE PROVIDED DIMENSION ON THE AS-BUILT RECORD DRAWINGS. CONTOURS ARE NOT SUITABLE FOR CONSTRUCTION LAYOUT.
- 27. SEQUENCE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO MINIMIZE POTENTIAL UTILITY CONFLICTS. IN GENERAL, GRADE RESTRICTED UTILITIES SUCH AS STORM SEWER AND SANITARY SEWER, SHOULD BE CONSTRUCTED PRIOR TO INSTALLATION OF THE WATER LINES AND DRY UTILITIFS
- 28. EXISTING FENCES, TREES, STREETS, SIDEWALKS, CURBS AND GUTTERS, LANDSCAPING, STRUCTURES, AND IMPROVEMENTS DESTROYED, DAMAGED OR REMOVED DUE TO CONSTRUCTION OF THIS PROJECT SHALL BE REPLACED OR RESTORED IN LIKE KIND AT THE CONTRACTOR'S EXPENSE. UNLESS OTHERWISE INDICATED ON THESE PLANS.
- 29. THESE CONSTRUCTION PLANS SHALL BE VALID FOR A PERIOD OF THREE YEARS FROM THE DATE OF APPROVAL BY THE AHJ. USE OF THESE PLANS AFTER THE EXPIRATION DATE WILL REQUIRE A NEW REVIEW AND APPROVAL PROCESS BY THE LOCAL ENTITY PRIOR TO COMMENCEMENT OF ANY WORK SHOWN IN THESE PLANS.
- 30. ALL CONSTRUCTION IN AREAS DESIGNATED AS WILD FIRE HAZARD AREAS SHALL BE DONE IN ACCORDANCE WITH THE CONSTRUCTION CRITERIA AS ESTABLISHED IN THE WILD FIRE HAZARD AREA MITIGATION REGULATIONS IN FORCE AT THE TIME OF CONSTRUCTION.
- 31. THE CONTRACTOR AGREES THAT BY COMMENCING CONSTRUCTION THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE CONSTRUCTION OF THE PROJECT. INCLUDING. BUT NOT LIMITED TO THE SAFETY OF ALL PERSONS AND PROPERTY: THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS: AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD T THE ENGINEER, AND THE GOVERNING AGENCIES AND THE OFFICERS, DIRECTORS, PARTNERS. EMPLOYEES. AGENTS AND OTHER CONSULTANTS OF EACH AND ANY OF THEM HARMLESS FROM ANY AND ALL LIABILITY. REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT FOR LIABILITY ARISING FROM THE NEGLIGENCE OF THE OWNER THE ENGINEER OR THE GOVERNING AGENCIES
- 32. NOTIFY THE ENGINEER IMMEDIATELY UPON DISCOVERING ANY CONFLICTS OR OTHER PROBLEMS IN CONFORMING TO THE APPROVED CONSTRUCTION DRAWINGS, SPECIFICATIONS OR DETAILS FOR ANY ELEMENT OF THE PROPOSED IMPROVEMENTS PRIOR TO PROCEEDING WITH ITS CONSTRUCTION.
- 33. COORDINATE THE INSTALLATION OR RELOCATION OF THE DRY UTILITY COMPANY'S FACILITIES. COST OF THE DRY UTILITY WORK SHALL BE BORNE BY THE OWNER, EXCEPT AS INDICATED IN THE PLANS AND SPECIFICATIONS.

- 34. PRESERVE PRIVATE AND PUBLIC PROPERTY AND PROTECT IT FROM DAMAGE THAT MAY RESULT FROM CONSTRUCTING THESE PROPOSED
- 35. ACCESS TO ALL ADJACENT PROPERTIES AND FACILITIES SHALL BE MAINTAINED AT ALL TIMES. REQUIRED INTERRUPTION OF ACCESS SHALL BE COORDINATED WITH THE PROPERTY AND PROJECT OWNERS.
- 36. IF HAZARDOUS MATERIAL OR SUSPECT MATERIAL IS ENCOUNTERED NOTIFY THE OWNER AND ENGINEER BEFORE CONTINUING WORK. HAZARDOUS MATERIALS SHALL BE REMOVED AS REQUIRED.

37. THE APPROPRIATE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SOURCE OF CONSTRUCTION WATER FOR USE ON THIS PROJECT.

- 38. EXCESS MATERIAL SHALL BE REMOVED FROM SITE AND HANDLED IN ACCORDANCE TO ALL RULES AND REQUIREMENTS. A SEPARATE PERMIT
- MAY BE REQUIRED AND SHALL BE COORDINATED WITH THE AUTHORITY HAVING JURISDICTION. 39. OFFSITE AND ADJACENT SITE DATA IS FOR REFERENCE PURPOSES ONLY.
- 40. ALL LANDSCAPING, REVEGETATION AND WETLANDS REQUIREMENTS DESIGN BY OTHERS. ALL DISTURBED AREAS ARE TO BE REVEGETATED
- 41. ENSURE THAT WORK FOR THIS PROJECT BE PERFORMED BY CONTRACTORS (INCLUDING CONTRACTOR'S EMPLOYEES AND AGENTS) POSSESSING THE SKILLS, EXPERTISE AND UNDERSTANDING OF ALL APPLICABLE CODES, SPECIFICATIONS, STANDARDS AND MANUFACTURER
- 42. ALL CONSTRUCTION ACTIVITIES AND DISTURBANCES SHALL OCCUR WITHIN THE PROPERTY LIMITS. WHERE OFF-SITE WORK IS APPROVED WRITTEN PERMISSION OF THE ADJACENT PROPERTY OWNER MUST BE OBTAINED PRIOR TO ANY OFF-SITE GRADING OR CONSTRUCTION.

REQUIREMENTS. BY COMMENCING WORK, THE CONTRACTORS REPRESENT THAT THEY UNDERSTAND AND ACCEPT THIS REQUIREMENT.

#### CONSTRUCTION NOTES

- 43. NO WORK SHALL OCCUR IN WETLANDS OR FLOODPLAINS WITHOUT PERMITS. ANY WORK SHALL BE IN ACCORDANCE WITH ISSUED PERMITS.
- 44. VEGETATED SLOPES GREATER THAN 3:1 REQUIRE SOIL STABILIZATION

FLARED END SECTIONS, ACTUAL LENGTHS MAY VARY.

- 45. CLEAN ALL INSTALLED CULVERTS AND STORM SEWERS PRIOR TO SUBSTANTIAL COMPLETION INSPECTIONS.
- 47. SLOPES ARE CALCULATED FROM INSIDE EDGE OF MANHOLE/STRUCTURE TO INSIDE EDGE OF MANHOLE/STRUCTURE.
- 48. IMPERVIOUS CLAY DAMS ARE REQUIRED IN TRENCH AT 50-FT INTERVALS AND AT CHANGES IN PIPE DIRECTION AND/OR AT PIPE JUNCTIONS

46. LENGTHS SHOWN ON PLANS ARE HORIZONTAL LENGTHS FROM CENTER OF MANHOLE TO CENTER OF MANHOLE OR TO THE END OF THE

- 49. MINIMUM RECOMMENDATIONS (TO BE CONFIRMED OR REPLACED BY GEOTECHNICAL ENGINEER): PROPOSED FILL AREAS WHERE PAVEMENT OR SITE CONCRETE IS ANTICIPATED SHOULD BE PREPARED BY STRIPPING EXISTING TOPSOIL AND ORGANIC MATERIALS. SCARIFICATION TO A DEPTH OF AT LEAST 8 INCHES AND COMPACTION TO MINIMUM VALUES GIVEN BELOW. MOISTURE CONDITIONING MAY BE REQUIRED TO ATTAIN STABILITY AND MINIMUM COMPACTION.
- SITE FILLS AND TRENCH BACKFILL SHOULD CONSIST OF APPROVED ON-SITE OR IMPORTED MATERIALS. FILLS SHOULD BE UNIFORMLY PLACED AND COMPACTED IN 6 TO 8 INCH LOOSE LIFTS TO AT LEAST 95 PERCENT OF THE MAXIMUM STANDARD PROCTOR DENSITY AND WITHIN 2 PERCENT OF THE OPTIMUM MOISTURE CONTENT (ASTM D698). MOISTURE CONDITIONING OF FILL MATERIALS MAY BE REQUIRED TO ATTAIN MINIMUM COMPACTION AND STABILITY REQUIREMENTS.
- 50. A GEOTECHNICAL REPORT FOR THIS PROJECT WAS PREPARED UNDER THE TITLE OF "SUBSOIL AND FOUNDATION INVESTIGATION, PROPOSED PARTOVI TOWNHOMES, 1805 WALTON CREEK ROAD" BY "NWCC" DATED "JANUARY 10, 2019", AND THEIR RECOMMENDATIONS ARE HEREBY INCORPORATED HEREIN. IF A CONFLICT OR DISCREPANCY OCCURS, NOTIFY THE ENGINEER IMMEDIATELY UPON DISCOVERY.

### **B. CONSTRUCTION SITE AND STORMWATER MANAGEMENT**

- 51. CONTRACTOR SHALL SUBMIT A CONSTRUCTION SITE MANAGEMENT PLAN TO THE CITY FOR APPROVAL PRIOR TO BUILDING PERMIT ISSUANCE.
- 52. WHEN REQUIRED THE CONTRACTOR SHALL PREPARE A STORMWATER MANAGEMENT PLAN. THE STORMWATER MANAGEMENT PLAN SHALL BE PREPARED BY A QUALIFIED INDIVIDUAL WITH KNOWLEDGE IN THE PRINCIPLES AND PRACTICES OF EROSION AND SEDIMENT CONTROL AND POLLUTION PREVENTION. THIS INDIVIDUAL SHOULD BE RESPONSIBLE FOR DEVELOPING, IMPLEMENTING, MAINTAINING, AND REVISING THE STORMWATER MANAGEMENT PLAN FOR THE DURATION OF THE PROJECT.
- 53. THE STORMWATER MANAGEMENT PLAN SHOULD ADDRESS INSTALLATION, INSPECTION AND MAINTENANCE OF ALL NECESSARY EROSION AND SEDIMENT CONTROL DURING CONSTRUCTION AND REMOVE EROSION CONTROL WHEN PROJECT IS COMPLETE AND VEGETATION IS ESTABLISHED. WHEN TEMPORARY EROSION CONTROL MEASURES ARE REMOVED, CLEAN UP AND REMOVE ALL SEDIMENT AND DEBRIS FROM ALL DRAINAGE INFRASTRUCTURE AND OTHER PUBLIC FACILITIES.
- 54. ALL REQUIRED PERIMETER SILT AND CONSTRUCTION FENCING SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITY (STOCKPILING, STRIPPING, GRADING, ETC). ALL OTHER REQUIRED EROSION CONTROL MEASURES SHALL BE INSTALLED AT THE APPROPRIATE TIME IN THE CONSTRUCTION SEQUENCE AS INDICATED IN THE APPROVED PROJECT SCHEDULE, CONSTRUCTION PLANS, AND STORMWATER MANAGEMENT
- 55. ENSURE THAT NO MUD OR DEBRIS SHALL BE TRACKED ONTO THE EXISTING PUBLIC STREET SYSTEM. MUD AND DEBRIS MUST BE REMOVED BY THE END OF EACH WORKING DAY BY AN APPROPRIATE MECHANICAL METHOD (I.E. MACHINE BROOM SWEEP, LIGHT DUTY FRONT-END LOADER, ETC.) OR AS APPROVED BY THE LOCAL ENTITY STREET INSPECTOR. 56. ALL STRUCTURAL EROSION CONTROL MEASURES SHALL BE INSTALLED AT THE LIMITS OF CONSTRUCTION AND AT AREAS WITH DISTURBED SOIL, ON- OR OFF-SITE, PRIOR TO ANY OTHER GROUND-DISTURBING ACTIVITY. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED IN

GOOD REPAIR, UNTIL SUCH TIME AS THE ENTIRE DISTURBED AREAS IS STABILIZED WITH HARD SURFACE OR LANDSCAPING. TO MITIGATE

- EROSION, UTILIZE STANDARD EROSION CONTROL TECHNIQUES DESCRIBED IN THE URBAN STORM DRAINAGE CRITERIA MANUAL, VOLUME 3 -BEST MANAGEMENT PRACTICES, AS PUBLISHED BY THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT (UDFCD). 57. PRE-DISTURBANCE VEGETATION SHALL BE PROTECTED AND RETAINED WHEREVER POSSIBLE. REMOVAL OR DISTURBANCE OF EXISTING VEGETATION SHALL BE LIMITED TO THE AREA(S) REQUIRED FOR IMMEDIATE CONSTRUCTION OPERATIONS, AND FOR THE SHORTEST
- 58. IMMEDIATELY CLEAN UP ANY CONSTRUCTION MATERIALS INADVERTENTLY DEPOSITED ON EXISTING STREETS, SIDEWALKS, OR OTHER PUBLIC RIGHTS OF WAY, AND MAKE SURE STREETS AND WALKWAYS ARE CLEANED AT THE END OF EACH WORKING DAY.
- LOCATION SO AS NOT TO CAUSE THEIR RELEASE INTO ANY WATERS OF THE UNITED STATES

59. ALL RETAINED SEDIMENTS, PARTICULARLY THOSE ON PAVED ROADWAY SURFACES, SHALL BE REMOVED AND DISPOSED OF IN A MANNER AND

- 60. THE STORMWATER VOLUME CAPACITY OF DETENTION PONDS WILL BE RESTORED AND STORM SEWER LINES WILL BE CLEANED UPON
- 61. THE COLORADO DISCHARGE PERMIT SYSTEM (CDPS) REQUIREMENTS MAKE IT UNLAWFUL TO DISCHARGE OR ALLOW THE DISCHARGE OF ANY POLLUTANT OR CONTAMINATED WATER FROM CONSTRUCTION SITES. POLLUTANTS INCLUDE, BUT ARE NOT LIMITED TO DISCARDED BUILDING MATERIALS, CONCRETE TRUCK WASHOUT, CHEMICALS, OIL AND GAS PRODUCTS, LITTER, AND SANITARY WASTE. TAKE WHATEVER MEASURES ARE NECESSARY TO ASSURE THE PROPER CONTAINMENT AND DISPOSAL OF POLLUTANTS ON THE SITE IN ACCORDANCE WITH ANY AND ALL APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.
- 62. THE DRAINAGE REPORT SHALL BE REFERENCED WHEN PREPARING THE PROJECT'S STORMWATER MANAGEMENT PLAN. A DRAINAGE REPORT FOR THIS PROJECT WAS COMPLETED BY LANDMARK CONSULTANTS TITLED "TBD" AND IS DATED "TBD". C. PAVING

# 63. UNLESS NOTED OTHERWISE, THE PAVEMENT SECTION SHALL CONSIST OF:

- A. 8-INCH THICK AGGREGATE SUBBASE COURSE: MODIFIED CDOT STANDARD CLASS 3 BASE AGGREGATE OR WELL GRADED PIT RUN
- CONFORMING TO CDOT STANDARD SPECIFICATION SECTION 703 FOR AGGREGATES. B. 4-INCH THICK AGGREGATE BASE COURSE: CDOT STANDARD SPECIFICATIONS SECTION 703.03 FOR CLASS 6 AGGREGATE BASE COURSE; C. 4-INCH THICK ASPHALT PAVEMENT: CDOT STANDARD SPECIFICATIONS, LATEST EDITION, WITH TYPE SX GRADATION AND PG58-28 BINDER. TACK COATS SHALL BE SS-1H AND CONFORM TO AASHTO M140 PAVING OF PUBLIC STREETS SHALL NOT START UNTIL SUBGRADE
- 64. EXISTING ASPHALT PAVEMENT SHALL BE STRAIGHT SAW CUT A MINIMUM DISTANCE OF 12 INCHES FROM THE EXISTING EDGE, TO CREATE A CLEAN CONSTRUCTION JOINT. REMOVE EXISTING PAVEMENT TO A DISTANCE WHERE A CLEAN CONSTRUCTION JOINT CAN BE MADE. TACK COAT SHALL BE APPLIED TO ALL EXPOSED SURFACES INCLUDING SAW CUTS, POTHOLES, TRENCHES, AND ASPHALT OVERLAY. ASPHALT PATCHES IN THE RIGHT-OF-WAY SHALL BE PER CITY SPECIFICATIONS.
- 65. CONTACT CITY STREETS SUPERINTENDENT AT (970) 879-1807 TO SCHEDULE INSTALLATION OF PUBLIC STREET SIGNS. ALL OTHER TRAFFIC CONTROL SIGNS ARE THE RESPONSIBILITY OF THE DEVELOPER.
- 66. NO BASE MATERIAL SHALL BE LAID UNTIL THE SUBGRADE HAS BEEN INSPECTED AND APPROVED BY THE ENGINEER.

