PRIVATE SANITARY SEWER IMPROVEMENT PLANS FOR

THE VILLAGE AT COFFMAN PARK

DISCOVERY BLVD

CITY OF DUBLIN, OHIO

2016

BENCH MARKS

ELEVATIONS SHOWN HEREON ARE BASED ON GPS OBSERVATIONS IN CONJUNCTION WITH THE OHIO DEPARTMENT OF TRANSPORTATION VRS NETWORK, BEING THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

BM #1

NORTH BOLT IN TOP PLATE OF FIRE HYDRANT, 1230 FEET EAST OF THE CENTERLINE OF DISCOVERY BOULEVARD, 16 FEET SOUTH OF THE CENTERLINE OF POST ROAD.

ELEV.=898.09'

BM #2

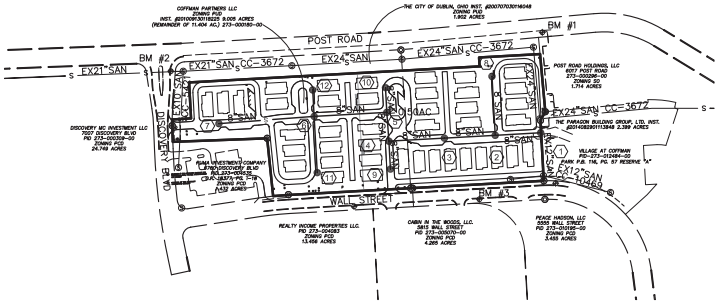
NORTH BOLT IN TOP PLATE OF FIRE HYDRANT, 32 FEET EAST OF THE CENTERLINE OF DISCOVERY BOULEVARD, 16 FEET SOUTH OF THE CENTERLINE OF POST ROAD.

ELEV.= 909.88'

BM #3

NORTH BOLT IN TOP PLATE OF FIRE HYDRANT, 1000 FEET EAST OF THE CENTERLINE OF DISCOVERY BOULEVARD, 18 FEET SOUTH OF THE CENTERLINE OF WALL STREET.

ELEV.=904.43'



INDEX MAP/TRIBUTARY BOUNDARY MAP = 9.00 AC

SCALE: 1" = 200'

LOCATION MAP

SCALE: 1" = 2000'

SURVEYOR

AMERICAN LAND SURVEYORS, LLC.
ATTN: JON (BRETT) ADCOCK
1346 HEMLOCK COURT
LANCASTER, OHIO 43130
P: 614-837-0800
F: 740-415-6599

DEVELOPER

ROMANELLI & HUGHES BUILDING COMPANY
ATTN: TONY ROMANELLI
148 WEST SCHROCK ROAD
WESTERVILLE, OHIO 43081
P: 614.891.2042
F: 614.891.2045

STANDARD DRAWINGS

THE FOLLOWING STANDARD DRAWINGS SHALL BE CONSIDERED A PART OF THIS PLAN:

CITY OF DUBLIN (2014 EDITION)	CITY OF COLUMBUS (2014 EDITION)
SA-01	AA-S102
SA-02	AA-S110
SA-03	AA-S150
	AA-S160

SHEET INDEX

1	COVER SHEET
2	GENERAL NOTES AND QUANTITIES
3	DETAILS
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APPROVALS:

CITY OF DUBLIN:
THE SIGNATURES BELOW SIGNIFY ONLY CONCURRENCE WITH THE GENERAL PURPOSES AND GENERAL LOCATION OF THE PROJECT. ALL TECHNICAL DETAILS REMAIN THE RESPONSIBILITY OF THE PROFESSIONAL CIVIL ENGINEER PREPARING THE PLANS.

CITY ENGINEER, CITY OF DUBLIN, OHIO — DATE
PAUL A. HAMMERSMITH, P.E.

CITY OF COLUMBUS:
APPROVAL ON THE PART OF THE CITY OF COLUMBUS IS GIVEN PURSUANT TO THE PROVISIONS OF THE SEWER SERVICE AGREEMENT WITH THE CITY OF DUBLIN, OHIO APRIL 13, 1993 AND ALL SUBSEQUENT AMENDMENTS THEREOF.

THE SIGNATURES BELOW SIGNIFY ONLY CONCURRENCE WITH THE GENERAL PURPOSES AND GENERAL LOCATION OF THE PROJECT. ALL TECHNICAL DETAILS REMAIN THE RESPONSIBILITY OF THE ENGINEER PREPARING THE PLANS.

"THIS SANITARY SEWER MEETS OR EXCEEDS THE CITY OF COLUMBUS DESIGN STANDARDS (INCLUDING PER CAPITA FLOW, PEAKING FACTOR, AND I/I ALLOWANCE) AND MATERIAL SPECIFICATIONS."

ADMINISTRATOR, DIVISION OF SEWERAGE & DRAINAGE — DATE
CITY OF COLUMBUS, OHIO

DIRECTOR, DEPARTMENT OF PUBLIC UTILITIES — DATE
CITY OF COLUMBUS, OHIO

NOTE:
SITE WAS PREVIOUSLY DESIGNED UNDER CC-14683, BUT WAS NOT BUILT.

OHIO Utilities Protection SERVICE
811 or 1-800-362-2764 Call Before You Dig

DUBLIN CC-17271 PM 735 SEWERS

GRAPHIC SCALE
200 100 0 200
(IN FEET)
1 inch = 200 ft.

CHANGE ORDER SCHEDULE

#	DESCRIPTION OF CHANGE	BY	DATE

TerrainEvolution
Your bridge between Vision and Success
720 East Broad Street | Suite 203 | Columbus, OH 43215
P: 614.385.1090 | F: 614.385.1085 | E: info@terrainevolution.com

CITY OF DUBLIN, OHIO
THE VILLAGE AT COFFMAN PARK
SECTION 3
COVER SHEET

DRAWING SET STATUS:
- ☐ PRELIMINARY ENGINEERING SET
- ■ AGENCY REVIEW SET
- ☐ CONSTRUCTION DOCUMENT SET
- ☐ ASBUILT DOCUMENT SET

DESIGN	DRAFT	CHECK
MSW	CMK	TRR

PROJECT NO.: 13009
DATE: NOVEMBER, 2015
SCALE: HORIZONTAL: 1" = 200' VERTICAL: N/A
SHEET NO.: 1/8

GENERAL NOTES

1. CITY OF COLUMBUS AND OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS, CURRENT EDITIONS, AND ANY SUPPLEMENTS THERETO (HEREAFTER REFERRED TO AS STANDARD SPECIFICATIONS), SHALL GOVERN ALL CONSTRUCTION ITEMS UNLESS OTHERWISE NOTED. IF A CONFLICT BETWEEN SPECIFICATIONS IS FOUND, THE MORE STRICT SPECIFICATION WILL APPLY AS DECIDED BY THE CITY ENGINEER. ITEM NUMBERS LISTED REFER TO CITY OF COLUMBUS ITEM NUMBERS UNLESS OTHERWISE NOTED.

2. THE CITY ENGINEER WILL NOT BE RESPONSIBLE FOR MEANS, METHODS, PROCEDURES, TECHNIQUES, OR SEQUENCES OF CONSTRUCTION THAT ARE NOT SPECIFIED HEREIN. THE CITY ENGINEER WILL NOT BE RESPONSIBLE FOR SAFETY ON THE WORK SITE, OR FOR FAILURE BY THE CONTRACTOR TO PERFORM WORK ACCORDING TO CONTRACT DOCUMENTS.

3. THE DEVELOPER OR CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS INCLUDING BUT NOT LIMITED TO OHIO EPA PERMITS TO INSTALL (PTI) AND NOTICES OF INTENT (NOI), BUILDING PERMITS, ETC.

4. THE CONTRACTOR SHALL NOTIFY THE CITY OF DUBLIN DIVISION OF ENGINEERING IN WRITING AT LEAST 3 WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION.

5. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL, STATE AND LOCAL SAFETY REQUIREMENTS INCLUDING THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970. THE CONTRACTOR SHALL EXERCISE PRECAUTION ALWAYS FOR THE PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY. IT SHALL ALSO BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INITIATE, MAINTAIN AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, INCLUDING THE REQUIREMENTS FOR CONFINED SPACES PER 29 CFR 1910.146.

6. FOLLOWING COMPLETION OF CONSTRUCTION OF THE SITE IMPROVEMENTS AND BEFORE REQUESTING OCCUPANCY, A PROOF SURVEY SHALL BE PROVIDED TO THE DIVISION OF ENGINEERING THAT DOCUMENTS "AS-BUILT" ELEVATIONS, DIMENSIONS, SLOPES AND ALIGNMENTS OF ALL ELEMENTS OF THIS PROJECT. THE PROOF SURVEY SHALL BE PREPARED, SIGNED AND SUBMITTED BY THE PROFESSIONAL ENGINEER WHO SEALED THE CONSTRUCTIONS DRAWINGS.

7. THE CONTRACTOR SHALL RESTRICT CONSTRUCTION ACTIVITY TO PUBLIC RIGHT-OF-WAY AND AREAS DEFINED AS PERMANENT AND/OR TEMPORARY CONSTRUCTION EASEMENTS, UNLESS OTHERWISE AUTHORIZED BY THE CITY ENGINEER.

8. THE CONTRACTOR SHALL CAREFULLY PRESERVE BENCH MARKS, PROPERTY CORNERS, REFERENCE POINTS, STAKES AND OTHER SURVEY REFERENCE MONUMENTS OR MARKERS. IN CASES OF WILLFUL OR CARELESS DESTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORATIONS. RESETTING OF MARKERS SHALL BE PERFORMED BY AN OHIO PROFESSIONAL SURVEYOR AS APPROVED BY THE CITY ENGINEER.

9. NON-RUBBER TIRED VEHICLES SHALL NOT BE MOVED ON OR ACROSS PUBLIC STREETS OR HIGHWAYS WITHOUT THE WRITTEN PERMISSION OF THE CITY ENGINEER.

10. THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO EQUAL OR BETTER CONDITION THAN EXISTED BEFORE CONSTRUCTION. DRAINAGE DITCHES OR WATER COURSES THAT ARE DISTURBED BY CONSTRUCTION SHALL BE RESTORED TO THE GRADES AND CROSS-SECTIONS THAT EXISTED BEFORE CONSTRUCTION.