COMPACTION AND MATERIAL TESTS ARE TAKEN AND ACCEPTED BY THE PUBLIC WORKS DIRECTOR.

- 67. VALVE BOXES, CLEANOUTS AND MANHOLES ARE TO BE BROUGHT UP TO GRADE AT THE TIME OF PAVEMENT PLACEMENT OR OVERLAY. VALVE BOX ADJUSTING RINGS ARE NOT ALLOWED.
- 68. WHEN AN EXISTING ASPHALT STREET MUST BE CUT, THE STREET MUST BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN ITS ORIGINAL CONDITION. THE EXISTING STREET CONDITION SHALL BE DOCUMENTED BY THE ENGINEER BEFORE ANY CUTS ARE MADE. THE FINISHED PATCH SHALL BLEND SMOOTHLY INTO THE EXISTING SURFACE.

- 69. PERFORM A GUTTER WATER FLOW TEST IN THE PRESENCE OF THE ENGINEER AND PRIOR TO INSTALLATION OF ASPHALT. GUTTERS THAT HOLD MORE THAN 1/4 INCH DEEP OR 5 FEET LONGITUDINALLY, OF WATER, SHALL BE COMPLETELY REMOVED AND RECONSTRUCTED TO DRAIN
- 70. PRIOR TO PLACEMENT OF H.B.P. OR CONCRETE WITHIN THE STREET AND AFTER MOISTURE/DENSITY TESTS HAVE BEEN TAKEN ON THE SUBGRADE MATERIAL (WHEN A FULL DEPTH SECTION IS PROPOSED) OR ON THE SUBGRADE AND BASE MATERIAL (WHEN A COMPOSITE SECTION IS PROPOSED), A MECHANICAL "PROOF ROLL" WILL BE REQUIRED. THE ENTIRE SUBGRADE AND/OR BASE MATERIAL SHALL BE ROLLED WITH A HEAVILY LOADED VEHICLE HAVING A TOTAL GVW OF NOT LESS THAN 50,000 LBS. AND A SINGLE AXLE WEIGHT OF AT LEAST 18,000 LBS. WITH PNEUMATIC TIRES INFLATED TO NOT LESS THAT 90 P.S.I.G. "PROOF ROLL" VEHICLES SHALL NOT TRAVEL AT SPEEDS GREATER THAN 3 M P H. ANY PORTION OF THE SUBGRADE OR BASE MATERIAL WHICH EXHIBITS EXCESSIVE PUMPING OR DEFORMATION, AS DETERMINED BY THE ENGINEER, SHALL BE REWORKED, REPLACED OR OTHERWISE MODIFIED TO FORM A SMOOTH, NON-YIELDING SURFACE. THE ENGINEER SHALL BE NOTIFIED AT LEAST 24 HOURS PRIOR TO THE "PROOF ROLL." ALL "PROOF ROLLS" SHALL BE PREFORMED IN THE PRESENCE OF AN
- 71. NO UNDERMINING OF EXISTING PAVEMENT SHALL BE ALLOWED. IF UNDERMINING IS EVIDENT, PAVEMENT SHALL BE CUT BACK ACCORDINGLY. NO ADDITIONAL PAYMENT SHALL BE PROVIDED.
- 72. ALL WATER AND SEWER CONSTRUCTION SHALL BE PER MT. WERNER WATER OR THE CITY OF STEAMBOAT SPRINGS WATER & SEWER STANDARD SPECIFICATIONS, LATEST EDITION, AS APPLICABLE.
- 73. MAINTAIN 10' HORIZONTAL AND 18" VERTICAL MINIMUM SEPARATION BETWEEN ALL SANITARY SEWER MAINS, WATER MAINS & SERVICES.
- 74. MANHOLES LOCATED OUTSIDE OF THE ROADWAY SHALL PROTRUDE 1' ABOVE EXISTING GRADE TO REDUCE INFILTRATION. GRADE SURFACE TO DRAIN AROUND/AWAY FROM MANHOLE RIMS.
- 75. ALL MANHOLES LOCATED IN THE ROADWAY SHALL HAVE RIM ELEVATIONS ADJUSTED TO 1/4" BELOW FINISHED GRADE. IF NECESSARY, CONE SECTIONS SHALL BE ROTATED TO PREVENT LIDS BEING LOCATED WITHIN VEHICLE OR BICYCLE WHEEL PATHS.
- 76. SEWER SERVICE SHALL HAVE A MINIMUM OF 4-FT OF COVER.

D. WATER AND SEWER NOTES

- 77. WATER SERVICE SHALL HAVE A MINIMUM OF 7-FT OF COVER.
- 78. ALL WATER PIPE SHALL BE INSTALLED WITH A #10 SOLID COPPER WIRE COATED WITH 45 MIL POLYETHYLENE FOR LOCATING PURPOSES. GLENN TEST STATIONS" BY VALVCO, INC TRACER WIRE TEST STATIONS SHALL BE INSTALLED ADJACENT TO ALL FIRE HYDRANTS. ADDITIONAL LOCATIONS MAY BE REQUIRED.
- 79. THE PARTICLE SIZE OF BEDDING AND SHADING MATERIAL SHALL BE 3/4 INCH WASHED OR SCREENED ROCK (NOT ROAD BASE OR CLASS 6) AND SHALL EXTEND THE FULL WIDTH OF THE TRENCH.
- 80. ALL MATERIALS USED FOR BACKFILL SHALL BE FREE FROM REFUSE ORGANIC MATERIAL, COBBLES, BOULDERS, LARGE ROCKS OR STONES OR FROZEN SOILS GREATER THAN 6-INCHES IN DIAMETER.
- 81. ALL TRENCHES SHALL BE COMPACTED TO 95% AS DETERMINED BY ASTM D698 (STANDARD PROCTOR) OR AS SPECIFIED BY GEOTECHNICAL

### PROJECT NOTES:

- 82. AN AUTOCAD COMPATIBLE FILE WILL BE PROVIDED FOR CONSTRUCTION STAKING PURPOSES, UPON ACCEPTANCE OF LANDMARK'S CAD
- 83. IF THESE DRAWINGS ARE PRESENTED IN A FORMAT OTHER THAN 22" X 34", THE GRAPHIC SCALE SHOULD NOT BE USED. 84. THE CONTRACTOR ACKNOWLEDGES AND UNDERSTANDS THAT THE CONTRACT DOCUMENTS MAY REPRESENT IMPERFECT DATA AND MAY CONTAIN ERRORS, OMISSIONS, CONFLICTS, INCONSISTENCIES, CODE VIOLATIONS AND IMPROPER USE OF MATERIALS. SUCH DEFICIENCIES WILL BE CORRECTED WHEN IDENTIFIED. THE CONTRACTOR AGREES TO CAREFULLY STUDY AND COMPARE THE INDIVIDUAL CONTRACT

DOCUMENTS AND REPORT AT ONCE IN WRITING TITHE OWNER ANY DEFICIENCIES THE CONTRACTOR MAY DISCOVER. THE CONTRACTOR

FURTHER AGREES TO REQUIRE EACH SUBCONTRACTOR TO LIKEWISE STUDY THE DOCUMENTS AND REPORT AT ONCE ANY DEFICIENCIES

THE CONTRACTOR SHALL RESOLVE ALL REPORTED APPLICABLE DEFICIENCIES WITH LANDMARK PRIOR TO AWARDING ANY SUBCONTRACTS OR STARTING ANY WORK WITH THE CONTRACTOR'S OWN EMPLOYEES. IF ANY DEFICIENCIES CANNOT BE RESOLVED BY THE CONTRACTOR. WITHOUT ADDITIONAL TIME OR ADDITIONAL EXPENSES, THE CONTRACTOR SHALL SO INFORM THE OWNER IN WRITING. ANY SUCH ADDITIONAL

#### WORK PERFORMED PRIOR TO RECEIPT OF INSTRUCTIONS FROM THE OWNER WILL BE DONE AT THE CONTRACTOR'S RISK. **CONSTRUCTION PHASE SERVICES:**

IT IS UNDERSTOOD AND AGREED THAT LANDMARK DOES NOT HAVE AN OBLIGATION TO CONDUCT CONSTRUCTION OBSERVATION OR REVIEW OF THE CONTRACTOR'S PERFORMANCE OR ANY OTHER CONSTRUCTION PHASE SERVICES, AND THAT SUCH SERVICES WILL BE PROVIDED FOR BY THE OWNER AS MAY BE REQUIRED BY THE CITY OF STEAMBOAT SPRINGS. THE OWNER ASSUMES ALL RESPONSIBILITY FOR INTERPRETATION OF THESE CONSTRUCTION DOCUMENTS AND FOR CONSTRUCTION OBSERVATION AND THE OWNER WAIVES ANY CLAIMS AGAINST LANDMARK THAT MAY BE IN ANY WAY CONNECTED THERETO. IN ADDITION, THE OWNER AGREES, TO THE FULLEST EXTENT PERMITTED BY LAW, TO INDEMNIFY AND HOLD HARMLESS LANDMARK, ITS OFFICERS, DIRECTORS, EMPLOYEES AND SUBCONSULTANTS (COLLECTIVELY, LANDMARK) AGAINST ALL DAMAGES, LIABILITIES OR COSTS. INCLUDING REASONABLE ATTORNEYS' FEES AND DEFENSE COSTS, ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE PERFORMANCE OF SUCH SERVICES BY OTHER PERSONS OR ENTITIES AND FROM ANY AND ALL CLAIMS ARISING FROM MODIFICATIONS, CLARIFICATIONS, INTERPRETATIONS, ADJUSTMENTS OR CHANGES MADE TO THESE CONSTRUCTION DOCUMENTS TO REFLECT CHANGED FIELD OR OTHER

CONDITIONS, EXCEPT FOR CLAIMS ARISING FROM THE SOLE NEGLIGENCE OR WILLFUL MISCONDUCT OF LANDMARK.

BW OR BOW BOTTOM OF WALL **CUT & CAPPED** CORRUGATED ALUMINUM PIPE CAST-IN-PLACE CENTERLINE CORRUGATED METAL PIPE CLEAN OUT CONCRETE PIPE CORRUGATED STEEL PIPE DIAMETER **DUCTILE IRON PIPE** EXISTING GROUND ELEVATION EDGE OF ASPHALT EDGE OF CONCRETE

EDGE OF PAVEMENT END VERTICAL CURVE ELEVATION END VERTICAL CURVE STATION EXISTING FRAME & GRATE FRAME & COVER FLARED END SECTION FINISH FLOOR ELEVATION FIRE HYDRAN FLOW LINE FINISH GRADE FINISH GRADE AT BOTTOM OF WALL GRADE BREAK GARAGE FINISH FLOOR ELEVATION GRADE TO DRAIN HIGH DENSITY POLYETHYLENE PIPE INVERT POUNDS LIMITS OF DISTURBANCE MAXIMUM MATCH EXISTING

**ABBREVIATIONS** 

EOA OR EA

APPROXIMATE

AMERICAN'S WITH DISABILITIES ACT

BEST MANAGEMENT PRACTICE

BEGIN VERTICAL CURVE STATION

BEGIN VERTICAL CURVE ELEVATION

MECHANICAL. ELECTRIC. AND PLUMBING MANHOLE MINIMUM MECHANICAL JOINT NAP OR N.A.P. NOT A PART (NOT INCLUDED IN SCOPE)

NOT TO SCALE OFFSET POINT OF CURVE POINT OF INTERSECTION POINT OF CONCAVE CURVE POROUS LANDSCAPE DETENTION POND POINT OF REVERSE CURVE

> POINT OF TANGENT POINT OF VERTICAL CURVE POLYVINYL CHLORIDE PIPE POINT OF VERTICAL INTERSECTION POINT OF VERTICAL TANGENT **RADIUS**

> > TOP OF PIPE

TYPICAL

VOLUME

WITH

TAPERED TO GRADE

VITRIFIED CLAY PIPI

REINFORCED CONCRETE PIPE

REQUIRED RIGHT OF WAY STATION THRUST BLOCK TOP BACK OF CURE TO BE REMOVED TOP OF GRATE

TW OR TOW TOP OF WALL

COLORADO

Know what's below.

Call before you dig.

UNDERGROUND MEMBER UTILITIES.

SIGNATURE AND DATE

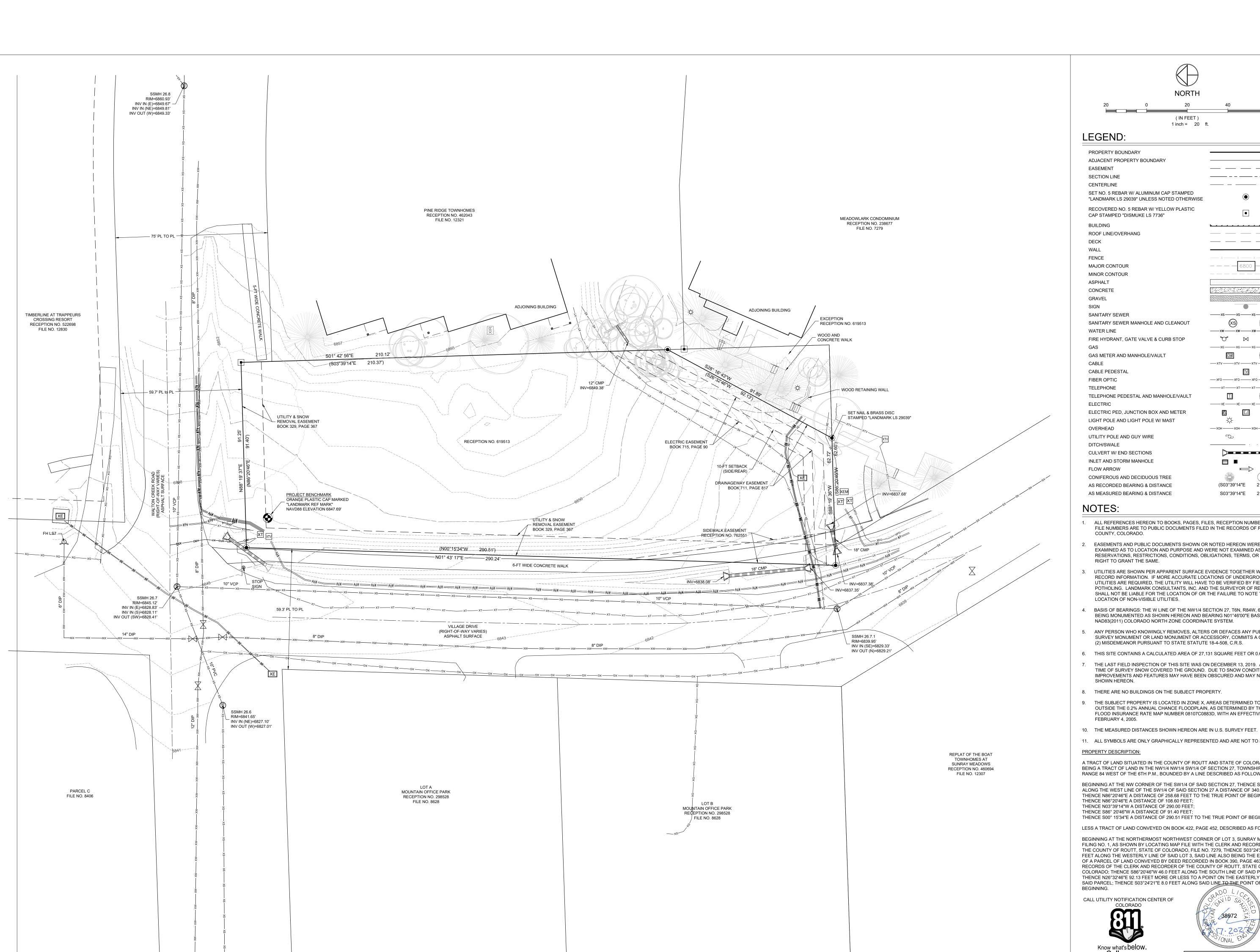
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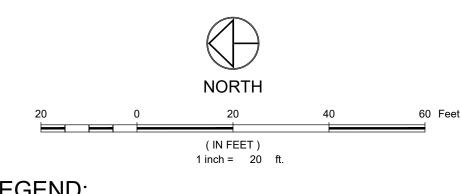
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LEGEND:

PROPERTY BOUNDARY ADJACENT PROPERTY BOUNDARY EASEMENT SECTION LINE

CENTERLINE SET NO. 5 REBAR W/ ALUMINUM CAP STAMPED "LANDMARK LS 29039" UNLESS NOTED OTHERWISE

RECOVERED NO. 5 REBAR W/ YELLOW PLASTIC CAP STAMPED "DISMUKE LS 7736" BUILDING

ROOF LINE/OVERHANG **FENCE** 

MAJOR CONTOUR MINOR CONTOUR ASPHALT

CONCRETE

SANITARY SEWER SANITARY SEWER MANHOLE AND CLEANOUT WATER LINE FIRE HYDRANT, GATE VALVE & CURB STOP

GAS METER AND MANHOLE/VAULT

CABLE PEDESTAL TELEPHONE

TELEPHONE PEDESTAL AND MANHOLE/VAULT ELECTRIC ELECTRIC PED, JUNCTION BOX AND METER LIGHT POLE AND LIGHT POLE W/ MAST

OVERHEAD UTILITY POLE AND GUY WIRE DITCH/SWALE CULVERT W/ END SECTIONS INLET AND STORM MANHOLE

FLOW ARROW CONIFEROUS AND DECIDUOUS TREE AS RECORDED BEARING & DISTANCE AS MEASURED BEARING & DISTANCE

(S03°39'14"E 210.37') S03°39'14"E 210.37'

ALL REFERENCES HEREON TO BOOKS, PAGES, FILES, RECEPTION NUMBERS AND FILE NUMBERS ARE TO PUBLIC DOCUMENTS FILED IN THE RECORDS OF ROUTT

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BASIS OF BEARINGS: THE W LINE OF THE NW1/4 SECTION 27, T6N, R84W, 6TH P.M., BEING MONUMENTED AS SHOWN HEREON AND BEARING N01°46'00"E BASED ON NAD83(2011) COLORADO NORTH ZONE COORDINATE SYSTEM.