11. TRACKING OR SPILLING MUD, DIRT OR DEBRIS UPON STREETS, RESIDENTIAL OR COMMERCIAL DRIVES, SIDEWALKS OR BIKE PATHS IS PROHIBITED ACCORDING TO SECTION 97.38 OF THE DUBLIN CODE OF ORDINANCES. ANY SUCH OCCURRENCE SHALL BE CLEANED UP IMMEDIATELY BY THE CONTRACTOR AT NO COST TO THE CITY. IF THE CONTRACTOR FAILS TO REMOVE SAID MUD, DIRT, DEBRIS, OR SPILLAGE, THE CITY RESERVES THE RIGHT TO REMOVE THESE MATERIALS AND CLEAN AFFECTED AREAS, THE COST OF WHICH SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

12. DISPOSAL OF EXCESS EXCAVATION WITHIN SPECIAL FLOOD HAZARD AREAS (100-YEAR FLOODPLAIN) IS NOT PERMITTED.

13. ALL SIGNS, LANDSCAPING, STRUCTURES OR OTHER APPURTENANCES WITHIN RIGHT-OF-WAY DISTURBED OR DAMAGED DURING CONSTRUCTION SHALL BE REPLACED OR REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER. THE COST OF THIS WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

14. ALL FIELD TILE BROKEN OR ENCOUNTERED DURING EXCAVATION SHALL BE REPLACED OR REPAIRED AND CONNECTED TO THE PUBLIC STORM SEWER SYSTEM AS DIRECTED BY THE CITY ENGINEER. THE COST OF THIS WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

15. ALL PRECAST CONCRETE PRODUCTS SHALL BE INSPECTED AT THE LOCATION OF MANUFACTURE. APPROVED PRECAST CONCRETE PRODUCTS WILL BE STAMPED OR HAVE SUCH IDENTIFICATION NOTING THAT INSPECTION HAS BEEN CONDUCTED BY THE CITY OF COLUMBUS. PRECAST CONCRETE PRODUCTS WITHOUT PROOF OF INSPECTION SHALL NOT BE APPROVED FOR INSTALLATION.

16. BACKFILL WITHIN A 1:1 INFLUENCE LINE OF EXISTING STRUCTURES (HOUSES, GARAGES, ETC.) OR PUBLIC INFRASTRUCTURE (PAVEMENT, CURBS, SIDEWALKS, BIKE PATHS, ETC.) SHALL BE COMPACTED GRANULAR BACKFILL ACCORDING TO ITEM 912 OF THE STANDARD SPECIFICATIONS OR FLOWABLE CDF, TYPE II ACCORDING TO ITEM 613. ITEM 911 OF THE STANDARD SPECIFICATIONS MAY BE USED ELSEWHERE.

17. THE CONTRACTOR SHALL SUBMIT A COPY OF THE APPROVED CONSTRUCTION DRAWINGS AND A LIST OF PROPOSED PRECAST CONCRETE PRODUCT MANUFACTURERS TO THE CITY OF COLUMBUS CONSTRUCTION INSPECTION DIVISION BEFORE COMMENCING CONSTRUCTION.

SEND THE INFORMATION TO THE FOLLOWING ADDRESS:	SEND A COPY OF THE TRANSMITTAL LETTER TO THE FOLLOWING ADDRESS:
CONSTRUCTION INSPECTION DIVISION CITY OF COLUMBUS 1800 EAST 17TH AVENUE COLUMBUS, OHIO 43219	DIVISION OF ENGINEERING CITY OF DUBLIN 5800 SHIER RINGS ROAD DUBLIN, OHIO 43016

18. ALL TRENCHES WITHIN PUBLIC RIGHT-OF-WAY SHALL BE BACKFILLED ACCORDING TO THE APPROVED CONSTRUCTION DRAWINGS OR SECURELY PLATED DURING NONWORKING HOURS. TRENCHES OUTSIDE THESE AREAS SHALL BE BACKFILLED OR SHALL BE PROTECTED BY APPROVED TEMPORARY FENCING OR BARRICADES DURING NONWORKING HOURS. CLEAN-UP SHALL FOLLOW CLOSELY BEHIND THE TRENCHING OPERATION.

19. ALL TREES WITHIN THE CONSTRUCTION AREA NOT SPECIFICALLY DESIGNATED FOR REMOVAL SHALL BE PRESERVED, WHETHER SHOWN OR NOT SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS. TREES TO BE PRESERVED SHALL BE PROTECTED WITH HIGH VISIBILITY FENCING PLACED A MINIMUM 15 FEET FROM THE TREE TRUNK. TREES 6 -INCHES OR GREATER AT DBH (DIAMETER BREAST HEIGHT) MUST BE PROTECTED WITH FENCING PLACED AT THE CRITICAL ROOT ZONE OR 15 FEET, WHICHEVER IS GREATER. TREES NOT INDICATED ON THE APPROVED CONSTRUCTION DRAWINGS FOR REMOVAL MAY NOT BE REMOVED WITHOUT PRIOR APPROVAL OF THE DIVISION OF ENGINEERING.

20. CONDUIT MUST BE DIRECTIONALLY BORED ACROSS STREETS INSTEAD OF OPEN CUT, UNLESS SPECIFICALLY APPROVED BY THE CITY ENGINEER. USE OF PNEUMATIC AIR RAM DEVICES IS NOT PERMITTED. PERMITS TO CONSTRUCT IN THE RIGHT-OF-WAY OF EXISTING STREETS MUST BE OBTAINED FROM THE CITY OF DUBLIN DIVISION OF ENGINEERING BEFORE COMMENCING CONSTRUCTION. SHOULD OPEN CUTTING OF EXISTING PAVEMENT BE PERMITTED, CONTROLLED DENSITY BACKFILL (TYPE II) SHALL BE USED IN PLACE OF COMPACTED GRANULAR BACKFILL, ACCORDING TO ITEM 613 OF THE STANDARD SPECIFICATIONS.

21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONDITION OF TRENCHES WITHIN THE RIGHT-OF-WAY AND PUBLIC EASEMENTS FOR A PERIOD OF ONE YEAR FROM THE FINAL ACCEPTANCE OF THE WORK, AND SHALL MAKE ANY NECESSARY REPAIRS AT NO COST TO THE CITY.

22. PAVEMENTS SHALL BE CUT IN NEAT, STRAIGHT LINES THE FULL DEPTH OF THE EXISTING PAVEMENT, OR AS REQUIRED BY THE CITY ENGINEER. PAVEMENT REPLACEMENT SHALL BE CONDUCTED ACCORDING TO CITY OF COLUMBUS STANDARD DRAWING 1441 AND APPLICABLE CITY OF DUBLIN STANDARD DRAWINGS. THE REPLACEMENT OF DRIVEWAYS, HANDICAPPED RAMPS, SIDEWALKS, BIKE PATHS, PARKING LOT PAVEMENT, ETC. SHALL BE PROVIDED ACCORDING TO THE APPROVED CONSTRUCTION DRAWINGS AND CITY OF DUBLIN STANDARD CONSTRUCTION DRAWINGS.

23. TREE TRIMMING WITHIN THE CONSTRUCTION ZONE IS TO BE COMPLETED BY A CERTIFIED ARBORIST. AT THE COMPLETION OF THE PROJECT THE ARBORIST IS TO RETURN AND TRIM ANY BROKEN BRANCHES AS NEEDED.

24. ANY MODIFICATION TO THE WORK SHOWN ON DRAWINGS MUST HAVE PRIOR WRITTEN APPROVAL BY THE CITY ENGINEER, CITY OF DUBLIN.

25. ALL INLETS SHALL BE CHANNELIZED.

26. PARK AREAS SHALL BE FINE-GRADED AND SEEDED WITH THE FOLLOWING MIXTURE:
IMPROVED KENTUCKY BLUEGRASS, 40% OF WEIGHT (2 VARIETIES IN EQUAL PARTS)
IMPROVED PERENNIAL RYE, 60% OF WEIGHT (2 VARIETIES IN EQUAL PARTS)
GERMINATION RATE: 85%
APPLICATION RATE: 7 LBS PER 1000 SQ FT AS DIRECTED BY THE DIVISION OF PARKS & RECREATION, CITY OF DUBLIN, OHIO.

27. TRAFFIC CONTROL AND OTHER REGULATORY SIGNS SHALL BE TYPE S WITH A SQUARE POST ANCHOR BASE INSTALLATION AND MEET ALL REQUIREMENTS OF ODOT TC-41.20 AND APPLICABLE CITY OF DUBLIN SPECIFICATIONS.

28. STREET SIGNS SHALL MEET ALL CITY OF DUBLIN SPECIFICATIONS WITH LETTERING COLORED IN WHITE DISPLAYED OVER A BROWN BACKGROUND. SIGN TUBING SHALL BE BROWN IN COLOR AND CONFORM WITH THE TYPE S, SQUARE POST ANCHOR BASE INSTALLATION REQUIREMENTS OF ODOT TC-41.20.

UTILITIES

1. THE FOLLOWING UTILITIES ARE KNOWN TO BE LOCATED WITHIN THE LIMITS OF THIS PROJECT:

COLUMBIA GAS OF OHIO
ATTN: TAMMY SCHMID
200 CIVIC CENTER DR., 4TH FLOOR
COLUMBUS, OHIO 43215
1-800-440-6111

CITY OF COLUMBUS
DIVISION OF WATER
910 DUBLIN ROAD, 2ND FLOOR
COLUMBUS, OHIO 43215
(614) 645-7788

TIME WARNER CABLE
KEVIN RICH
1266 DUBLIN ROAD
COLUMBUS, OHIO 43215
(614) 481-5263

AMERICAN ELECTRIC POWER
ROBIN HAND
ENGINEERING LIASON COORDINATOR
850 TECH CENTER DRIVE
GAHANNA, OHIO 43230-6605

VERIZON
BILL MUETHER / RANDY BROOKS
550 LEADER STREET
(740) 383-0527

CITY OF DUBLIN
DIVISION OF ENGINEERING
5800 SHIER RINGS ROAD
DUBLIN, OHIO 43016
(614) 410-4600

FRONTIER COMMUNICATIONS
CHRIS AVERY
NETWORK ENGINEERING
1300 COLUMBUS SANDUSKY ROAD
MARION, OHIO 43302
(740) 383-0551

2. THE CONTRACTOR SHALL GIVE NOTICE OF INTENT TO CONSTRUCT TO OHIO UTILITIES PROTECTION SERVICE (TELEPHONE NUMBER 800-362-2764), PRODUCER'S UNDERGROUND PROTECTION SERVICE (TELEPHONE NUMBER 614-587-0486), AND TO OWNERS OF UNDERGROUND UTILITIES THAT ARE NOT MEMBERS OF A REGISTERED UNDERGROUND PROTECTION SERVICE. NOTICE SHALL BE GIVEN AT LEAST 2 WORKING DAYS BEFORE START OF CONSTRUCTION.

3. THE IDENTITY AND LOCATIONS OF EXISTING UNDERGROUND UTILITIES IN THE CONSTRUCTION AREA HAVE BEEN SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS AS ACCURATELY AS PROVIDED BY THE OWNER OF THE UNDERGROUND UTILITY. THE CITY OF DUBLIN AND THE CITY ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OR DEPTHS OF UNDERGROUND FACILITIES SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS. IF DAMAGE IS CAUSED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF THE SAME AND FOR ANY RESULTING CONTINGENT DAMAGE.

4. LOCATION, SUPPORT, PROTECTION AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES, WHETHER SHOWN OR NOT SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

5. WHEN UNKNOWN OR INCORRECTLY LOCATED UNDERGROUND UTILITIES ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER AND THE CITY ENGINEER.

6. PUBLIC STREET LIGHTING MAY BE IN THE VICINITY OF THIS PROJECT. CONTACT THE CITY OF DUBLIN, DIVISION OF ENGINEERING AT 410-4637, TWO DAYS PRIOR TO BEGINNING WORK.

TRAFFIC CONTROL

1. TRAFFIC CONTROL SHALL BE FURNISHED, ERECTED, MAINTAINED, AND REMOVED BY THE CONTRACTOR ACCORDING TO OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD), CURRENT EDITION.

2. ALL TRAFFIC LANES OF PUBLIC ROADWAYS SHALL BE FULLY OPEN TO TRAFFIC FROM 7:00 AM TO 9:00 AM AND FROM 4:00 PM TO 6:00 PM UNLESS AUTHORIZED DIFFERENTLY BY THE CITY ENGINEER. AT ALL OTHER HOURS THE CONTRACTOR SHALL MAINTAIN MINIMUM ONE-LANE TWO-WAY TRAFFIC. UNIFORMED, OFF-DUTY POLICE OFFICERS SHALL REPLACE FLAGMEN DESIGNATED BY THE OMUTCD, AND SHALL BE PRESENT WHENEVER ONE-LANE, TWO-WAY TRAFFIC CONTROL IS IN EFFECT. POLICE CRUISERS MAY BE REQUIRED AS DIRECTED BY THE CITY ENGINEER.

3. IF THE CITY ENGINEER DETERMINES PROPER PROVISIONS FOR TRAFFIC CONTROL ARE NOT BEING PROVIDED BY THE CONTRACTOR, THE CITY ENGINEER SHALL ASSIGN UNIFORMED, OFF-DUTY POLICE OFFICERS TO THE PROJECT AT NO COST TO THE CITY.

4. STEADY-BURNING, TYPE "C" LIGHTS SHALL BE REQUIRED ON ALL BARRICADES, DRUMS, AND SIMILAR TRAFFIC CONTROL DEVICES IN USE AT NIGHT.

5. ACCESS FROM PUBLIC ROADWAYS TO ALL ADJOINING PROPERTIES FOR EXISTING RESIDENTS OR BUSINESSES SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT FOR MAIL, PUBLIC WATER AND SANITARY SEWER SERVICE, AND EMERGENCY VEHICLES. THE CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL PLAN DETAILING THE PROPOSED MAINTENANCE OF TRAFFIC PROCEDURES. THE TRAFFIC CONTROL PLAN MUST INCORPORATE ANY TRAFFIC CONTROL DETAILS CONTAINED HEREIN. THE TRAFFIC CONTROL PLAN PROPOSED BY THE CONTRACTOR MUST BE APPROVED BY THE CITY ENGINEER PRIOR TO CONSTRUCTION.

EROSION AND SEDIMENT CONTROL

PLEASE REFERENCE EROSION AND SEDIMENT CONTROL PLAN CONTAINED IN SHEET 18-19 OF THE SITE CONSTRUCTION PLANS.

1. THE CONTRACTOR OR DEVELOPER IS RESPONSIBLE FOR SUBMITTING A NOTICE OF INTENT (NOI) TO BE REVIEWED AND APPROVED BY THE OHIO EPA. THE NOI MUST BE SUBMITTED TO OEPA 45 DAYS PRIOR TO THE START OF CONSTRUCTION AND MAY ENTITLE COVERAGE UNDER THE OHIO EPA GENERAL PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY. A PROJECT LOCATION MAP MUST BE SUBMITTED WITH THE NOI. A SEDIMENT AND EROSION CONTROL PLAN MUST BE SUBMITTED TO THE CITY ENGINEER FOR APPROVAL IF A SEDIMENT AND EROSION CONTROL PLAN HAS NOT ALREADY BEEN INCLUDED WITH THE APPROVED CONSTRUCTION DRAWINGS. THIS PLAN MUST BE MADE AVAILABLE AT THE PROJECT SITE AT ALL TIMES. THE DESIGN OF EROSION CONTROL SYSTEMS SHALL FOLLOW THE REQUIREMENTS OF OHIO EPA, ITEM 207 OF OHIO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, AND THE CITY ENGINEER. AN INDIVIDUAL NPDES STORMWATER DISCHARGE PERMIT MAY BE REQUIRED. THE CONTRACTOR SHALL BE CONSIDERED THE PERMITTEE.

2. THE CONTRACTOR SHALL PROVIDE SEDIMENT CONTROL AT ALL POINTS WHERE STORM WATER RUNOFF LEAVES THE PROJECT, INCLUDING WATERWAYS, OVERLAND SHEET FLOW, AND STORM SEWERS.

3. ACCEPTED METHODS OF PROVIDING EROSION/SEDIMENT CONTROL INCLUDE BUT ARE NOT LIMITED TO: SEDIMENT BASINS, SILT FILTER FENCE, AGGREGATE CHECK DAMS, AND TEMPORARY GROUND COVER. HAY OR STRAW BALES ARE NOT PERMITTED.

4. THE CONTRACTOR SHALL PROVIDE ADEQUATE DRAINAGE OF THE WORK AREA AT ALL TIMES CONSISTENT WITH EROSION CONTROL PRACTICES.

5. DISTURBED AREAS THAT WILL REMAIN UNWORKED FOR 30 DAYS OR MORE SHALL BE SEEDED OR PROTECTED WITHIN SEVEN CALENDAR DAYS OF THE DISTURBANCE. OTHER SEDIMENT CONTROLS THAT ARE INSTALLED SHALL BE MAINTAINED UNTIL VEGETATIVE GROWTH HAS BEEN ESTABLISHED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL TEMPORARY SEDIMENT DEVICES AT THE CONCLUSION OF CONSTRUCTION BUT NOT BEFORE GROWTH OF PERMANENT GROUND COVER.

BLASTING - (DELETED)

SANITARY SEWERS

1. CONNECTIONS TO THE SANITARY SEWER WILL BE PERMITTED UPON RECEIVING AN OEPA PERMIT TO INSTALL (PTI), AND UPON RECEIVING A SATISFACTORY LETTER FROM THE DESIGN ENGINEER STATING THAT THE PROJECT HAS BEEN CONSTRUCTED AS PER THE PLANS, AND ALL OF THE CONDITIONS OF THE PTI HAVE BEEN MET. THE DEVELOPER IS RESPONSIBLE FOR OBTAINING ALL REQUIRED OHIO EPA APPROVALS AND PAYING REVIEW FEES.

2. SANITARY SEWAGE COLLECTION SYSTEMS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE RULES, REGULATIONS, STANDARDS AND SPECIFICATIONS OF THE CITY OF DUBLIN, OHIO EPA, OHIO DEPARTMENT OF HEALTH AND THE CURRENT EDITION OF TEN STATES - RECOMMENDED STANDARDS FOR SEWAGE WORKS.

3. THE MINIMUM REQUIREMENTS FOR SANITARY SEWER PIPES WITH DIAMETERS 15 INCH AND SMALLER SHALL BE REINFORCED CONCRETE PIPE ASTM C76 CLASS 3, OR PVC SEWER PIPE ASTM D3034, SDR 35. PIPE FOR 6 INCH DIAMETER HOUSE SERVICE LINES SHALL BE PVC PIPE ASTM D3034, SDR 35. PVC PIPE SHALL NOT BE USED AT DEPTHS GREATER THAN 28 FEET, INSTEAD DUCTILE IRON, CL. 50 (AWWA 151) SHALL BE USED WITH PRIOR WRITTEN APPROVAL BY THE CITY ENGINEER. PIPE MATERIALS AND RELATED STRUCTURES SHALL BE SHOP TESTED IN ACCORDANCE WITH CITY OF COLUMBUS CONSTRUCTION INSPECTION DIVISION QUALITY CONTROL REQUIREMENTS.

4. THE MINIMUM REQUIREMENTS FOR SANITARY SEWER PIPES WITH DIAMETERS GREATER THAN 15 INCH SHALL BE REINFORCED CONCRETE PIPE ASTM C76 WITH CLASS ACCORDING TO THE APPROVED CONSTRUCTION DRAWINGS.

5. ALL IN-LINE WYE AND TEE CONNECTIONS IN CONCRETE SEWERS, 18 INCH DIAMETER AND LARGER, SHALL BE EITHER KOR-N-TEE OR KOR-N-SEAL CONNECTIONS CONFORMING TO THE MANUFACTURER'S RECOMMENDATIONS.

6. GRANULAR BACKFILL SHALL BE COMPACTED GRANULAR MATERIAL ACCORDING TO ITEM 912 OF THE STANDARD SPECIFICATIONS OR CONTROLLED DENSITY BACKFILL ACCORDING TO ITEM 613, TYPE II OF THE STANDARD SPECIFICATIONS AS DIRECTED BY THE CITY ENGINEER.

7. ALL MANHOLE LIDS SHALL BE PROVIDED WITH CONTINUOUS SELF-SEALING GASKETS. THE APPROVED CONSTRUCTION DRAWINGS SHALL SHOW WHERE BOLT-DOWN LIDS ARE REQUIRED. SANITARY SEWER MANHOLES SHALL BE PRECAST CONCRETE OR AS APPROVED BY THE CITY ENGINEER AND CONFORM TO THE CITY OF DUBLIN SANITARY MANHOLE STANDARD DRAWING.