ANY PERSON WHO KNOWINGLY REMOVES, ALTERS OR DEFACES ANY PUBLIC LAND SURVEY MONUMENT OR LAND MONUMENT OR ACCESSORY, COMMITS A CLASS TWO (2) MISDEMEANOR PURSUANT TO STATE STATUTE 18-4-508, C.R.S.

6. THIS SITE CONTAINS A CALCULATED AREA OF 27,131 SQUARE FEET OR 0.62 ACRES. THE LAST FIELD INSPECTION OF THIS SITE WAS ON DECEMBER 13, 2019. AT THE TIME OF SURVEY SNOW COVERED THE GROUND. DUE TO SNOW CONDITIONS SOME IMPROVEMENTS AND FEATURES MAY HAVE BEEN OBSCURED AND MAY NOT BE

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9. THE SUBJECT PROPERTY IS LOCATED IN ZONE X, AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN, AS DETERMINED BY THE F.E.MA. FLOOD INSURANCE RATE MAP NUMBER 08107C0883D, WITH AN EFFECTIVE DATE OF FEBRUARY 4, 2005.

11. ALL SYMBOLS ARE ONLY GRAPHICALLY REPRESENTED AND ARE NOT TO SCALE. PROPERTY DESCRIPTION:

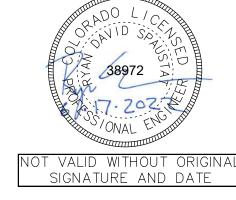
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BEGINNING AT THE NW CORNER OF THE SW1/4 OF SAID SECTION 27, THENCE S0° 15'34"E ALONG THE WEST LINE OF THE SW1/4 OF SAID SECTION 27 A DISTANCE OF 340.59 FEET, THENCE N86°20'46"E A DISTANCE OF 258.68 FEET TO THE TRUE POINT OF BEGINNING: THENCE N86°20'46"E A DISTANCE OF 108.60 FEET;

THENCE N03°39'14"W A DISTANCE OF 290.00 FEET THENCE S86° 20'46"W A DISTANCE OF 91.40 FEET; THENCE S00° 15'34"E A DISTANCE OF 290.51 FEET TO THE TRUE POINT OF BEGINNING. LESS A TRACT OF LAND CONVEYED ON BOOK 422, PAGE 452, DESCRIBED AS FOLLOWS: BEGINNING AT THE NORTHERMOST NORTHWEST CORNER OF LOT 3, SUNRAY MEADOWS FILING NO. 1, AS SHOWN BY LOCATING MAP FILE WITH THE CLERK AND RECORDER OF THE COUNTY OF ROUTT, STATE OF COLORADO, FILE NO. 7279, THENCE S03°24'21"E, 71.63 FEET ALONG THE WESTERLY LINE OF SAID LOT 3. SAID LINE ALSO BEING THE EAST LINE

OF A PARCEL OF LAND CONVEYED BY DEED RECORDED IN BOOK 390, PAGE 463, OF THE RECORDS OF THE CLERK AND RECORDER OF THE COUNTY OF ROUTT, STATE OF COLORADO; THENCE S86°20'46"W 46.0 FEET ALONG THE SOUTH LINE OF SAID PARCEL; THENCE N26°32'46"E 92.13 FEET MORE OR LESS TO A POINT ON THE EASTERLY LINE OF SAID PARCEL; THENCE S03°24'21"E 8.0 FEET ALONG SAID LINE TO THE POINT OF BEGINNING.

CALL UTILITY NOTIFICATION CENTER OF COLORADO Know what's below. Call before you dig. CALL 2 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

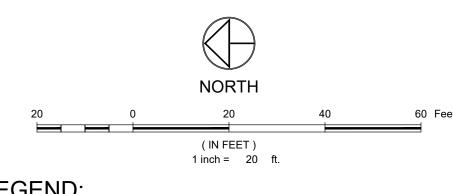


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(S03°39'14"E 210.37')

S03°39'14"E 210.37'

(XS)

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ROOF LINE/OVERHANG **FENCE** 

MAJOR CONTOUR MINOR CONTOUR ASPHALT CONCRETE

SANITARY SEWER

SANITARY SEWER MANHOLE AND CLEANOUT WATER LINE

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CABLE PEDESTAL TELEPHONE

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10. THE MEASURED DISTANCES SHOWN HEREON ARE IN U.S. SURVEY FEET. 11. ALL SYMBOLS ARE ONLY GRAPHICALLY REPRESENTED AND ARE NOT TO SCALE.

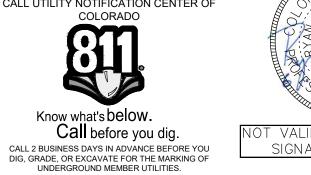
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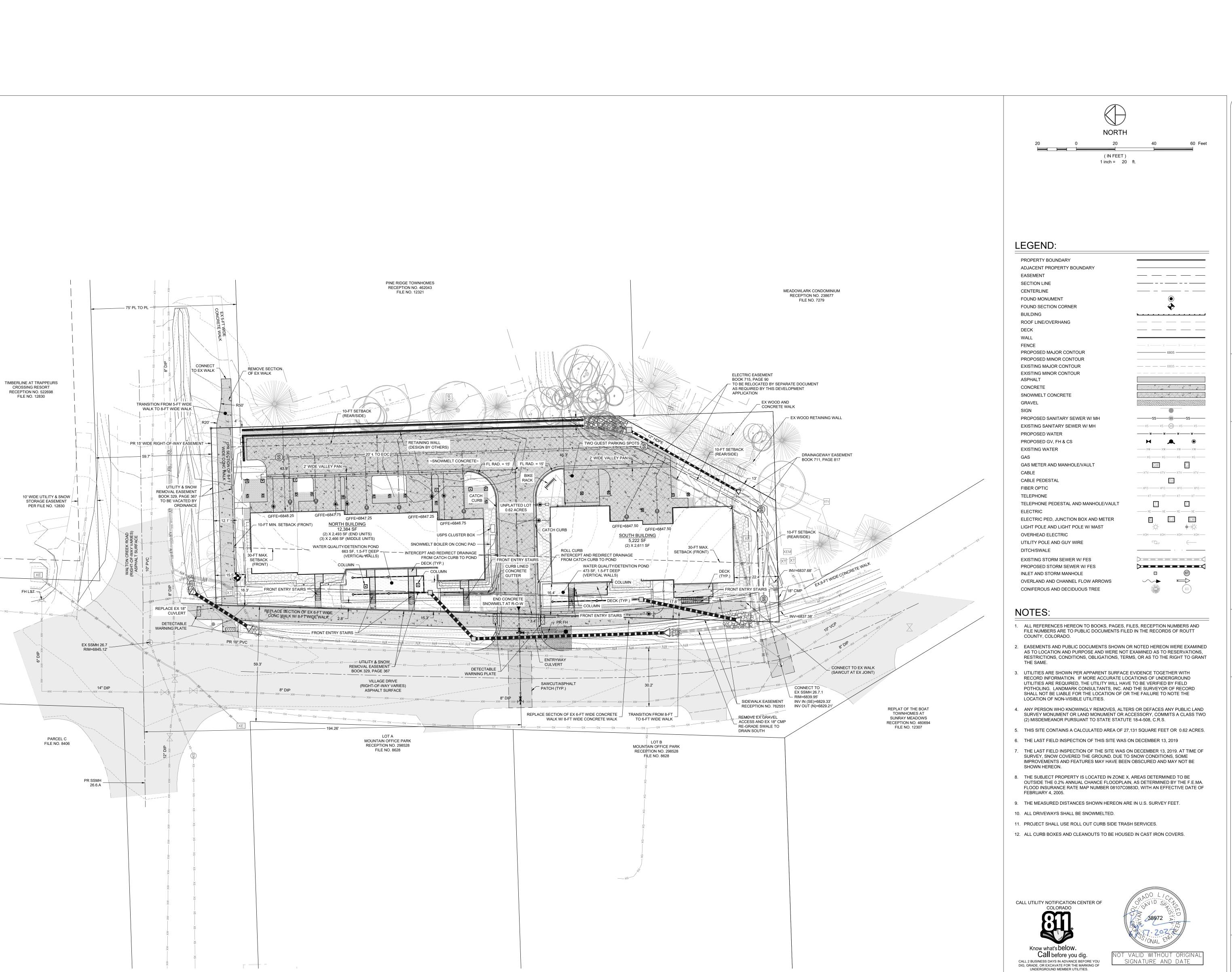


THENCE N26°32'46"E 92.13 FEET MORE OR LESS TO A POINT ON THE EASTERLY LINE OF SIGNATURE AND DATE

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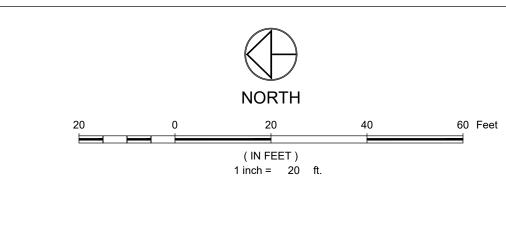
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**REVIEWED** COMPLIANCE 12/07/2022

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RECEPTION NO. 298528



### LEGEND:

PROPERTY BOUNDARY ADJACENT PROPERTY BOUNDARY EASEMENT SECTION LINE CENTERLINE FOUND MONUMENT FOUND SECTION CORNER BUILDING ROOF LINE/OVERHANG **FENCE** 

PROPOSED MAJOR CONTOUR PROPOSED MINOR CONTOUR EXISTING MAJOR CONTOUR EXISTING MINOR CONTOUR ASPHALT CONCRETE SNOWMELT CONCRETE

PROPOSED SANITARY SEWER W/ MH EXISTING SANITARY SEWER W/ MH PROPOSED WATER

PROPOSED GV, FH & CS EXISTING WATER

GAS METER AND MANHOLE/VAULT CABLE CABLE PEDESTAL FIBER OPTIC TELEPHONE TELEPHONE PEDESTAL AND MANHOLE/VAULT **ELECTRIC** 

ELECTRIC PED, JUNCTION BOX AND METER LIGHT POLE AND LIGHT POLE W/ MAST OVERHEAD ELECTRIC UTILITY POLE AND GUY WIRE DITCH/SWALE EXISTING STORM SEWER W/ FES

PROPOSED STORM SEWER W/ FES INLET AND STORM MANHOLE OVERLAND AND CHANNEL FLOW ARROWS CONIFEROUS AND DECIDUOUS TREE

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SURVEY MONUMENT OR LAND MONUMENT OR ACCESSORY, COMMITS A CLASS TWO

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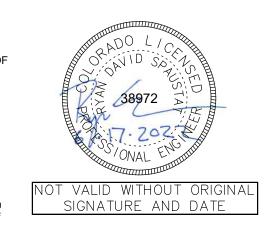
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9. THE MEASURED DISTANCES SHOWN HEREON ARE IN U.S. SURVEY FEET. 10. ALL DRIVEWAYS SHALL BE SNOWMELTED.

11. PROJECT SHALL USE ROLL OUT CURB SIDE TRASH SERVICES. 12. ALL CURB BOXES AND CLEANOUTS TO BE HOUSED IN CAST IRON COVERS.

CALL UTILITY NOTIFICATION CENTER OF COLORADO Know what's below. Call before you dig. CALL 2 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

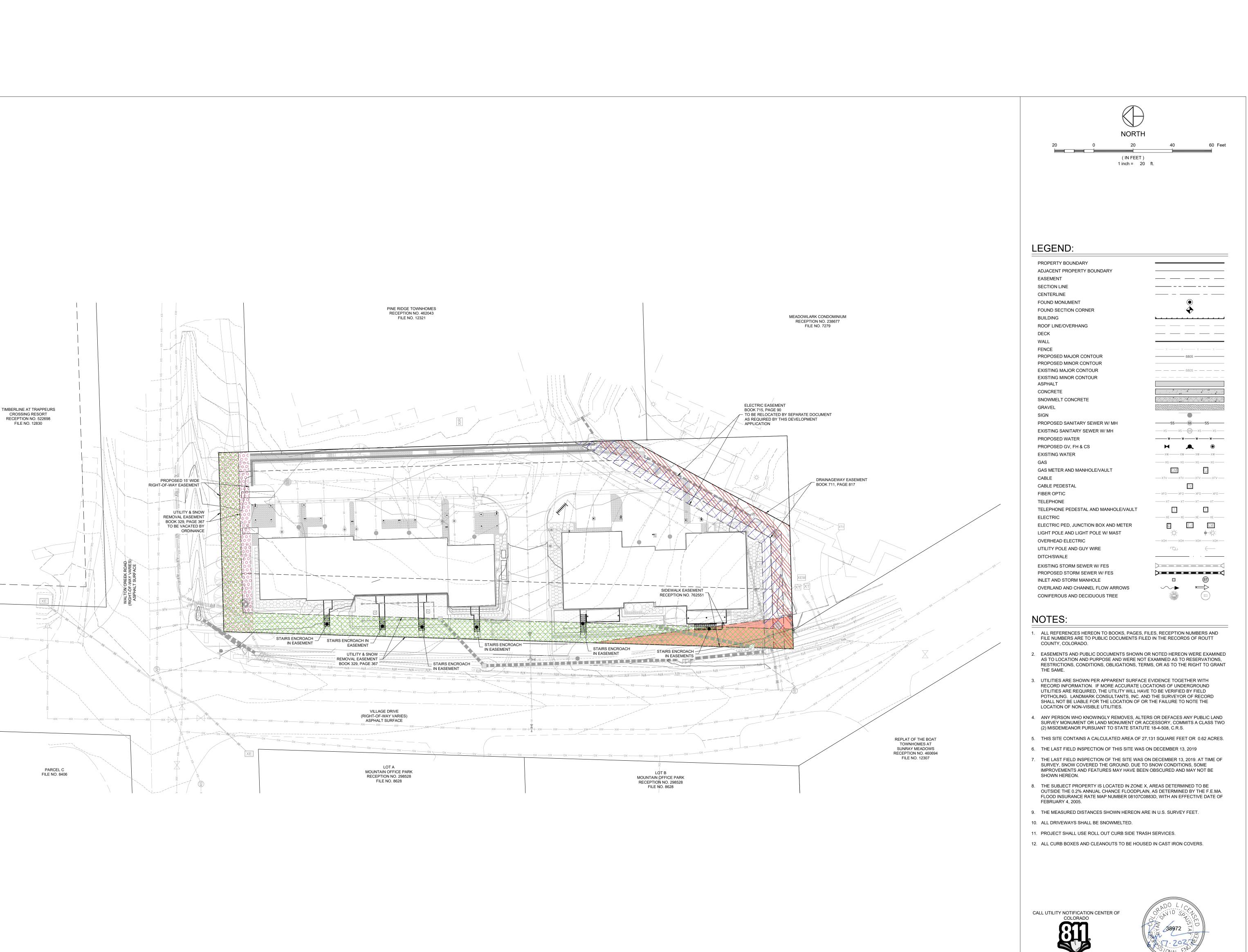


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OF SHEETS

**REVIEWED** COMPLIANCE 12/07/2022

SHEET C.101



Know what's below. Call before you dig. CALL 2 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