8. ALL PVC SEWER PIPES SHALL BE DEFLECTION TESTED NO LESS THAN 60 DAYS AFTER COMPLETION OF BACKFILLING OPERATIONS. ALL OTHER REQUIREMENTS SHALL BE ACCORDING TO ITEM 901.21 OF THE STANDARD SPECIFICATIONS.

9. TEMPORARY BULKHEADS SHALL BE PLACED IN PIPES AT LOCATIONS SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS AND SHALL REMAIN IN PLACE UNTIL THE PERMIT TO INSTALL (PTI) HAS BEEN ISSUED BY THE OEPA AND THE SEWERS HAVE BEEN APPROVED FOR USE BY THE CITY ENGINEER. THE COST FOR FURNISHING, INSTALLING, MAINTAINING, AND REMOVING BULKHEADS SHALL BE INCLUDED IN THE CONTRACT UNIT BID PRICE FOR THE VARIOUS SANITARY SEWER ITEMS.

10. ALL SANITARY SEWERS INCLUDING SANITARY SEWER SERVICE LINES SHALL BE SUBJECTED TO AND PASS INFILTRATION OR EXFILTRATION TESTS ACCORDING TO ITEM 901 OF THE STANDARD SPECIFICATIONS AND MUST BE APPROVED FOR USE BY THE CITY ENGINEER BEFORE ANY SERVICE CONNECTIONS ARE TAPPED INTO SEWERS.

11. FOR SANITARY SEWER INFILTRATION, LEAKAGE THROUGH JOINTS SHALL NOT EXCEED 100 GALLONS PER INCH OF TRIBUTARY SEWER DIAMETER PER 24 HOURS PER MILE OF LENGTH OR THE COMPUTED EQUIVALENT. ALL SANITARY SEWERS SHALL BE TESTED.

12. AT THE DETERMINATION OF THE CITY ENGINEER, THE CONTRACTOR MAY BE REQUIRED TO PERFORM A TV INSPECTION OF THE SANITARY SEWER SYSTEM PRIOR TO FINAL ACCEPTANCE BY THE CITY. THIS WORK SHALL BE COMPLETED BY THE CONTRACTOR AT HIS EXPENSE.

13. VISIBLE LEAKS OR OTHER DEFECTS OBSERVED OR DISCOVERED DURING TV INSPECTION SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER.

14. ROOF DRAINS, FOUNDATION DRAINS, FIELD TILE OR OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER SYSTEM ARE STRICTLY PROHIBITED ACCORDING TO SECTION 51.23 OF THE DUBLIN CODE OF ORDINANCES.

15. ALL WATER LINES SHALL BE LOCATED AT LEAST 10 FEET HORIZONTALLY AND 18 INCHES VERTICALLY, FROM SANITARY SEWERS AND STORM SEWERS, TO THE GREATEST EXTENT PRACTICABLE. WHERE SANITARY SEWERS CROSS WATER MAINS OR OTHER SEWERS OR OTHER UTILITIES, TRENCH BACKFILL SHALL BE PLACED BETWEEN THE PIPES CROSSING AND SHALL BE COMPACTED GRANULAR MATERIAL ACCORDING TO ITEM 912 OF THE STANDARD SPECIFICATIONS. IN THE EVENT THAT A WATER LINE MUST CROSS WITHIN 18 INCHES OF A SANITARY SEWER, THE SANITARY SEWER SHALL BE CONCRETE ENCASED OR CONSIST OF DUCTILE IRON PIPE MATERIAL.

16. SERVICE RISERS SHALL BE INSTALLED WHERE THE DEPTH FROM WYES TO PROPOSED GROUND ELEVATION EXCEEDS 10 FEET. TOPS OF RISERS SHALL BE NO LESS THAN 9 FEET BELOW PROPOSED GROUND ELEVATION IF BASEMENT SERVICE IS INTENDED.

17. WHERE SERVICE RISERS ARE NOT INSTALLED, A MINIMUM 5-FOOT LENGTH OF SANITARY SEWER SERVICE PIPE OF THE SAME SIZE AS THE WYE OPENING SHALL BE INSTALLED.

18. THE CONTRACTOR SHALL FURNISH AND PLACE, AS DIRECTED, APPROVED WYE POLES MADE OF 2 INCHES X 2 INCHES LUMBER AT ALL WYE LOCATIONS, ENDS OF EXTENDED SERVICES, OR AT THE END OF EACH RISER WHERE RISERS ARE REQUIRED. WYE POLES SHALL BE VISIBLE BEFORE ACCEPTANCE BY THE CITY. THE COST OF THESE POLES SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE VARIOUS SEWER ITEMS.

19. EXISTING SANITARY SEWER FLOWS SHALL BE MAINTAINED AT ALL TIMES. COSTS FOR PUMPING AND BYPASSING SHALL BE INCLUDED IN THE CONTRACTOR'S UNIT PRICE BID FOR THE RELATED ITEMS.

20. THE CONTRACTOR SHALL FURNISH ALL MATERIAL, EQUIPMENT, AND LABOR TO MAKE CONNECTIONS TO EXISTING MANHOLES. THE SEWER PIPE TO MANHOLE CONNECTIONS FOR ALL SANITARY SEWERS SHALL BE FLEXIBLE AND WATERTIGHT. ALL HOLES SHALL BE NEATLY CORED. THE SEWER PIPE BARREL AT THE SPRINGLINE SHALL NOT EXTEND MORE THAN 1 INCH BEYOND THE INSIDE FACE OF THE MANHOLE. TO MAINTAIN FLEXIBILITY IN THE CONNECTION, A 1-INCH SPACE SHALL BE LEFT BETWEEN THE END OF THE PIPE INSIDE THE MANHOLE AND THE CONCRETE CHANNEL. THIS SPACE SHALL BE FILLED WITH A WATERPROOF FLEXIBLE JOINT FILLER. ANY METAL THAT IS USED SHALL BE TYPE 300 SERIES STAINLESS STEEL. THE CONNECTION MAY BE ANY OF THE FOLLOWING TYPES:

A. RUBBER SLEEVE WITH STAINLESS STEEL BANDING.
   1) KOR-N-SEAL AS MANUFACTURED BY NATIONAL POLLUTION CONTROL SYSTEMS, INC.
   2) LOCK JOINT FLEXIBLE MANHOLE SLEEVE AS MANUFACTURED BY INTERPACE CORPORATION.
   3) OR EQUAL AS APPROVED BY THE CITY ENGINEER.

B. RUBBER GASKET COMPRESSION.
   1) PRESS WEDGE II AS MANUFACTURED BY PRESS-SEAL GASKET CORPORATION.
   2) DURA SEAL III AS MANUFACTURED BY DURA TECH, INC.
   3) LINK-SEAL AS MANUFACTURED BY THUNDERLINE CORPORATION.
   4) OR EQUAL AS APPROVED BY THE CITY ENGINEER.

THE COST FOR THIS WORK ALONG WITH A NEW CHANNELIZED BASE FOR THE MANHOLE SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE RELATED ITEMS OF WORK.

WATERLINE - (DELETED)

STORM SEWER - (DELETED)

MAIL DELIVERY

1. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT U.S. MAIL DELIVERY WITHIN THE PROJECT LIMITS IS NOT DISRUPTED BY CONSTRUCTION OPERATIONS. THIS RESPONSIBILITY IS LIMITED TO RELOCATION OF MAILBOXES TO A TEMPORARY LOCATION THAT WILL ALLOW THE COMPLETION OF THE WORK AND SHALL ALSO INCLUDE THE RESTORATION OF MAILBOXES TO THEIR ORIGINAL LOCATION OR APPROVED NEW LOCATION. ANY RELOCATION OF MAILBOX SERVICES MUST BE FIRST COORDINATED WITH THE US POSTAL SERVICE AND THE HOMEOWNER.

2. BEFORE RELOCATING ANY MAILBOXES, THE CONTRACTOR SHALL CONTACT THE U.S. POSTAL SERVICE AND RELOCATE MAILBOXES ACCORDING TO THE REQUIREMENTS OF THE POSTAL SERVICE.

ESTIMATE OF QUANTITIES

ITEM	UNIT	QUANTITY	DESCRIPTION
604	EA	?	MANHOLE, TYPE C
603	LF	?	8" SANITARY SEWER W/ TYPE I BEDDING PVC ASTM 3034D SDR-35, 8' TO 12' DEEP *
603	LF	?	6" LATERAL SERVICE
915	EA	?	8"x6" WYE FITTING
918	LF	?	6" SANITARY SERVICE RISER

* QUANTITY LISTED REPRESENTS LENGTH OF PIPE NOT LENGTH OF TRENCH.

NOTES:
QUANTITIES LISTED ABOVE ARE ESTIMATES AND SUBJECT TO REVISION DURING CONSTRUCTION. THE CONTRACTOR IS DIRECTED TO VERIFY ALL QUANTITIES PRIOR TO PREPARING AND SUBMITTING HIS BID.

ALL ITEMS OF WORK CALLED FOR ON THIS PLAN FOR WHICH NO SPECIFIC METHOD OF PAYMENT IS INDICATED SHALL BE PERFORMED BY THE CONTRACTOR AND THE COST OF SUCH WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE VARIOUS ITEMS.

THE CONTRACTOR SHALL INCLUDE IN HIS BID THE ADJUSTMENT OF PROPOSED MANHOLE CASTINGS 3" TO 6" AS NECESSARY, BASED ON WALK-THROUGH COMMENTS.

CHANGE ORDER SCHEDULE

#	DESCRIPTION OF CHANGE	BY	DATE

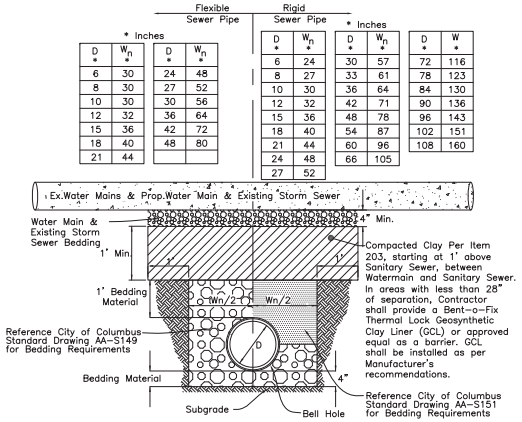
TerrainEvolution
Your bridge between Vision and Success
720 East Broad Street | Suite 203 | Columbus, OH 43215
P: 614.385.1090 | F: 614.385.1085 | E: info@terrainevolution.com

CITY OF DUBLIN, OHIO
THE VILLAGE AT COFFMAN PARK
SECTION 3
GENERAL NOTES AND QUANTITIES

DRAWING SET STATUS:
- ☐ PRELIMINARY ENGINEERING SET
- ■ AGENCY REVIEW SET
- ☐ CONSTRUCTION DOCUMENT SET
- ☐ ASBUILT DOCUMENT SET

DESIGN	DRAFT	CHECK
MSW	CMK	TRF

PROJECT NO.: 13009
DATE: NOVEMBER, 2015
SCALE: HORIZONTAL: N/A VERTICAL: N/A
SHEET NO.: 2/8



 # ANTI INFILTRATION AND INFLOW BARRIER DETAIL
Not to Scale

1.) This detail is required at all sanitary sewer and water main crossings & sanitary sewer and existing storm sewer crossings. This detail is not being used to mitigate crossings where there is less than 18" of vertical distance from outside to outside of pipes. See Profile for total length of barrier measured along Sanitary mainlines.