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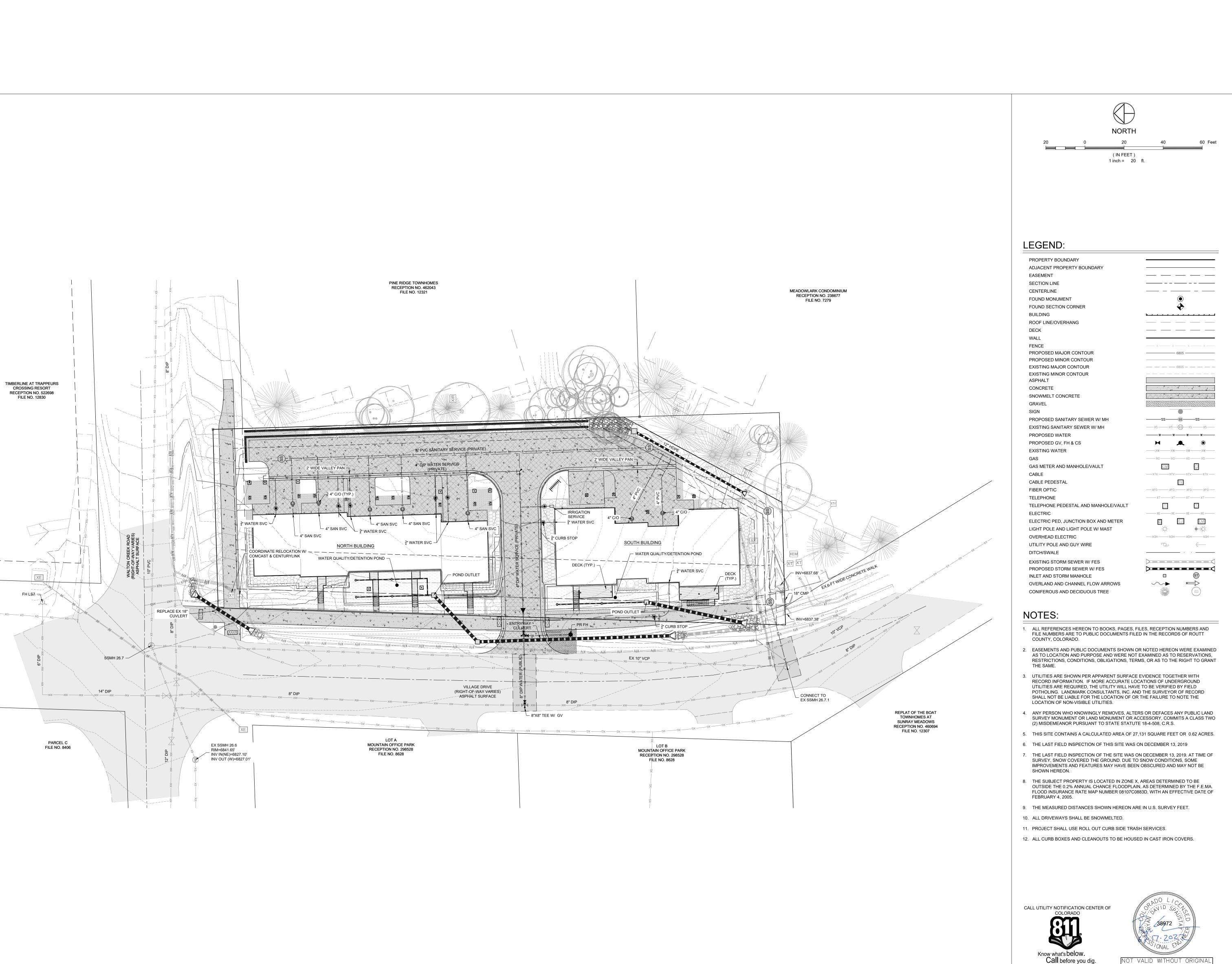
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**REVIEWED** COMPLIANCE 12/07/2022

SHEET C.102 Of Sheets



CALL UTILITY NOTIFICATION CENTER OF COLORADO  Know what's below.	38972 A STONAL ENGLISH
Call before you dig.  CALL 2 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.	NOT VALID WITHOUT ORIGIN SIGNATURE AND DATE

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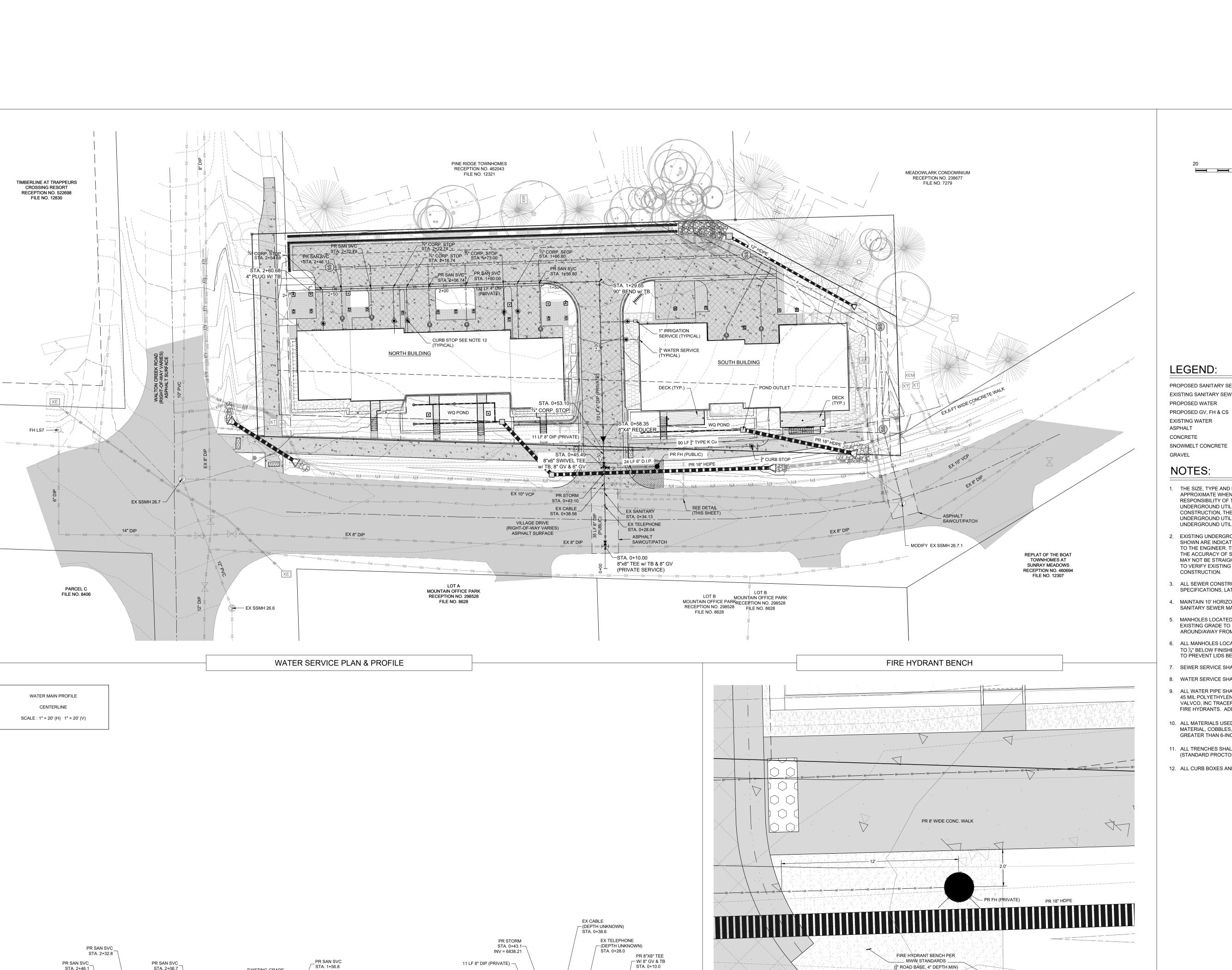
Village Dr Townhomes Civil Construction Drawings  Utility Plan	ND	2136	6/17/	Ryan Spau	EMAIL: ryans@landmark-co	
AL C.200	NS,	PROJECT:	DATE:	CONTACT:	EMAIL: ryar	
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6835

6830

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VILLAGE DRIVE

35 LF 8" DIP (PRIVATE)

output STA. 0+34.1

PR 8"X6" SWIVEL TEE ─W/ 6" GV & TB STA. 0+45.5

INV = 6828.44

STA. 2+46.1

PR WATER SVC

3/4" CORP. STOP STA. 2+32.8

PR WATER SVC

PR WATER SVC /

<sup>3</sup>/<sub>4</sub>" CORP. STOP STA. 2+54.7

4" PLUG W/ TB STA. 2+60.7

STA. 2+06.7

— EXISTING GRADE

PR WATER SVC

— PROPOSED FINISH GRADE

131 LF 4" DIP (PRIVATE) STA. 1+90.0

PR WATER SVC PR WATER SVC

<sup>3</sup>/<sub>4</sub>" CORP. STOP STA. 2+16.7 STA. 1+73.0

PR 8"X4" REDUCER

PR WATER SVC

<sup>3</sup>/<sub>4</sub>" CORP. STOP <sup>—/</sup> STA. 0+53.1

70 LF 4" DIP (PRIVATE)

PROPOSED

FINISH GRADE

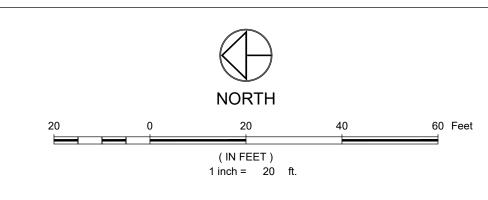
STA. 0+58.4

\_\_90° BEND W/ TB

EXISTING GRADE  $\neg$ 

STA. 1+29.6

7' MIN. COVER



## LEGEND:

PROPOSED SANITARY SEWER W/ MH & C.O. EXISTING SANITARY SEWER W/ MH & C.O. PROPOSED WATER

### NOTES:

1. THE SIZE, TYPE AND LOCATION OF ALL KNOWN UNDERGROUND UTILITIES ARE APPROXIMATE WHEN SHOWN ON THESE DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE OF ALL UNDERGROUND UTILITIES IN THE AREA OF THE WORK. BEFORE COMMENCING NEW CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL BE RESPONSIBLE FOR ALL UNKNOWN UNDERGROUND UTILITIES.

2. EXISTING UNDERGROUND AND OVERHEAD PUBLIC AND PRIVATE UTILITIES AS SHOWN ARE INDICATED ACCORDING TO THE BEST INFORMATION MADE AVAILABLE TO THE ENGINEER. THE ENGINEER DOES NOT GUARANTEE NOR IS RESPONSIBLE FO THE ACCURACY OF SUCH INFORMATION. EXISTING UTILITY MAINS AND SERVICES MAY NOT BE STRAIGHT LINES OR AS INDICATED ON THESE DRAWINGS. CONTRACTOR TO VERIFY EXISTING HORIZONTAL AND VERTICAL LOCATIONS PRIOR TO

- 3. ALL SEWER CONSTRUCTION SHALL BE PER MOUNT WERNER WATER STANDARD SPECIFICATIONS, LATEST EDITION.
- 4. MAINTAIN 10' HORIZONTAL AND 18" VERTICAL MINIMUM SEPARATION BETWEEN ALL SANITARY SEWER MAINS, WATER MAINS & SERVICES.
- MANHOLES LOCATED OUTSIDE OF THE ROADWAY SHALL PROTRUDE 1' ABOVE EXISTING GRADE TO REDUCE INFILTRATION. GRADE SURFACE TO DRAIN AROUND/AWAY FROM MANHOLE RIMS.
- 6. ALL MANHOLES LOCATED IN THE ROADWAY SHALL HAVE RIM ELEVATIONS ADJUSTED TO 1/4" BELOW FINISHED GRADE. IF NECESSARY, CONE SECTIONS SHALL BE ROTATED TO PREVENT LIDS BEING LOCATED WITHIN VEHICLE OR BICYCLE WHEEL PATHS.
- 7. SEWER SERVICE SHALL HAVE A MINIMUM OF 4-FT OF COVER.

CALL UTILITY NOTIFICATION CENTER OF

COLORADO

Know what's below.

Call before you dig.

SIGNATURE AND DATE

CALL 2 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

- 8. WATER SERVICE SHALL HAVE A MINIMUM OF 7-FT OF COVER.
- 9. ALL WATER PIPE SHALL BE INSTALLED WITH A #10 SOLID COPPER WIRE COATED WIT 45 MIL POLYETHYLENE FOR LOCATING PURPOSES. "GLENN TEST STATIONS" BY VALVCO, INC TRACER WIRE TEST STATIONS SHALL BE INSTALLED ADJACENT TO ALL FIRE HYDRANTS. ADDITIONAL LOCATIONS MAY BE REQUIRED.
- 10. ALL MATERIALS USED FOR BACKFILL SHALL BE FREE FROM REFUSE ORGANIC MATERIAL, COBBLES, BOULDERS, LARGE ROCKS OR STONES OR FROZEN SOILS GREATER THAN 6-INCHES IN DIAMETER.
- 11. ALL TRENCHES SHALL BE COMPACTED TO 95% AS DETERMINED BY ASTM D698

	(STANDARD PROCTOR) OR AS SPECIFIED BY GEOTECHNICAL ENGINEER.
12.	ALL CURB BOXES AND CLEANOUTS TO BE HOUSED IN CAST IRON COVERS.

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	These draving	provided by	Consultants, Ir to be used for	construction unless signed	Professional E	employ of La Consultant
ERGROUND UTILITIES ARE  I IT SHALL BE THE I'HE EXISTENCE OF ALL IKK. BEFORE COMMENCING NEW PONSIBLE FOR LOCATING ALL BLE FOR ALL UNKNOWN  AND PRIVATE UTILITIES AS INFORMATION MADE AVAILABLE IANTEE NOR IS RESPONSIBLE FOR JILITY MAINS AND SERVICES THESE DRAWINGS. CONTRACTOR DICATIONS PRIOR TO  WERNER WATER STANDARD  JM SEPARATION BETWEEN ALL S. HALL PROTRUDE 1' ABOVE E SURFACE TO DRAIN	DESCRIPTION:	Water and Sewer Configurations	Permit Corrections			
HAVE RIM ELEVATIONS ADJUSTED NE SECTIONS SHALL BE ROTATED	BY:	RS	RS			
OR BICYCLE WHEEL PATHS. F COVER.	DATE:	8/16/22	9/7/2022			
COVER.	NO.	_	2			
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ETERMINED BY ASTM D698 CHNICAL ENGINEER. N CAST IRON COVERS.	PROJECT:	DATE:		CONTACT:		EMAIL: ryans
		Ion Drawings			(	<u>u</u>

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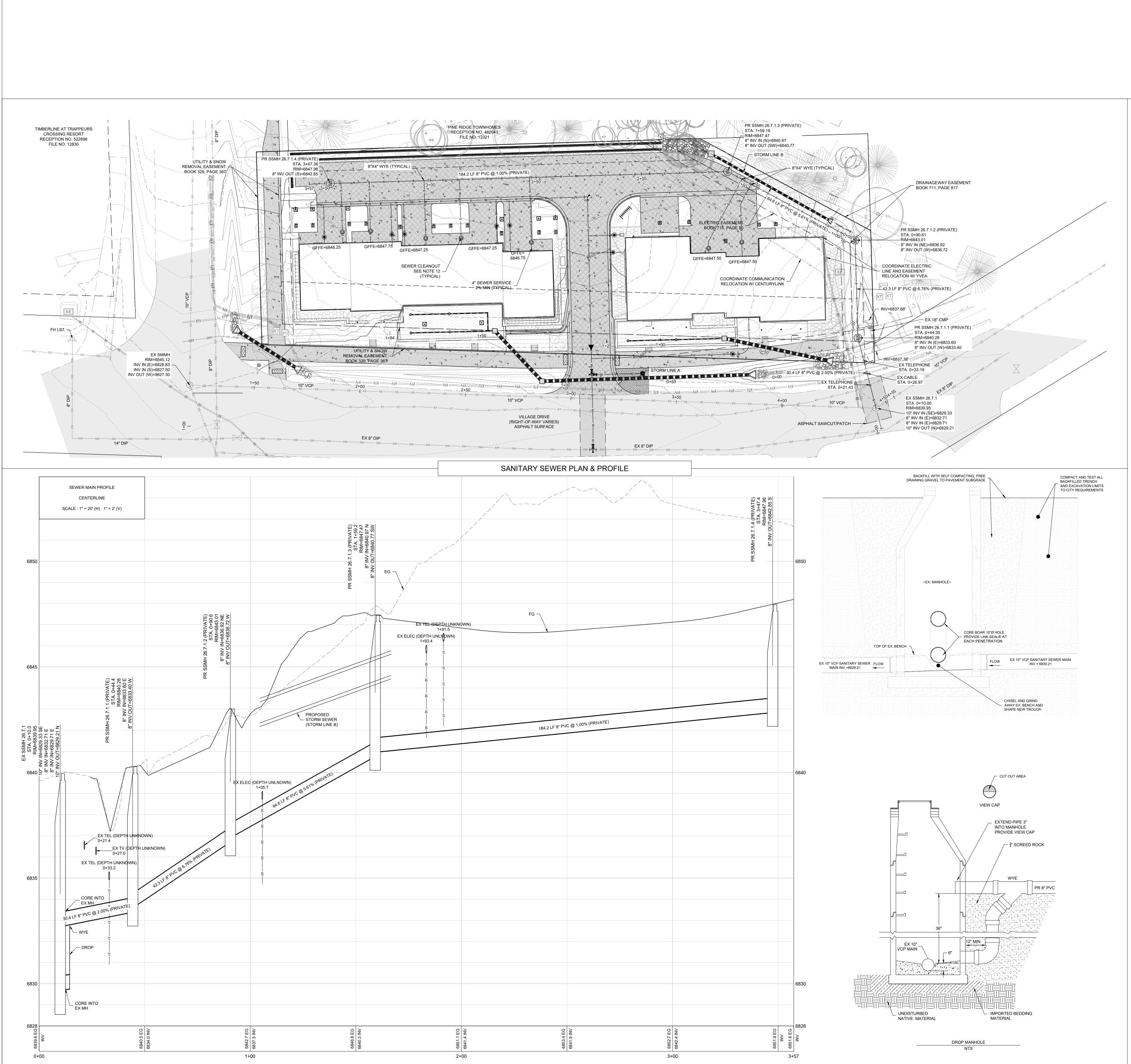
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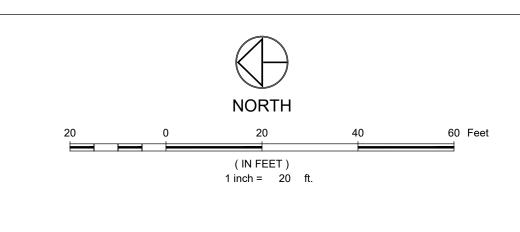
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SHEET C.210

12/07/2022





# LEGEND:

PROPOSED SANITARY SEWER W/ MH & C.O. EXISTING SANITARY SEWER W/ MH & C.O. PROPOSED WATER PROPOSED GV, FH & CS

**EXISTING WATER** ASPHALT CONCRETE SNOWMELT CONCRETE

CONSTRUCTION.

GRAVEL

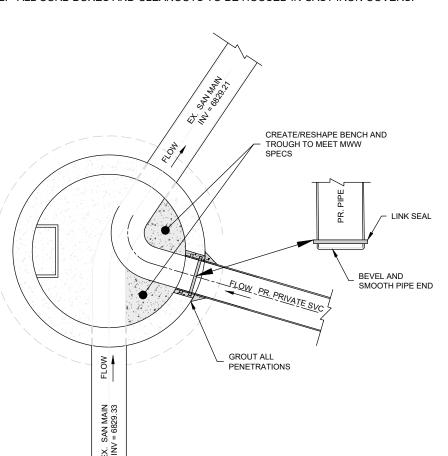
1. THE SIZE, TYPE AND LOCATION OF ALL KNOWN UNDERGROUND UTILITIES ARE APPROXIMATE WHEN SHOWN ON THESE DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE OF ALL UNDERGROUND UTILITIES IN THE AREA OF THE WORK. BEFORE COMMENCING NEW CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL BE RESPONSIBLE FOR ALL UNKNOWN UNDERGROUND UTILITIES.

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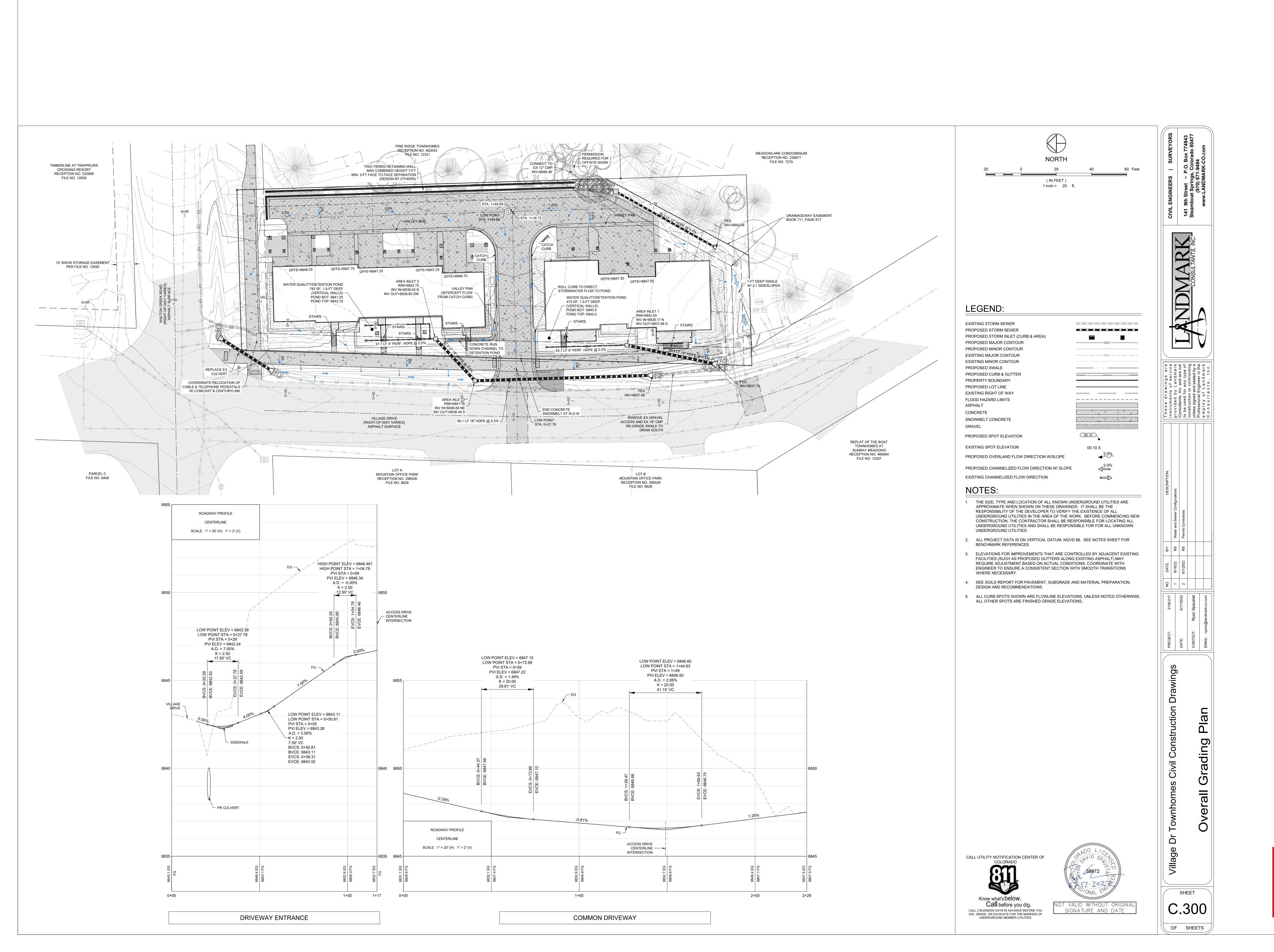
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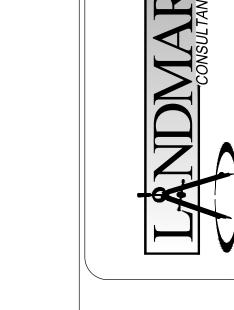
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COMPLIANCE 12/07/2022

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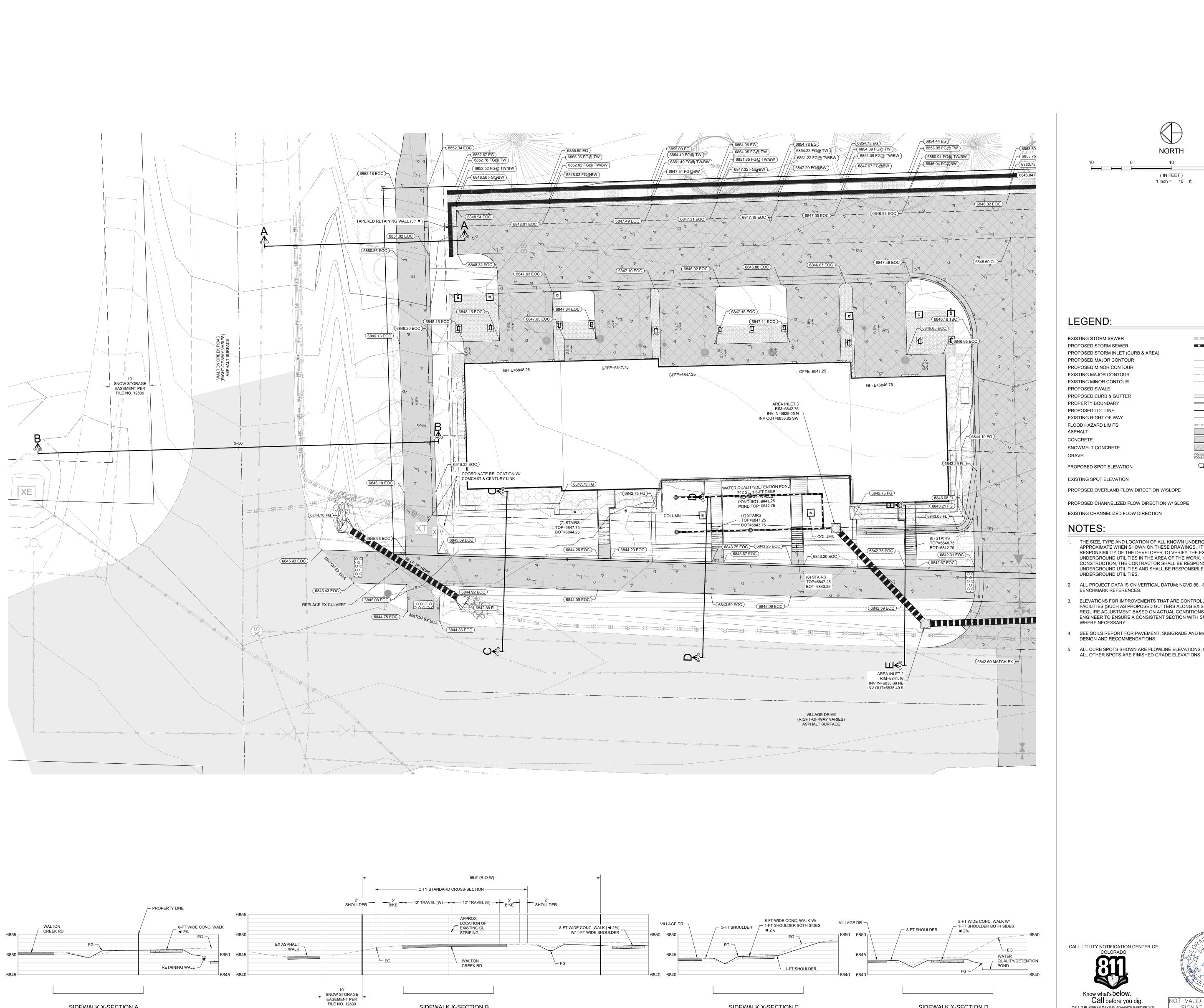




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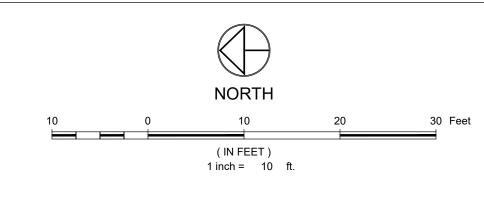


SIDEWALK X-SECTION C

SIDEWALK X-SECTION D

SIDEWALK X-SECTION B

SIDEWALK X-SECTION A



EXISTING STORM SEWER PROPOSED STORM SEWER PROPOSED MAJOR CONTOUR PROPOSED MINOR CONTOUR EXISTING MAJOR CONTOUR EXISTING MINOR CONTOUR

PROPOSED CURB & GUTTER PROPERTY BOUNDARY PROPOSED LOT LINE EXISTING RIGHT OF WAY FLOOD HAZARD LIMITS

SNOWMELT CONCRETE PROPOSED SPOT ELEVATION

EXISTING SPOT ELEVATION

PROPOSED OVERLAND FLOW DIRECTION W/SLOPE PROPOSED CHANNELIZED FLOW DIRECTION W/ SLOPE EXISTING CHANNELIZED FLOW DIRECTION

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ALL PROJECT DATA IS ON VERTICAL DATUM; NGVD 88. SEE NOTES SHEET FOR BENCHMARK REFERENCES. ELEVATIONS FOR IMPROVEMENTS THAT ARE CONTROLLED BY ADJACENT EXISTING

- FACILITIES (SUCH AS PROPOSED GUTTERS ALONG EXISTING ASPHALT) MAY REQUIRE ADJUSTMENT BASED ON ACTUAL CONDITIONS. COORDINATE WITH ENGINEER TO ENSURE A CONSISTENT SECTION WITH SMOOTH TRANSITIONS WHERE NECESSARY.
- SEE SOILS REPORT FOR PAVEMENT, SUBGRADE AND MATERIAL PREPARATION, DESIGN AND RECOMMENDATIONS. 5. ALL CURB SPOTS SHOWN ARE FLOWLINE ELEVATIONS, UNLESS NOTED OTHERWISE.

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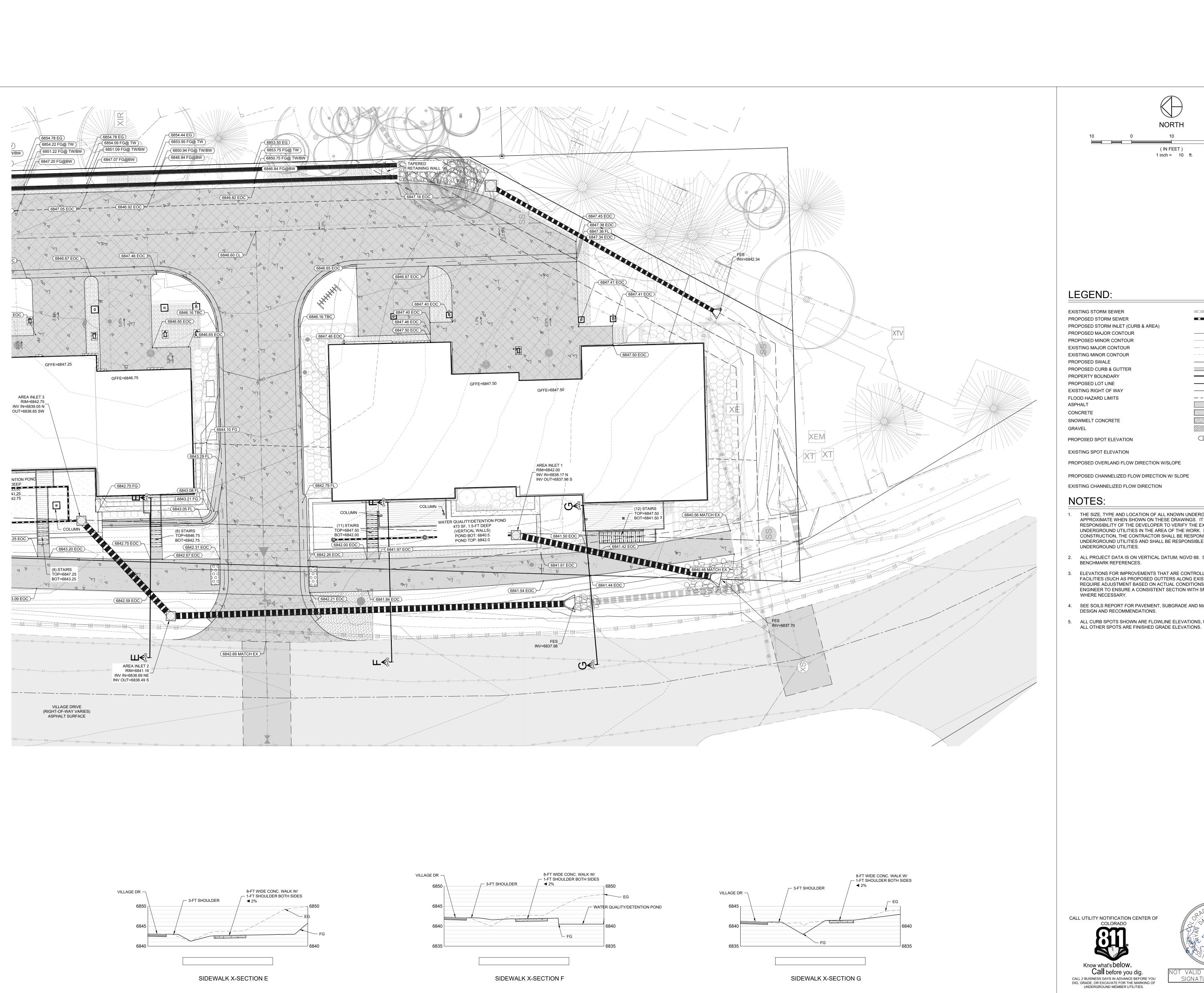
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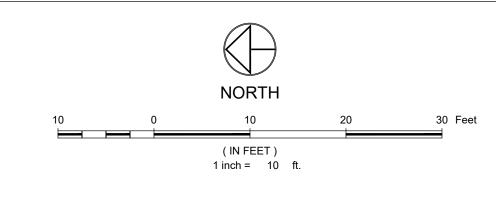
CALL 2 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