2.) For sanitary sewer services the I/I detail will apply to 5' (10' Total) on either side at the intersection of sanitary sewer/sanitary service and water main measured along the sanitary sewer/sanitary service.

CHANGE ORDER SCHEDULE

#	DESCRIPTION OF CHANGE	BY	DATE

TerrainEvolution
Your bridge between Vision and Success
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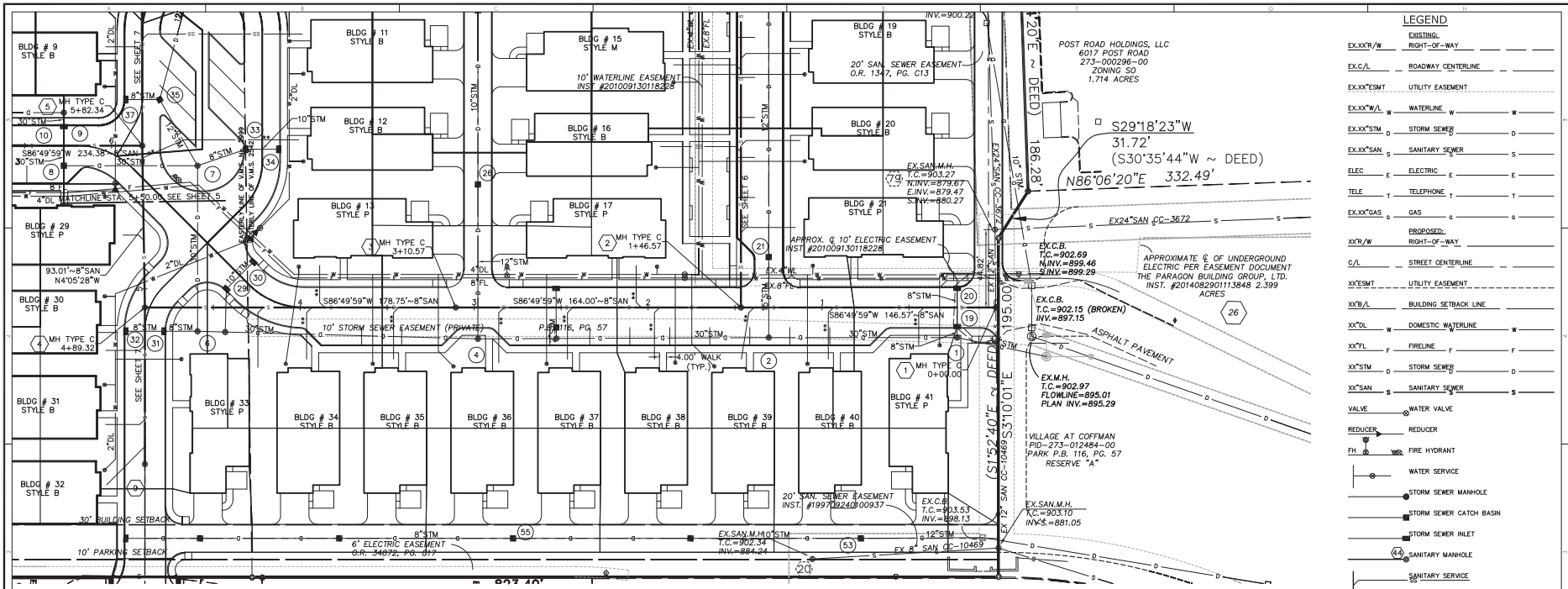
P: 614.385.1090 | F: 614.385.1085 | E: info@terrainevolution.com

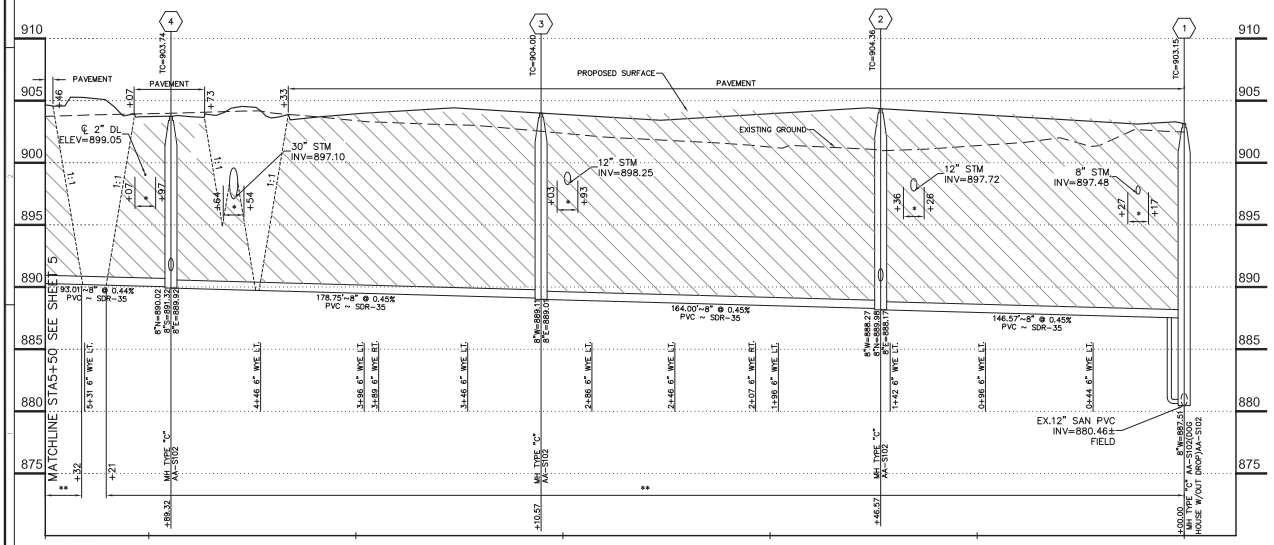
CITY OF DUBLIN, OHIO
THE VILLAGE AT COFFMAN PARK
SECTION 3
DETAILS

DRAWING SET STATUS:
- ☐ PRELIMINARY ENGINEERING SET
- ■ AGENCY REVIEW SET
- ☐ CONSTRUCTION DOCUMENT SET
- ☐ ASBUILT DOCUMENT SET

DESIGN	DRAFT	CHECK
MSW	CMK	TRR

PROJECT NO.: 13-009
DATE: NOVEMBER, 2015
SCALE: HORIZONTAL: N/A VERTICAL: N/A
SHEET NO.: 3 /8





MANHOLE NUMBER	LOT / BUILDING NUMBER	WYE STATION @ MAIN LINE	SERVICE LENGTH	FINISH GROUND ELEVATION	SERVICE SLOPE (%)	SERVICE INVERT @ END	RISER HEIGHT @ MAIN LINE
1							
	41 LT	0+44	22	905.30	2.08%	892.84	4
	40 LT	0+96	30	905.10	2.08%	893.24	4
	39 LT	1+42	30	905.60	2.08%	893.44	4
2							
	38 LT	1+96	30	905.60	2.08%	893.79	4
	17 RT	2+07	24	905.00	2.08%	894.71	5
	37 LT	2+46	30	905.10	2.08%	894.01	4
	36 LT	2+86	32	905.20	2.08%	894.23	4
3							
	35 LT	3+46	30	905.80	2.08%	894.56	4
	13 RT	3+89	24	904.70	2.08%	893.63	3
	34 LT	3+96	30	905.30	2.08%	893.79	3
	33 LT	4+46	22	905.40	2.08%	893.84	3
4							
	29 LT	5+31	12	906.30	2.08%	896.12	5

LEGEND

EXISTING:

EX.XX"R/W	RIGHT-OF-WAY
EX.℄/L	ROADWAY CENTERLINE
EX.XX"ESMT	UTILITY EASEMENT
EX.XX"W/L	WATERLINE
EX.XX"STM	STORM SEWER
EX.XX"SAN	SANITARY SEWER
ELEC	ELECTRIC
TELE	TELEPHONE
EX.XX"GAS	GAS

PROPOSED:

XX"R/W	RIGHT-OF-WAY
℄/L	STREET CENTERLINE
XX"ESMT	UTILITY EASEMENT
XX"B/L	BUILDING SETBACK LINE
XX"DL	DOMESTIC WATERLINE
XX"FL	FIRELINE
XX"STM	STORM SEWER
XX"SAN	SANITARY SEWER
VALVE	WATER VALVE
REDUCER	REDUCER
FH	FIRE HYDRANT
	WATER SERVICE
	STORM SEWER MANHOLE
	STORM SEWER CATCH BASIN
	STORM SEWER INLET
44	SANITARY MANHOLE
	SANITARY SERVICE
**	COMPACTED GRANULAR BACKFILL

NOTES
* 1/1 SEE DETAIL ON SHEET 3

DESCRIPTION (PROFILE)

12+29.6" WYE LT
- SIDE OF MAIN
- SIZE OF SERVICE
- MAINLINE STATION OF SERVICE

EXISTING PROPERTY PIN NORTHING AND EASTING		
PROPERTY PIN	NORTHING	EASTING
PIN #1	767855.14	1786988.08
PIN #2	767940.78	1787883.46
PIN #3	767912.92	1787868.03
PIN #4	767718.57	1787878.85
PIN #5	767673.95	1787056.45

SANITARY MANHOLE LOCATION		
MANHOLE NUMBER	NORTHING	EASTING
1	767872.98	1787868.68
2	767864.88	1787722.33
3	767855.82	1787558.58
4	767845.95	1787380.10
5	767938.72	1787373.47
6	767925.77	1787139.45
7	767902.36	1786832.72
8	768054.59	1787711.83
9	767756.09	1787385.08
10	768018.34	1787369.06
11	767744.70	1787149.46
12	768010.64	1787134.75

GRAPHIC SCALE
30 15 0 30
(IN FEET)
1 inch = 30 ft.