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12/07/2022





LEGEND:

EXISTING STORM SEWER PROPOSED STORM SEWER PROPOSED MAJOR CONTOUR PROPOSED MINOR CONTOUR EXISTING MAJOR CONTOUR EXISTING MINOR CONTOUR PROPOSED SWALE

PROPOSED CURB & GUTTER PROPERTY BOUNDARY PROPOSED LOT LINE EXISTING RIGHT OF WAY FLOOD HAZARD LIMITS CONCRETE

SNOWMELT CONCRETE PROPOSED SPOT ELEVATION

EXISTING SPOT ELEVATION PROPOSED OVERLAND FLOW DIRECTION W/SLOPE

PROPOSED CHANNELIZED FLOW DIRECTION W/ SLOPE EXISTING CHANNELIZED FLOW DIRECTION

COLORADO

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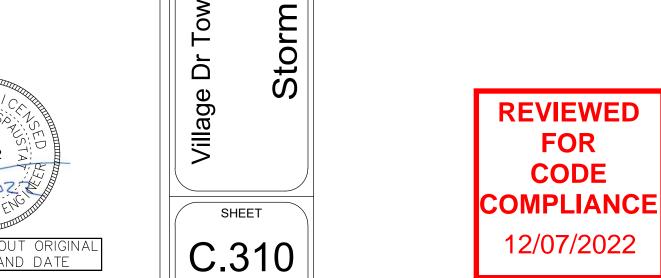
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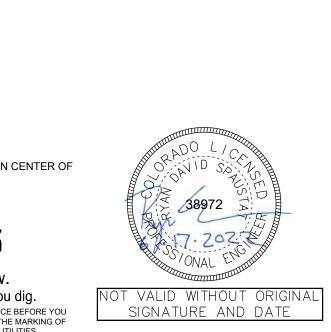


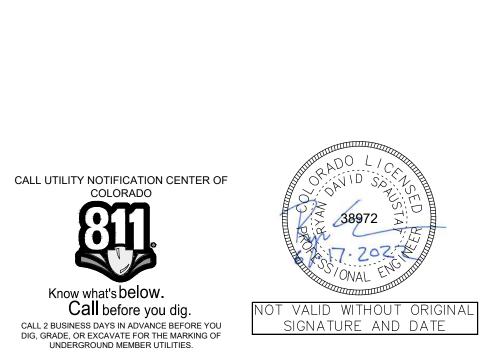


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(IN FEET) 1 inch = 20 ft.

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LEGEND:

PROPOSED WATER PROPOSED GV, FH & CS

**EXISTING WATER** 

SNOWMELT CONCRETE

ASPHALT CONCRETE

GRAVEL

PROPOSED SANITARY SEWER W/ MH & C.O.

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SHOWN ARE INDICATED ACCORDING TO THE BEST INFORMATION MADE AVAILABLE

THE ACCURACY OF SUCH INFORMATION. EXISTING UTILITY MAINS AND SERVICES

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MAY NOT BE STRAIGHT LINES OR AS INDICATED ON THESE DRAWINGS. CONTRACTOR

EXISTING SANITARY SEWER W/ MH & C.O.

UNDERGROUND UTILITIES.

SPECIFICATIONS, LATEST EDITION.

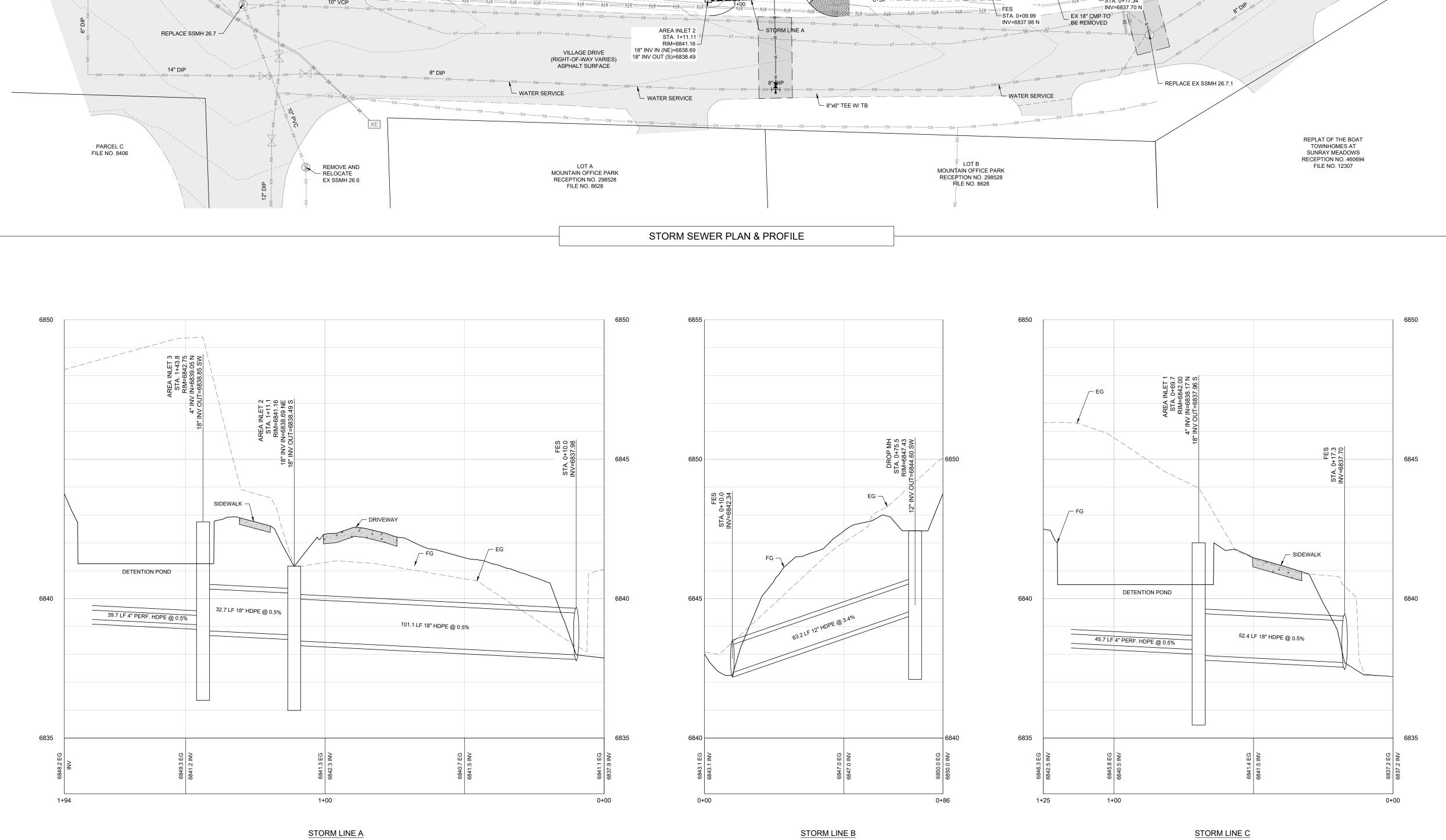
AROUND/AWAY FROM MANHOLE RIMS.

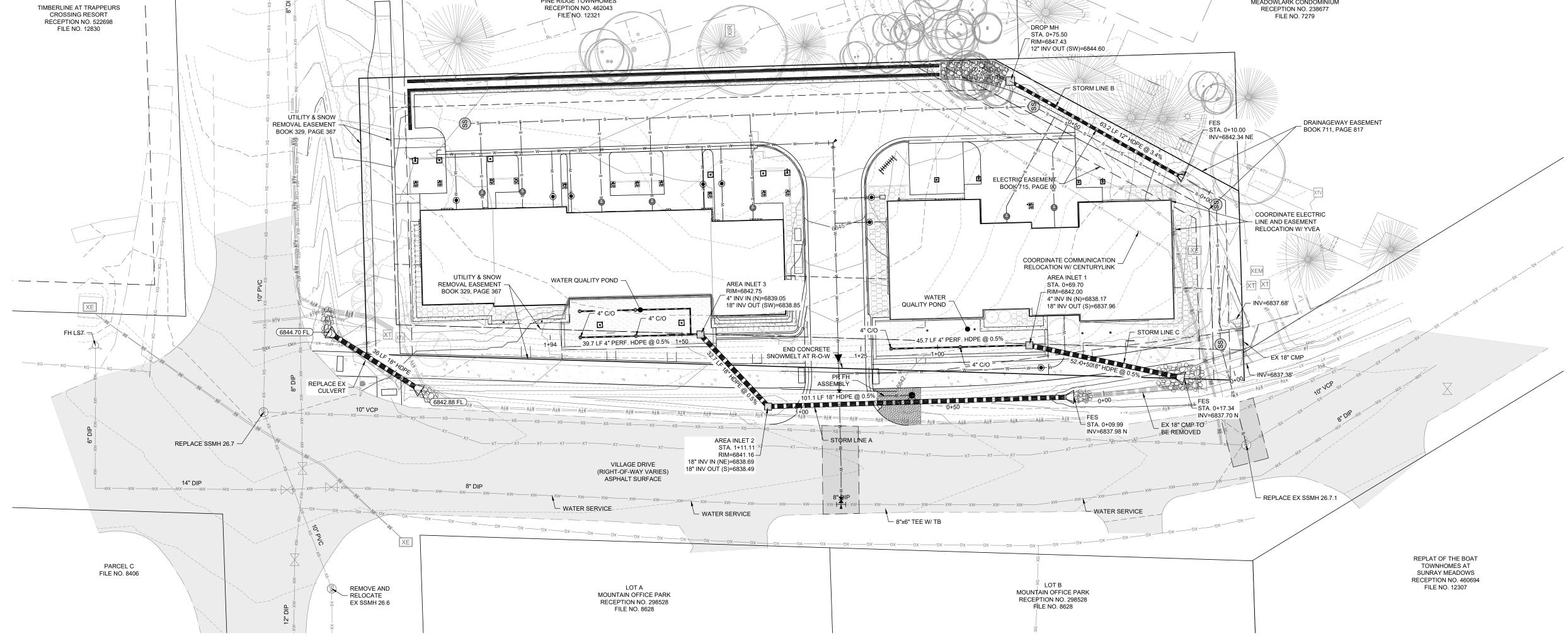
GREATER THAN 6-INCHES IN DIAMETER.

SANITARY SEWER MAINS, WATER MAINS & SERVICES.

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FIRE HYDRANTS. ADDITIONAL LOCATIONS MAY BE REQUIRED.

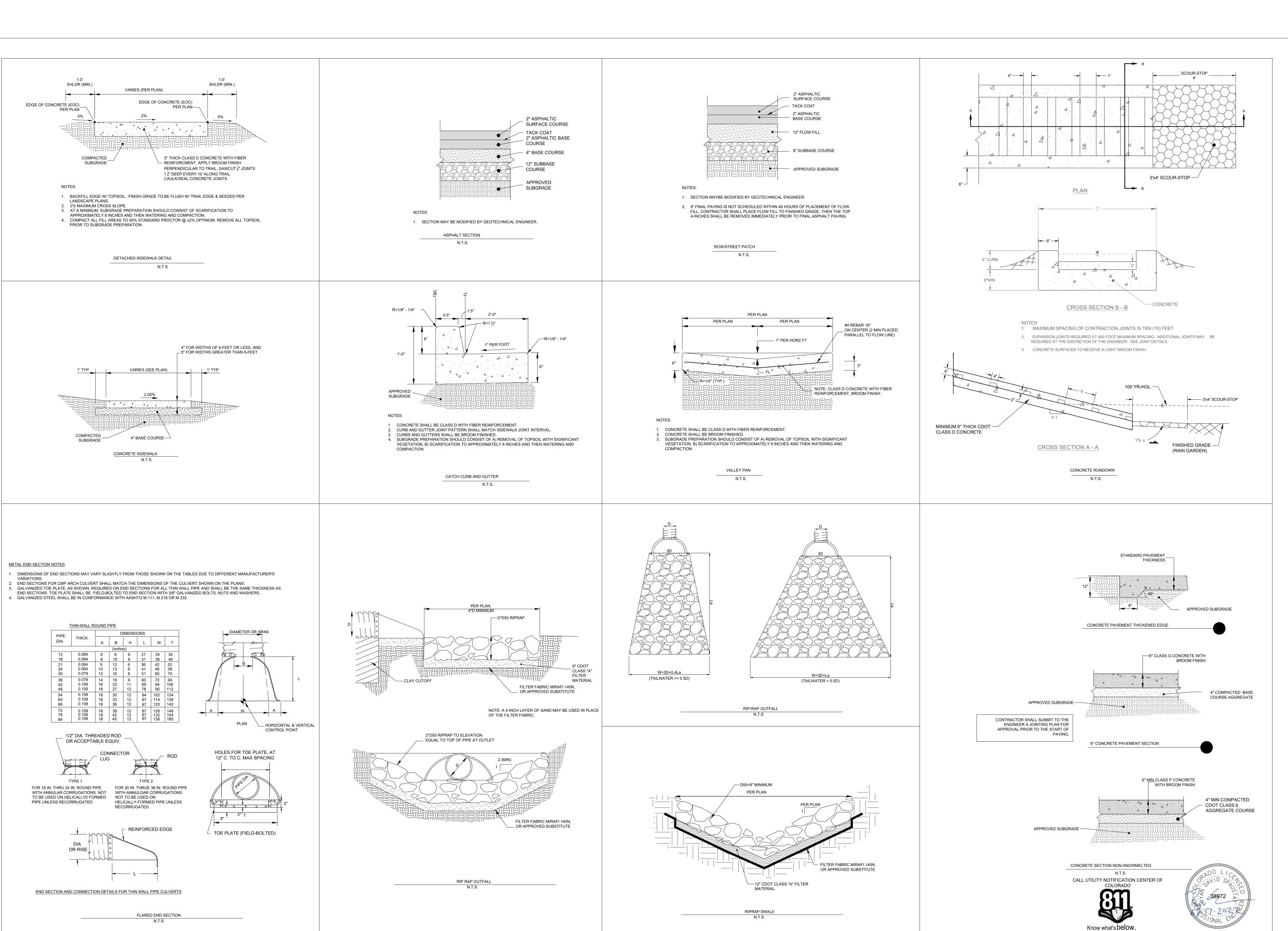


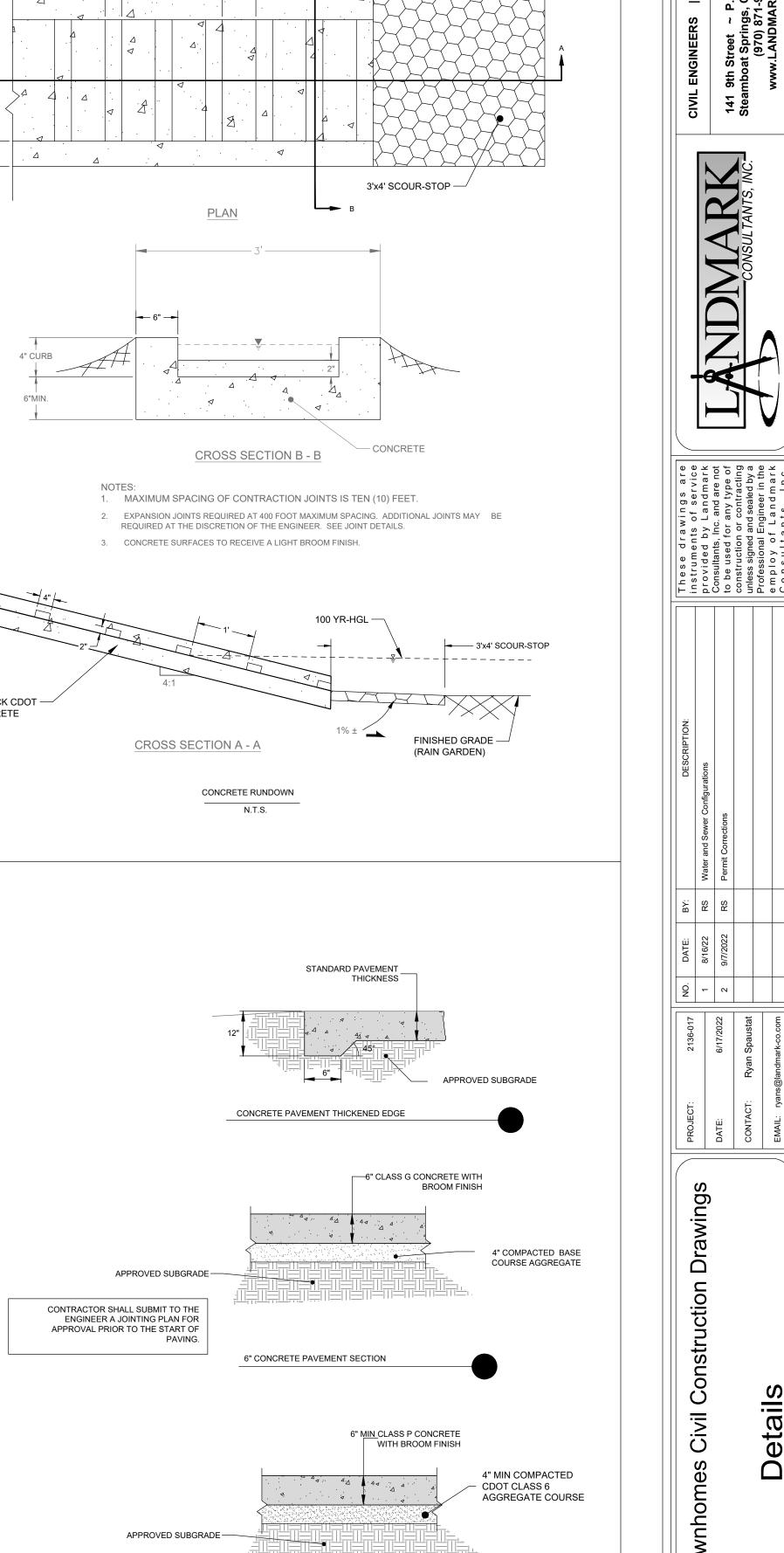


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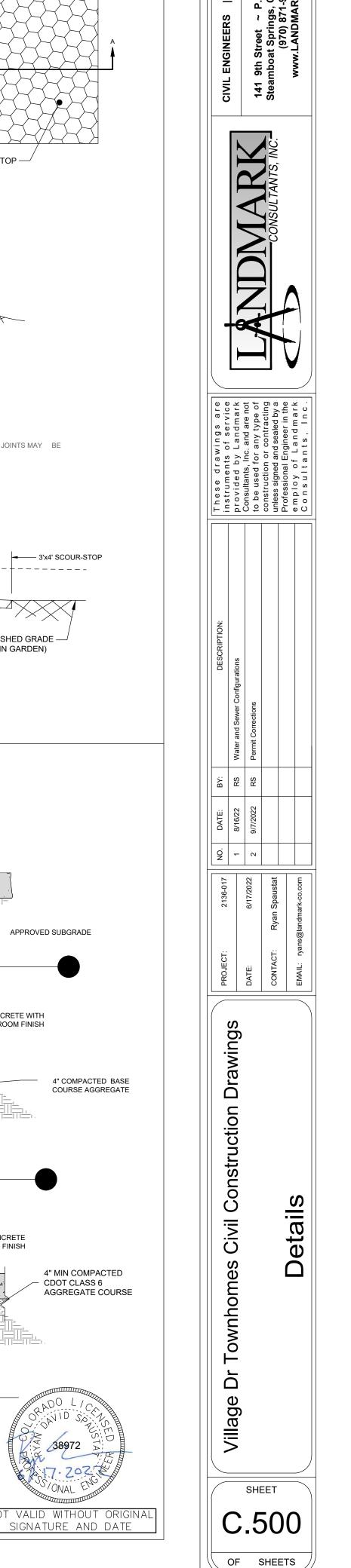
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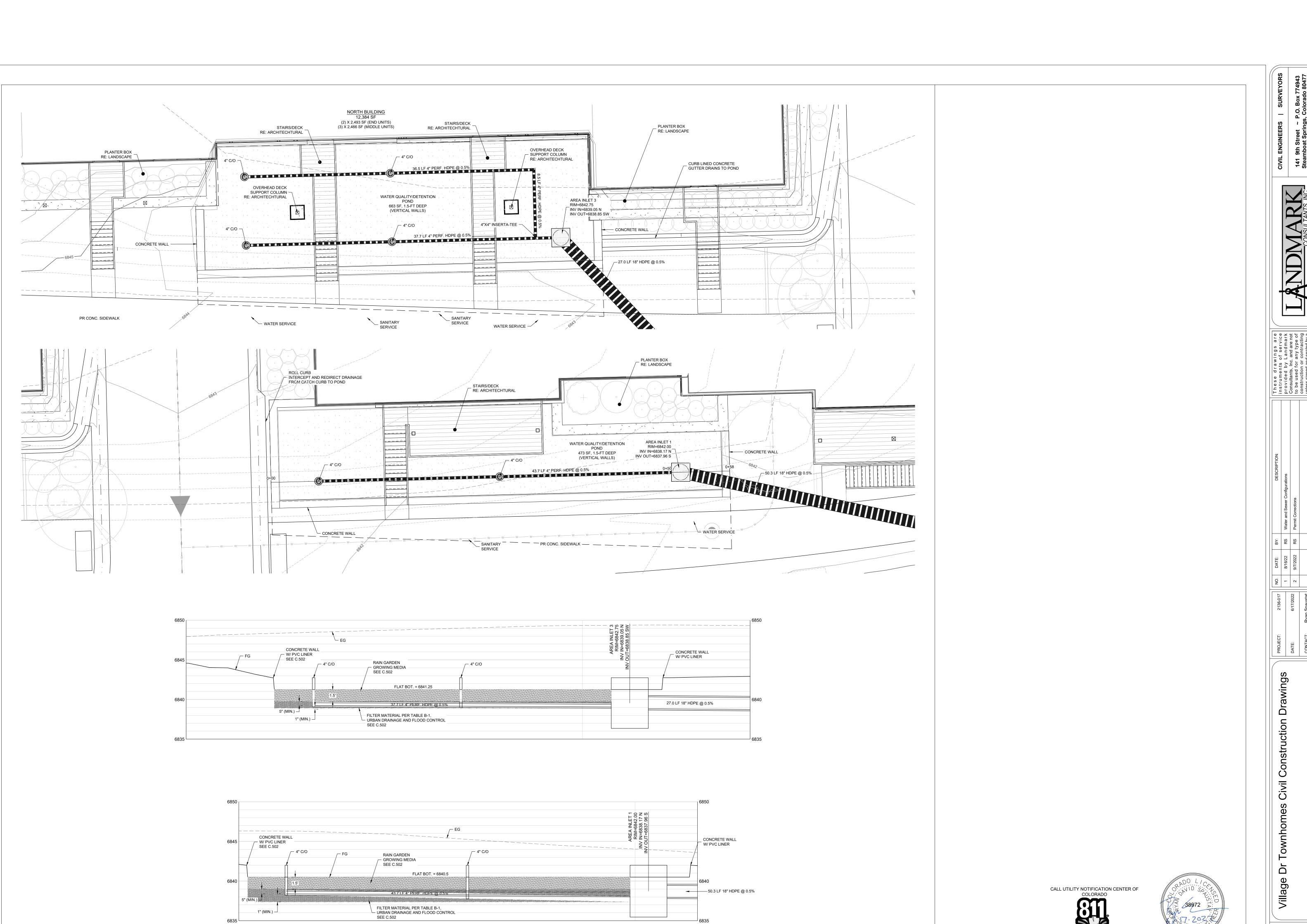
Call before you dig.

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12/07/2022

SHEET C.500



SHEET DT VALID WITHOUT ORIGINA SIGNATURE AND DATE C.501 OF SHEETS

Know what's below.
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CODE 12/07/2022

COMPLIANCE

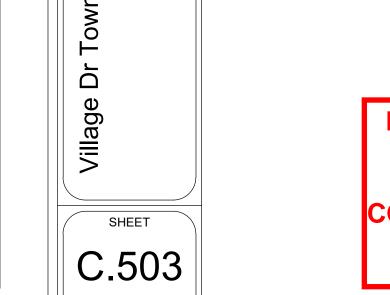
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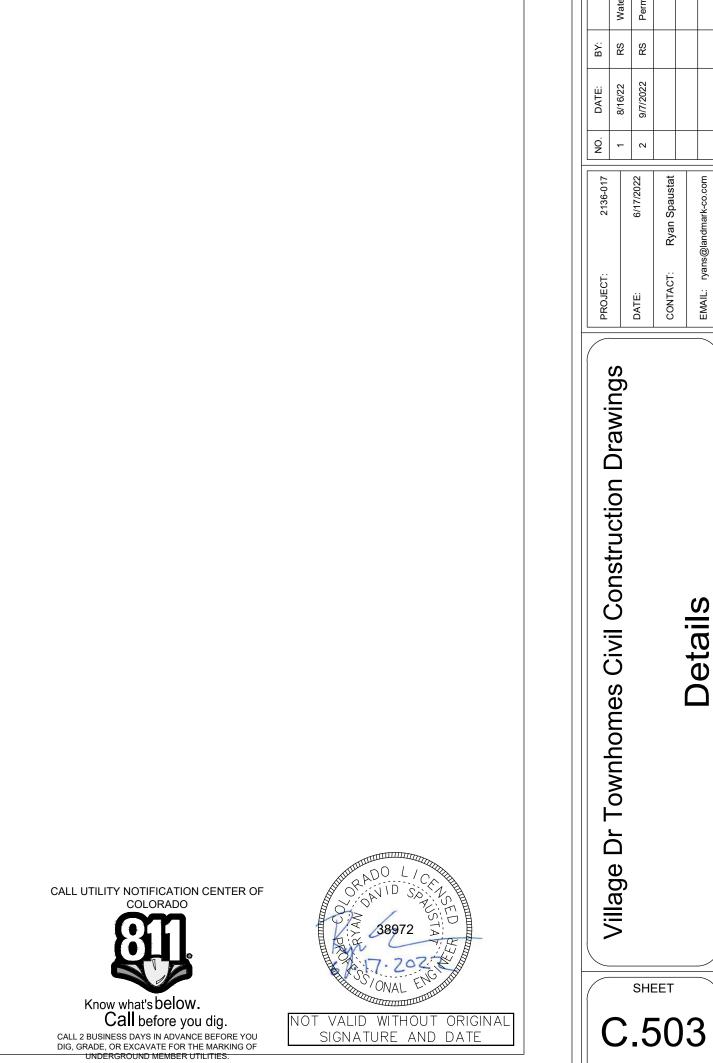
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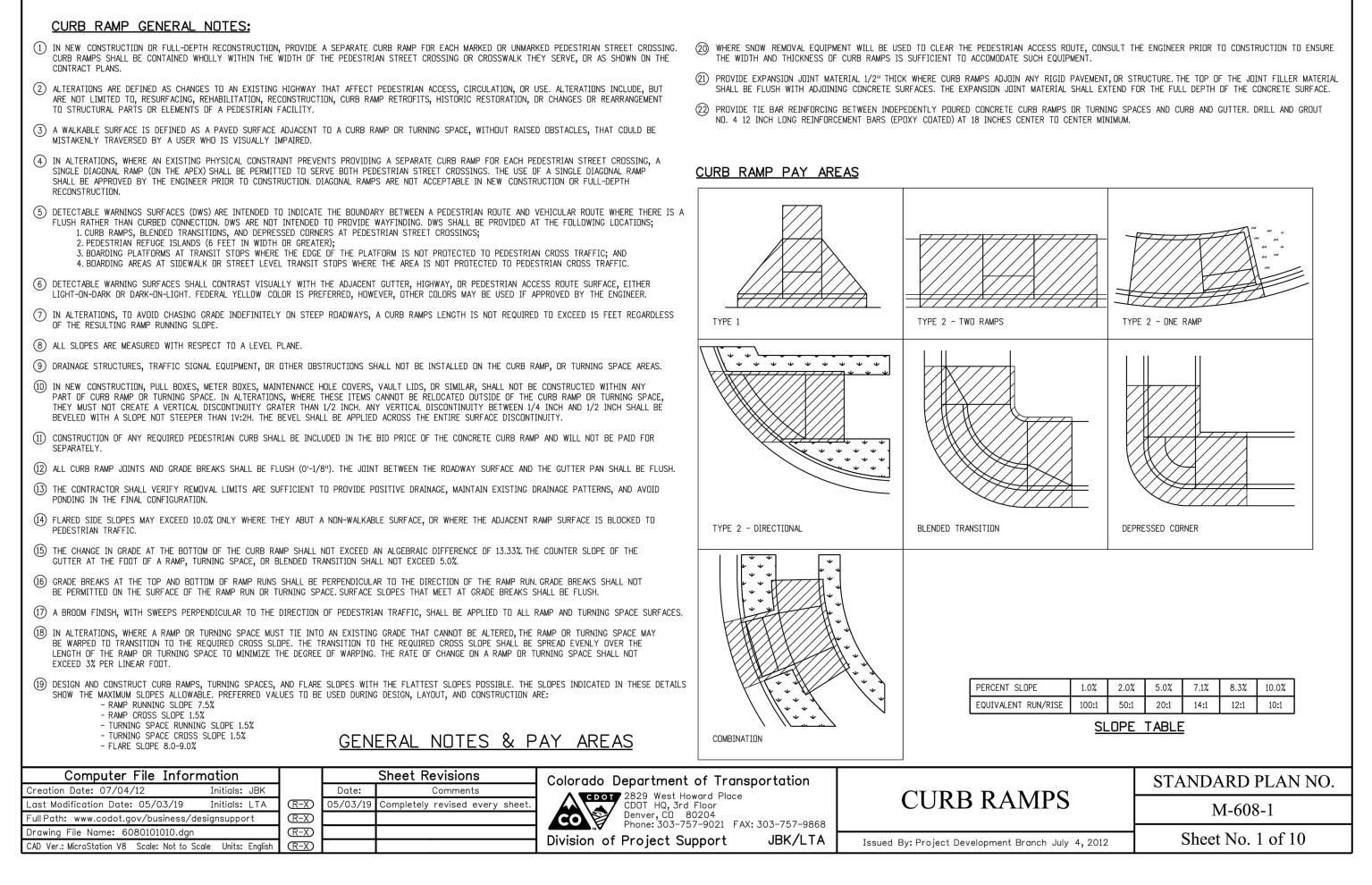
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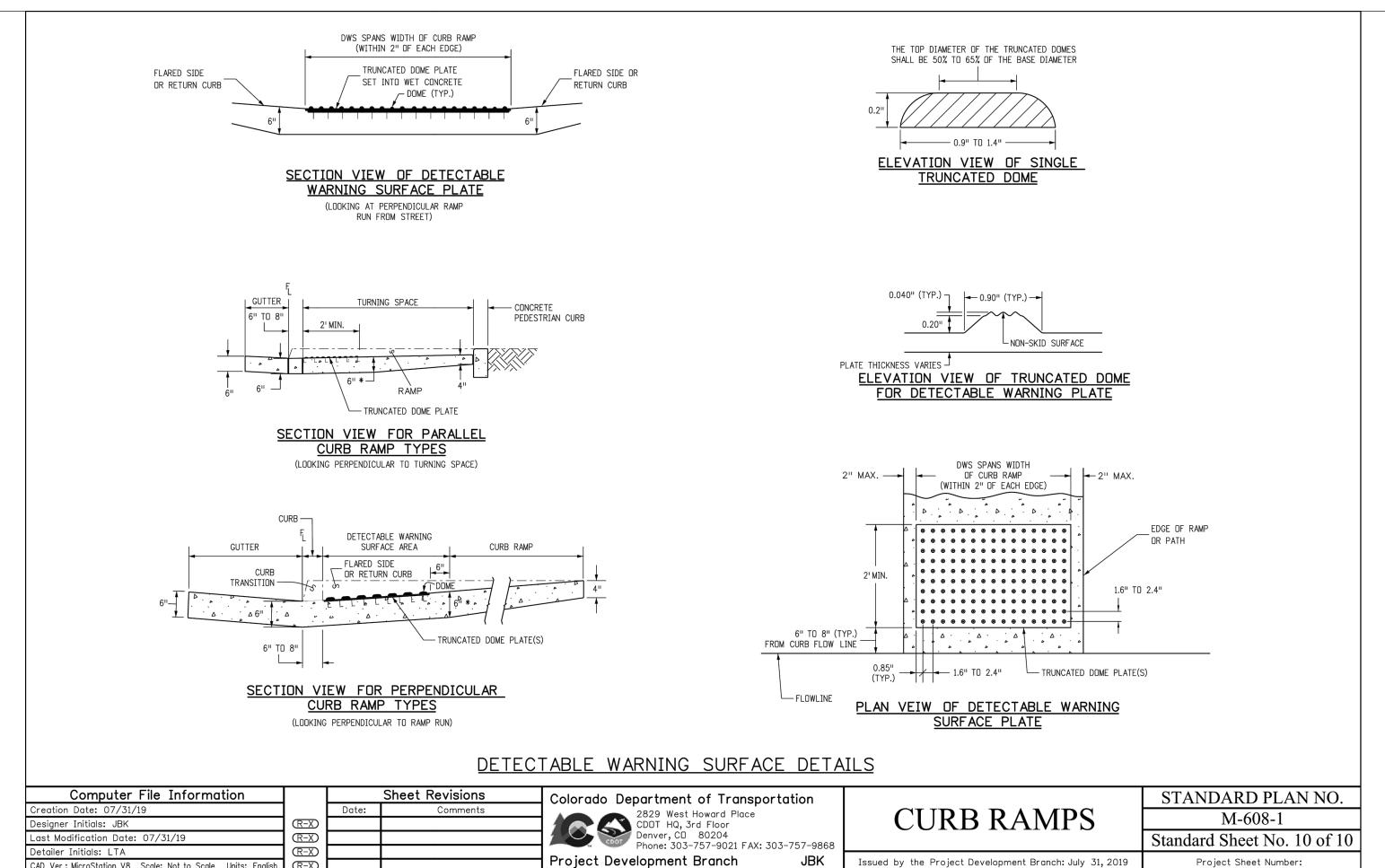