CHANGE ORDER SCHEDULE

#	DESCRIPTION OF CHANGE	BY	DATE

TerrainEvolution
Your bridge between Vision and Success
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P: 614.385.1090 | F: 614.385.1085 | E: info@terrainevolution.com

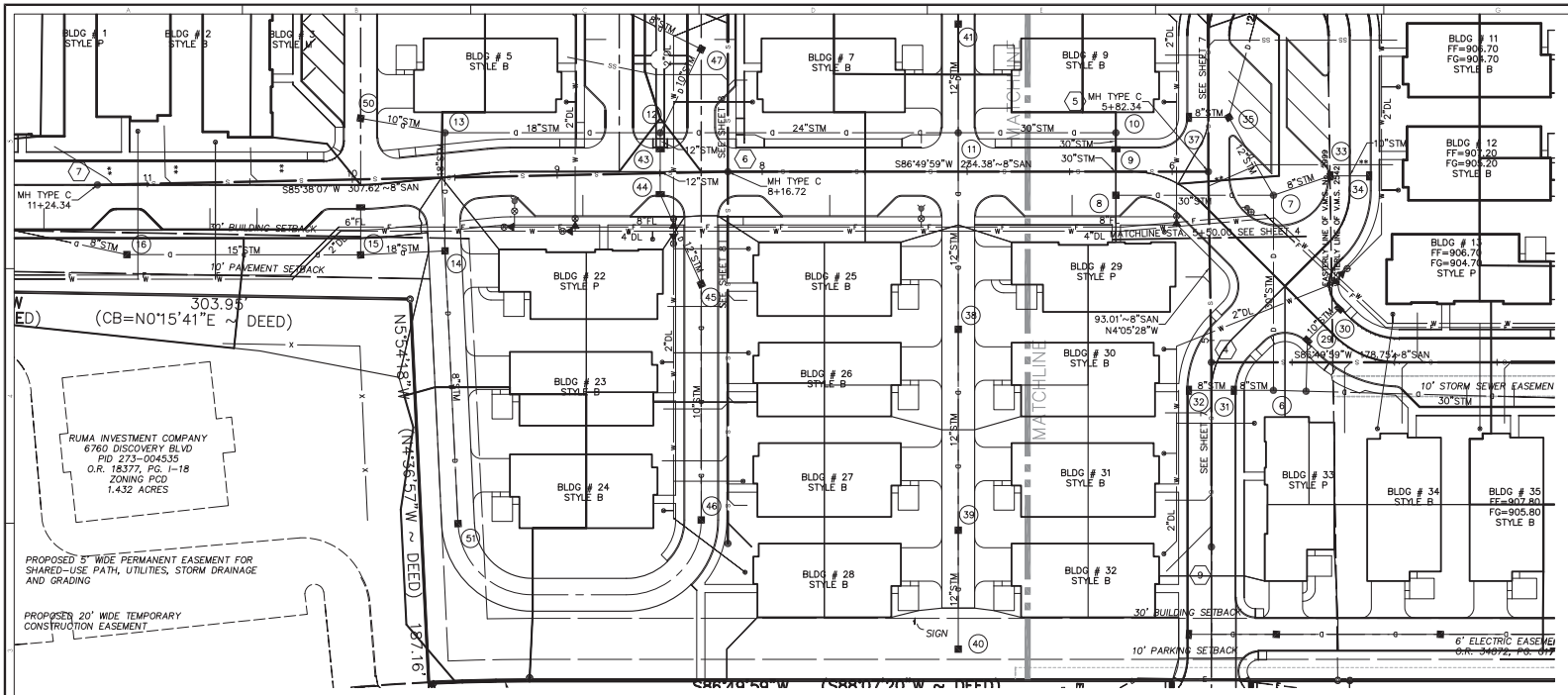
CITY OF DUBLIN, OHIO
THE VILLAGE AT COFFMAN PARK
SECTION 3
SANITARY PLAN AND PROFILE

DRAWING SET STATUS:
- ☐ PRELIMINARY ENGINEERING SET
- ■ AGENCY REVIEW SET
- ☐ CONSTRUCTION DOCUMENT SET
- ☐ ASBUILT DOCUMENT SET

DESIGN	DRAFT	CHECK
MSW	CMK	TRF

PROJECT NO.: 13009
DATE: NOVEMBER, 2015
SCALE: HORIZONTAL: 1" = 30' VERTICAL: 1" = 5'
SHEET NO.: 4/8

DUBLIN CC-17271 PM 735 SEWERS



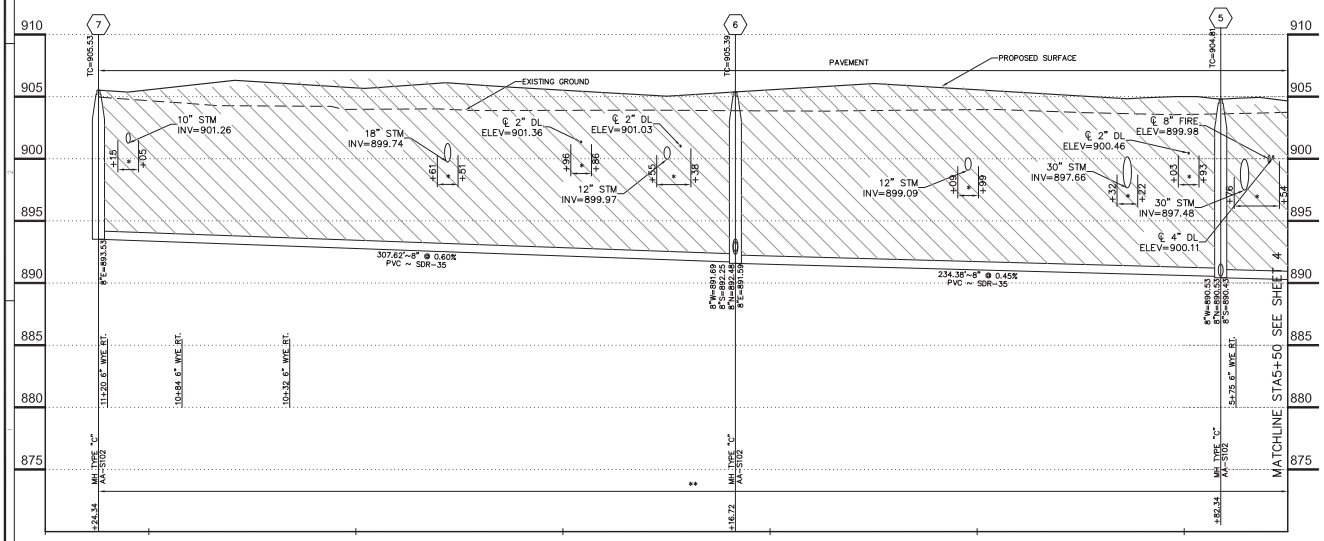
LEGEND

EXISTING:		
EX.XX"R/W	RIGHT-OF-WAY	
EX.C/L	ROADWAY CENTERLINE	
EX.XX"ESMT	UTILITY EASEMENT	
EX.XX"W/L	WATERLINE	W
EX.XX"STM	STORM SEWER	D
EX.XX"SAN	SANITARY SEWER	S
ELEC	ELECTRIC	E
TELE	TELEPHONE	T
EX.XX"GAS	GAS	G
PROPOSED:		
XX"R/W	RIGHT-OF-WAY	
C/L	STREET CENTERLINE	
XX"ESMT	UTILITY EASEMENT	
XX"B/L	BUILDING SETBACK LINE	
XX"DL	DOMESTIC WATERLINE	W
XX"FL	FIRELINE	F
XX"STM	STORM SEWER	D
XX"SAN	SANITARY SEWER	S
VALVE	WATER VALVE	
REDUCER	REDUCER	
FH	FIRE HYDRANT	
	WATER SERVICE	
	STORM SEWER MANHOLE	
	STORM SEWER CATCH BASIN	
	STORM SEWER INLET	
44	SANITARY MANHOLE	
SS	SANITARY SERVICE	
**	COMPACTED GRANULAR BACKFILL	

NOTES
* 1/1 SEE DETAIL ON SHEET 3

DESCRIPTION (PROFILE)

12+79.6" W/S LT
- SIDE OF MAIN
- SIZE OF SERVICE
- MAINLINE STATION OF SERVICE



MANHOLE NUMBER	LOT / BUILDING NUMBER	WYE STATION @ MAIN LINE	SERVICE LENGTH	FINISH GROUND ELEVATION	SERVICE SLOPE (%)	SERVICE INVERT @ END	RISER HEIGHT @ MAIN LINE
	12 RT	5+75	92	905.20	2.08%	894.98	2
5							
6							
	3 RT	10+32	18	907.80	2.08%	897.02	3
	2 RT	10+84	25	907.20	2.08%	896.48	2
	1 RT	11+20	27	907.40	2.08%	896.74	2
7							

EXISTING PROPERTY PIN NORTHING AND EASTING		
PROPERTY PIN	NORTHING	EASTING
PIN #1	767855.14	1786988.08
PIN #2	767940.78	1787883.46
PIN #3	767912.92	1787868.03
PIN #4	767718.57	1787878.85
PIN #5	767673.95	1787056.45

SANITARY MANHOLE LOCATION		
MANHOLE NUMBER	NORTHING	EASTING
1	767872.98	1787868.68
2	767864.88	1787722.33
3	767855.82	1787558.58
4	767845.95	1787380.10
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6	767925.77	1787139.45
7	767902.36	1786832.72
8	768054.59	1787711.83
9	767756.09	1787385.08
10	768018.34	1787369.06
11	767744.70	1787149.46
12	768010.64	1787134.75

DUBLIN CC-17271 PM 735 SEWERS

GRAPHIC SCALE
30 15 0 30
(IN FEET)
1 inch = 30 ft.