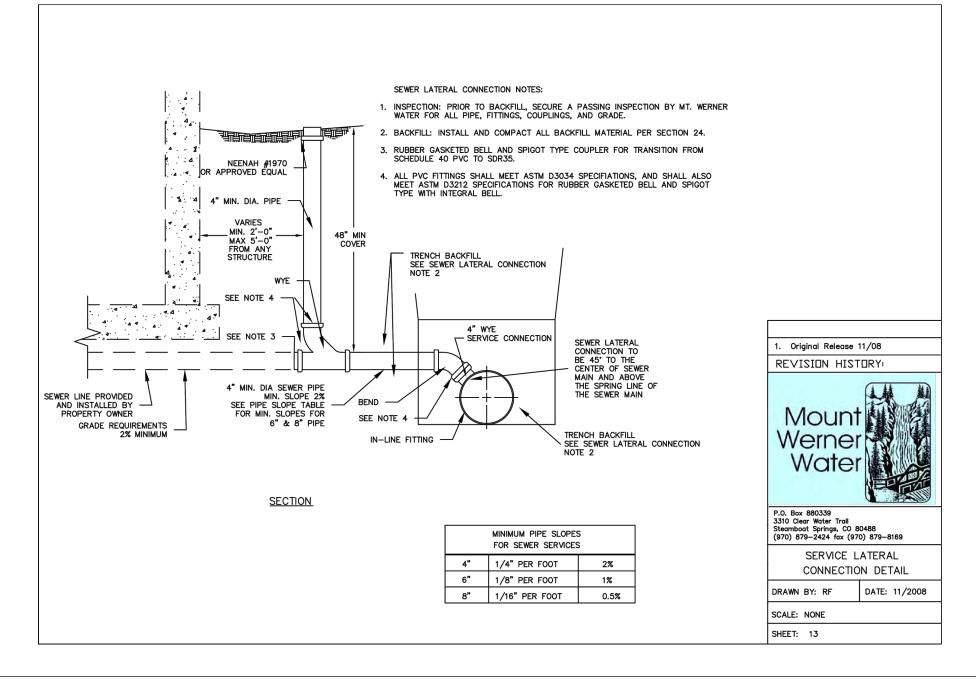


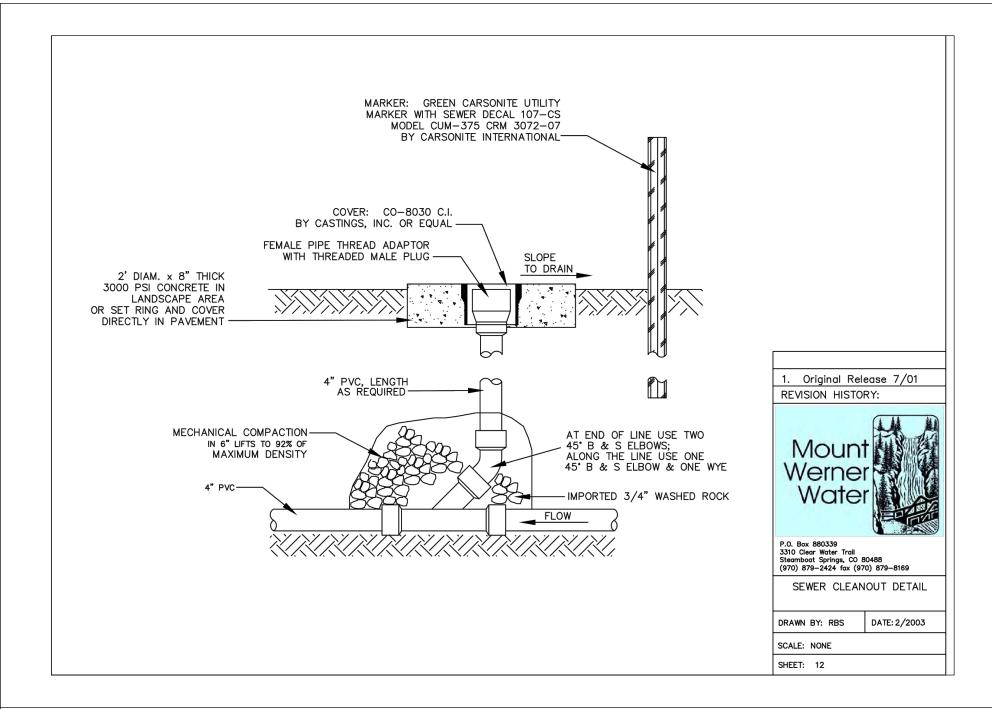
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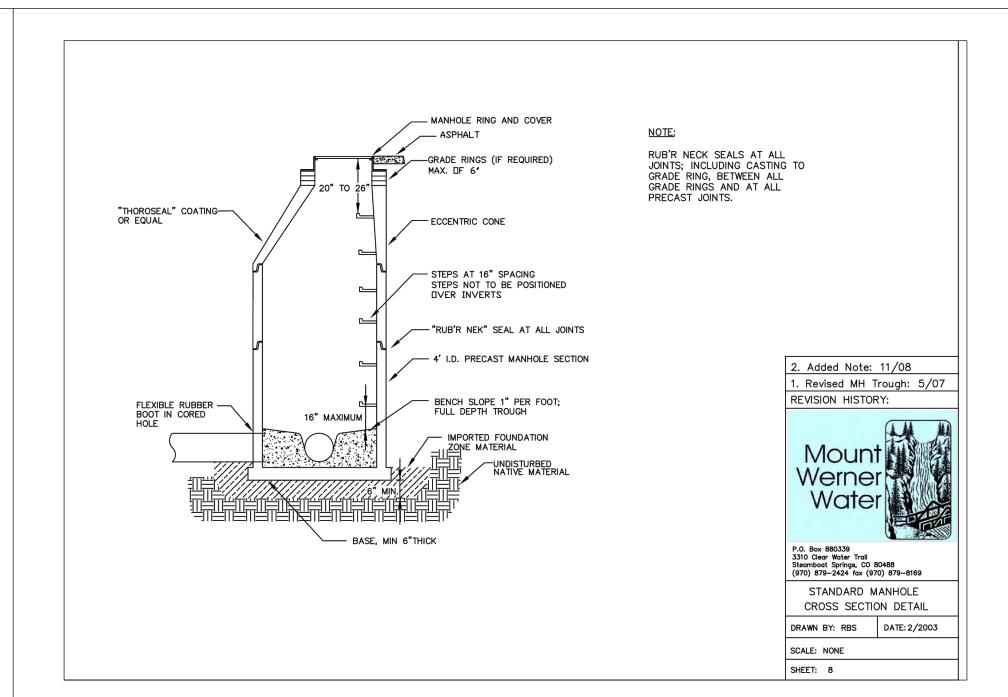


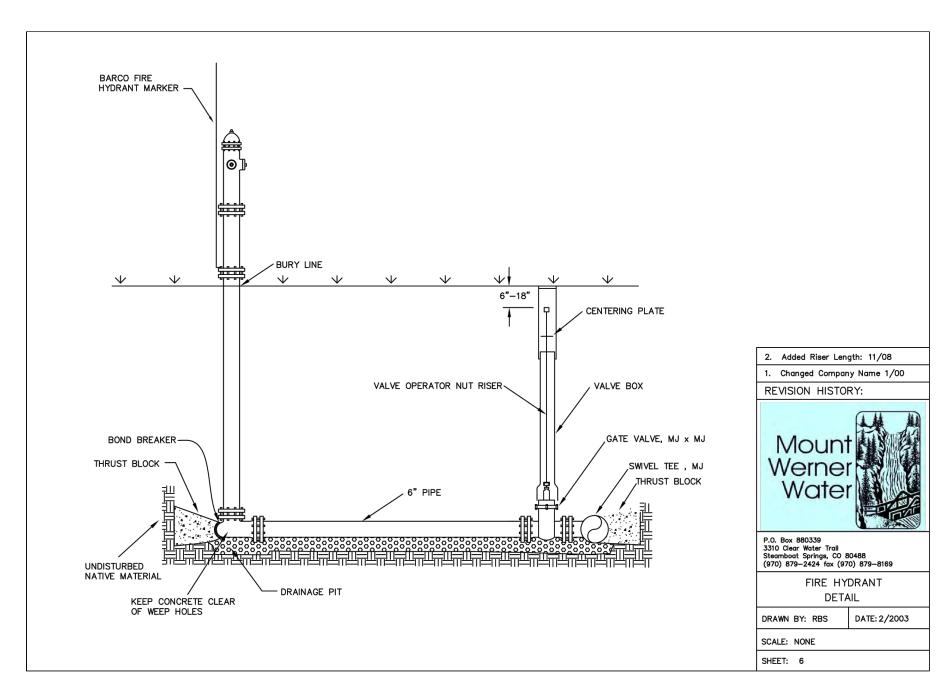


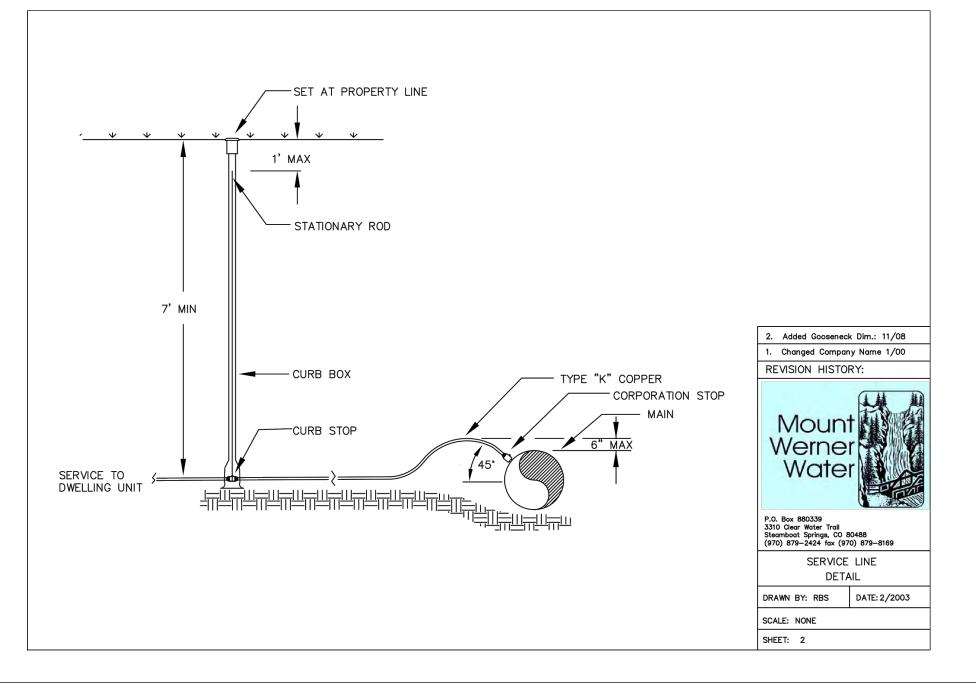


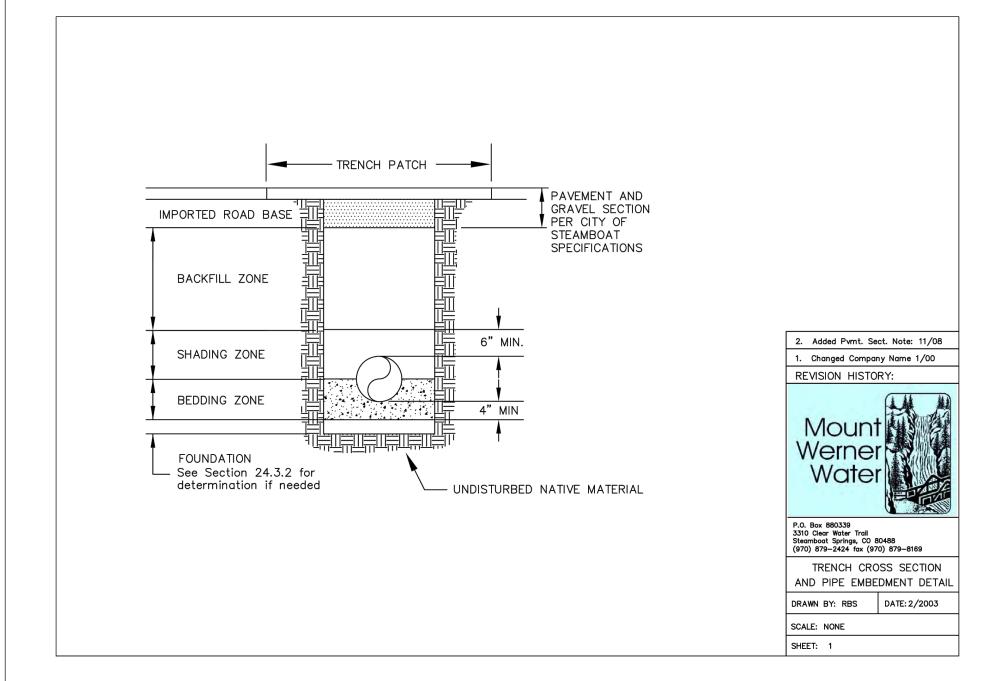


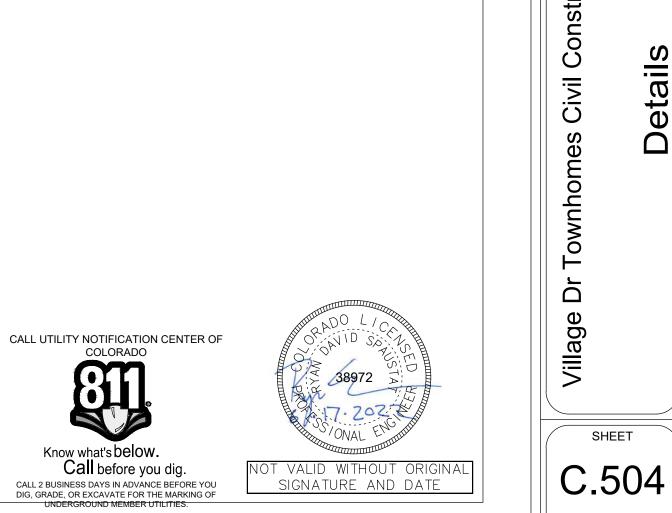












Village Dr Townhomes Civil Construction Drawings  Details	PROJECT: 2136-017 NO. DATE: BY:	DATE: 6/17/2022 2 9/7/2022 RS	CONTACT: Ryan Spaustat	EMAIL: ryans@landmark-co.com	

OF SHEETS

COMPLIANCE 12/07/2022

SHEET

C.504 Of Sheets

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