CHANGE ORDER SCHEDULE
#	DESCRIPTION OF CHANGE	BY	DATE

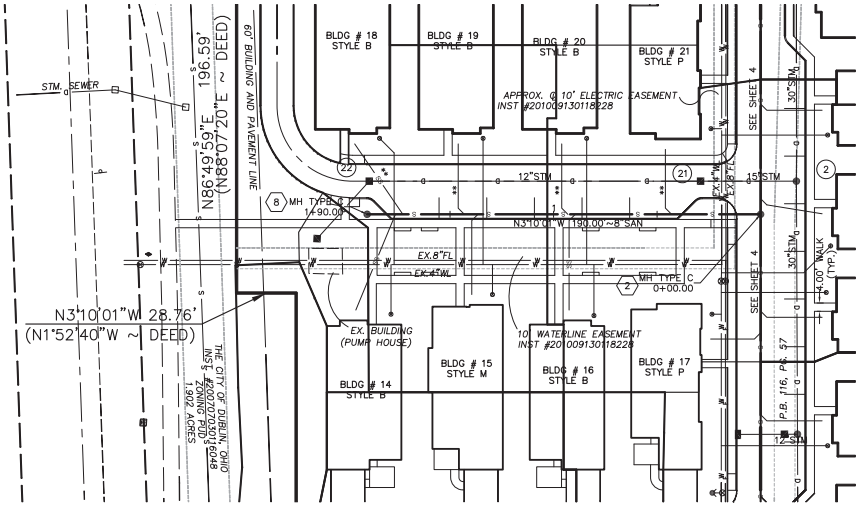
TerrainEvolution
Your bridge between Vision and Success
720 East Broad Street | Suite 203 | Columbus, OH 43215
P: 614.385.1090 | F: 614.385.1085 | E: mike@terrainevolution.com

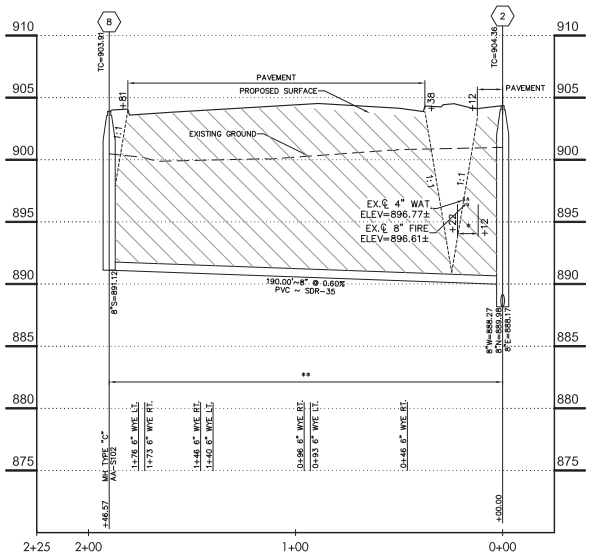
CITY OF DUBLIN, OHIO
THE VILLAGE AT COFFMAN PARK
SECTION 3
SANITARY PLAN AND PROFILE

DRAWING SET STATUS:
- ☐ PRELIMINARY ENGINEERING SET
- ■ AGENCY REVIEW SET
- ☐ CONSTRUCTION DOCUMENT SET
- ☐ ASBUILT DOCUMENT SET

DESIGN	DRAFT	CHECK
MSW	CMK	TRF

PROJECT NO.: 13009
DATE: NOVEMBER, 2015
SCALE: HORIZONTAL: 1" = 30' VERTICAL: 1" = 5'
SHEET NO.: 5 /8





MANHOLE NUMBER	LOT / BUILDING NUMBER	WYE STATION @ MAIN LINE	SERVICE LENGTH	FINISH GROUND ELEVATION	SERVICE SLOPE (%)	SERVICE INVERT @ END	RISER HEIGHT @ MAIN LINE
2							
	21 RT	0+46	31	904.90	2.08%	894.57	3
	16 LT	0+93	46	905.40	2.08%	895.16	3
	20 RT	0+96	39	905.40	2.08%	895.04	3
	15 LT	1+40	39	904.90	2.08%	894.30	2
	19 RT	1+46	39	905.10	2.08%	894.34	2
	18 RT	1+73	46	905.10	2.08%	894.64	2
	14 LT	1+76	50	905.30	2.08%	894.75	2
8							

LEGEND

EXISTING:

EX.XX"R/W	RIGHT-OF-WAY
EX.℄/L	ROADWAY CENTERLINE
EX.XX"ESMT	UTILITY EASEMENT
EX.XX"W/L	WATERLINE
EX.XX"STM	STORM SEWER
EX.XX"SAN	SANITARY SEWER
ELEC	ELECTRIC
TELE	TELEPHONE
EX.XX"GAS	GAS

PROPOSED:

XX"R/W	RIGHT-OF-WAY
℄/L	STREET CENTERLINE
XX"ESMT	UTILITY EASEMENT
XX"B/L	BUILDING SETBACK LINE
XX"DL	DOMESTIC WATERLINE
XX"FL	FIRELINE
XX"STM	STORM SEWER
XX"SAN	SANITARY SEWER
VALVE	WATER VALVE
REDUCER	REDUCER
FH	FIRE HYDRANT
	WATER SERVICE
	STORM SEWER MANHOLE
	STORM SEWER CATCH BASIN
	STORM SEWER INLET
(44)	SANITARY MANHOLE
	SANITARY SERVICE
**	COMPACTED GRANULAR BACKFILL

NOTES
* 1/1 SEE DETAIL ON SHEET 3

DESCRIPTION (PROFILE)

12+79 6" WYE LT
- SIDE OF MAIN
- SIZE OF SERVICE
- MAINLINE STATION OF SERVICE

EXISTING PROPERTY PIN NORTHING AND EASTING		
PROPERTY PIN	NORTHING	EASTING
PIN #1	767855.14	1786988.08
PIN #2	767940.78	1787883.46
PIN #3	767912.92	1787868.03
PIN #4	767718.57	1787878.85
PIN #5	767673.95	1787056.45

SANITARY MANHOLE LOCATION		
MANHOLE NUMBER	NORTHING	EASTING
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9	767756.09	1787385.08
10	768018.34	1787369.06
11	767744.70	1787149.46
12	768010.64	1787134.75

GRAPHIC SCALE
30 15 0 30
(IN FEET)
1 inch = 30 ft.

CHANGE ORDER SCHEDULE

#	DESCRIPTION OF CHANGE	BY	DATE

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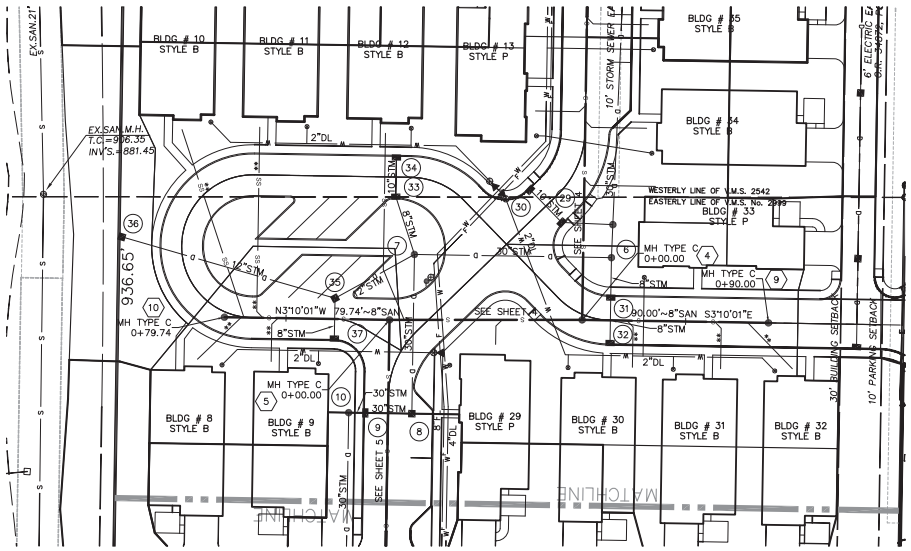
CITY OF DUBLIN, OHIO
THE VILLAGE AT COFFMAN PARK
SECTION 3
SANITARY PLAN AND PROFILE

DRAWING SET STATUS:
- ☐ PRELIMINARY ENGINEERING SET
- ■ AGENCY REVIEW SET
- ☐ CONSTRUCTION DOCUMENT SET
- ☐ ASBUILT DOCUMENT SET

DESIGN	DRAFT	CHECK
MSW	CMK	TRR

PROJECT NO.: 13-009
DATE: NOVEMBER, 2015
SCALE: HORIZONTAL: 1" = 30' VERTICAL: 1" = 5'

SHEET NO.: 6/8



LEGEND

EXISTING:

- EX.XX"R/W — RIGHT-OF-WAY
- EX.C/L — ROADWAY CENTERLINE
- EX.XX"ESMT — UTILITY EASEMENT
- EX.XX"W/L — WATERLINE
- EX.XX"STM — STORM SEWER
- EX.XX"SAN — SANITARY SEWER
- ELEC — ELECTRIC
- TELE — TELEPHONE
- EX.XX"GAS — GAS

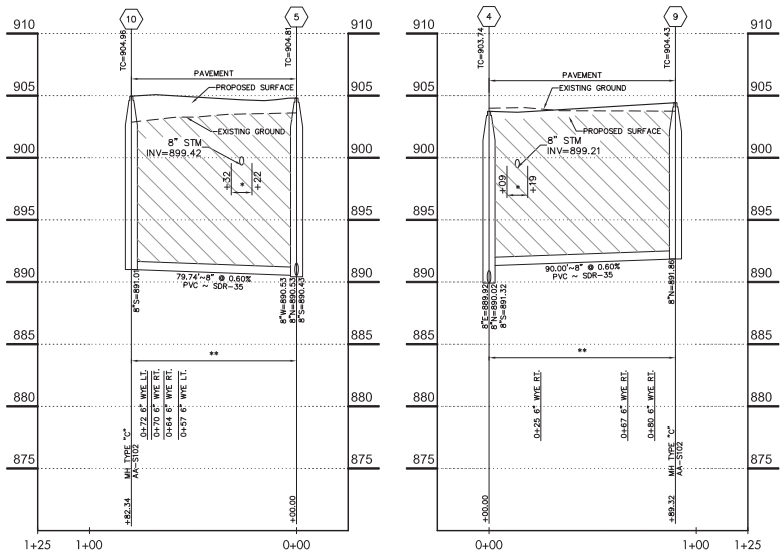
PROPOSED:

- XX"R/W — RIGHT-OF-WAY
- C/L — STREET CENTERLINE
- XX"ESMT — UTILITY EASEMENT
- XX"B/L — BUILDING SETBACK LINE
- XX"DL — DOMESTIC WATERLINE
- XX"FL — FIRELINE
- XX"STM — STORM SEWER
- XX"SAN — SANITARY SEWER
- VALVE — WATER VALVE
- REDUCER — REDUCER
- FH — FIRE HYDRANT
- WATER SERVICE
- STORM SEWER MANHOLE
- STORM SEWER CATCH BASIN
- STORM SEWER INLET
- 44 — SANITARY MANHOLE
- SS — SANITARY SERVICE
- ** — COMPACTED GRANULAR BACKFILL

NOTES
* 1/1 SEE DETAIL ON SHEET 3

DESCRIPTION (PROFILE)

12+79 6" WYE LT
- SIDE OF MAIN
- SIZE OF SERVICE
- MAINLINE STATION OF SERVICE



MANHOLE NUMBER	LOT / BUILDING NUMBER	WYE STATION @ MAIN LINE	SERVICE LENGTH	FINISH GROUND ELEVATION	SERVICE SLOPE (%)	SERVICE INVERT @ END	RISER HEIGHT @ MAIN LINE
5							
	9 LT	0+57	21	906.30	2.08%	895.98	4
	11 RT	0+64	92	904.70	2.08%	893.50	0
	10 RT	0+70	96	905.00	2.08%	893.62	0
	8 LT	0+72	29	906.50	2.08%	896.24	4
10							

MANHOLE NUMBER	LOT / BUILDING NUMBER	WYE STATION @ MAIN LINE	SERVICE LENGTH	FINISH GROUND ELEVATION	SERVICE SLOPE (%)	SERVICE INVERT @ END	RISER HEIGHT @ MAIN LINE
4							
	30 RT	0+25	22	906.30	2.08%	895.59	3
	31 RT	0+67	22	906.30	2.08%	895.84	3
	32 RT	0+80	31	906.30	2.08%	896.11	3
9							

EXISTING PROPERTY PIN NORTHING AND EASTING

PROPERTY PIN	NORTHING	EASTING
PIN #1	767855.14	1786988.08
PIN #2	767940.78	1787883.46
PIN #3	767912.92	1787868.03
PIN #4	767718.57	1787878.85
PIN #5	767673.95	1787056.45

SANITARY MANHOLE LOCATION

MANHOLE NUMBER	NORTHING	EASTING
1	767872.98	1787868.68
2	767864.88	1787722.33
3	767855.82	1787558.58
4	767845.95	1787380.10
5	767938.72	1787373.47
6	767925.77	1787139.45
7	767902.36	1786832.72
8	768054.59	1787711.83
9	767756.09	1787385.08
10	768018.34	1787369.06
11	767744.70	1787149.46
12	768010.64	1787134.75

GRAPHIC SCALE
30 15 0 30
(IN FEET)
1 inch = 30 ft.

CHANGE ORDER SCHEDULE

#	DESCRIPTION OF CHANGE	BY	DATE

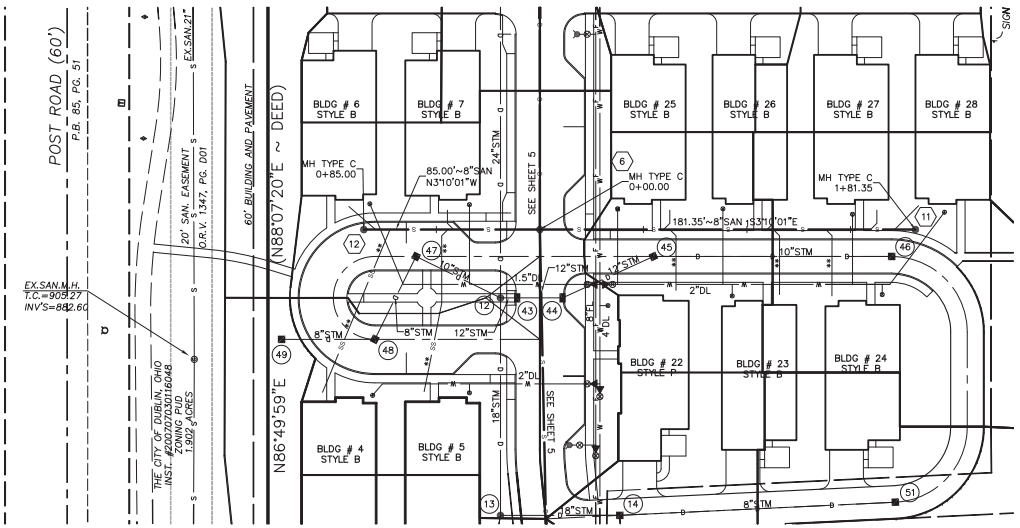
TerrainEvolution
Your bridge between Vision and Success
720 East Broad Street | Suite 203 | Columbus, OH 43215
P: 614.385.1090 | F: 614.385.1085 | E: mike@terrainevolution.com

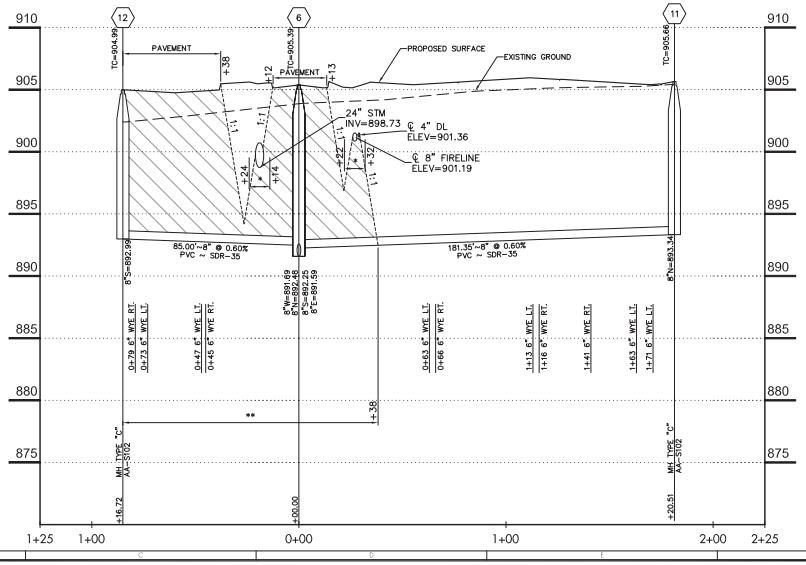
CITY OF DUBLIN, OHIO
THE VILLAGE AT COFFMAN PARK
SECTION 3
SANITARY PLAN AND PROFILE

DRAWING SET STATUS:
- ☐ PRELIMINARY ENGINEERING SET
- ■ AGENCY REVIEW SET
- ☐ CONSTRUCTION DOCUMENT SET
- ☐ ASBUILT DOCUMENT SET

DESIGN	DRAFT	CHECK
MSW	CMK	TRF

PROJECT NO.: 13-009
DATE: NOVEMBER, 2015
SCALE: HORIZONTAL: 1" = 30' VERTICAL: 1" = 5'
SHEET NO.: 7/8





LEGEND

EXISTING:

- EX.XX"R/W — RIGHT-OF-WAY
- EX.C/L — ROADWAY CENTERLINE
- EX.XX"ESMT — UTILITY EASEMENT
- EX.XX"W/L — WATERLINE
- EX.XX"STM — STORM SEWER
- EX.XX"SAN — SANITARY SEWER
- ELEC — ELECTRIC
- TELE — TELEPHONE
- EX.XX"GAS — GAS

PROPOSED:

- XX"R/W — RIGHT-OF-WAY
- C/L — STREET CENTERLINE
- XX"ESMT — UTILITY EASEMENT
- XX"B/L — BUILDING SETBACK LINE
- XX"DL — DOMESTIC WATERLINE
- XX"FL — FIRELINE
- XX"STM — STORM SEWER
- XX"SAN — SANITARY SEWER
- VALVE — WATER VALVE
- REDUCER — REDUCER
- FH — FIRE HYDRANT
- WATER SERVICE
- STORM SEWER MANHOLE
- STORM SEWER CATCH BASIN
- STORM SEWER INLET
- 44 — SANITARY MANHOLE
- SANITARY SERVICE
- ** — COMPACTED GRANULAR BACKFILL

NOTES
* 1/1 SEE DETAIL ON SHEET 3

DESCRIPTION (PROFILE)

12+29.6" WYE LT
- SIDE OF MAIN
- SIZE OF SERVICE
- MAINLINE STATION OF SERVICE

MANHOLE NUMBER	LOT/ BUILDING NUMBER	WYE STATION @ MAIN LINE	SERVICE LENGTH	FINISH GROUND ELEVATION	SERVICE SLOPE (%)	SERVICE INVERT @ END	RISER HEIGHT @ MAIN LINE
6							
	25 LT	0+63	9	906.80	2.08%	896.48	3
	22 RT	0+66	29	906.80	2.08%	895.91	2
	26 LT	1+13	9	906.60	2.08%	895.78	2
	23 RT	1+16	31	907.20	2.08%	896.26	2
	24 RT	1+41	32	907.00	2.08%	896.43	2
	27 LT	1+63	9	906.70	2.08%	896.08	2
	28 LT	1+71	16	906.50	2.08%	896.27	2
11							
6							
	7 RT	0+45	9	906.70	2.08%	895.60	2
	5 LT	0+47	81	907.30	2.08%	897.11	2
	4 LT	0+73	85	907.70	2.08%	897.35	2
	6 RT	0+79	17	906.50	2.08%	895.97	2
12							

EXISTING PROPERTY PIN NORTHING AND EASTING

PROPERTY PIN	NORTHING	EASTING
PIN #1	767855.14	1786988.08
PIN #2	767940.78	1787883.46
PIN #3	767912.92	1787868.03
PIN #4	767718.57	1787878.85
PIN #5	767673.95	1787056.45

SANITARY MANHOLE LOCATION

MANHOLE NUMBER	NORTHING	EASTING
1	767872.98	1787868.68
2	767864.88	1787722.33
3	767855.82	1787558.58
4	767845.95	1787380.10
5	767938.72	1787373.47
6	767925.77	1787139.45
7	767902.36	1786832.72
8	768054.59	1787711.83
9	767756.09	1787385.08
10	768018.34	1787369.06
11	767744.70	1787149.46
12	768010.64	1787134.75

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DESIGN	DRAFT	CHECK
MSW	CMK	TRF

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