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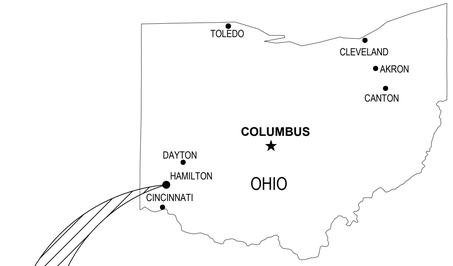
FAIRFIELD TOWNSHIP, BUTLER COUNTY, OHIO

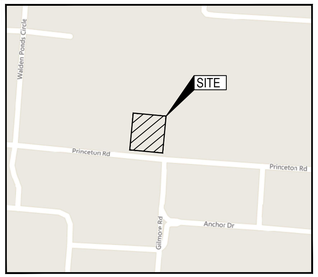
SITE IMPROVEMENTS

FOR

CASEY'S GENERAL STORE

PRINCETON ROAD
HAMILTON, OH 45011





VICINITY MAP
NO SCALE

OWNER/DEVELOPER:
CASEY'S GENERAL STORES, INC.
ONE SE CONVENIENCE BLVD.
ANKENY, IA 50021
PHONE: (515) 446-6402
CONTACT: DARREN MOGA

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DUKE ENERGY ELECTRIC
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CONTACT: CRAIG HUTCHINSON

LEGEND

EXISTING FEATURES LEGEND
APPLIES TO ALL CIVIL SHEETS

- R/W — RIGHT OF WAY LINE
- PARCEL LINE
- SUBJECT PROPERTY BOUNDARY LINE
- EASEMENT LINE
- CURB
- EDGE OF PAVEMENT
- EDGE OF WALK
- PAVEMENT MARKINGS
- STM — STORM SEWER
- SAN — SANITARY SEWER
- W — WATER LINE
- G — GAS LINE
- OHE — OVHD ELECTRIC LINE
- UGE — UGND ELECTRIC LINE
- UGT — UGND TELECOMM LINE
- 100 — MAJOR CONTOUR
- 102 — MINOR CONTOUR
- SITE BENCHMARK
- IRON PIPE FOUND AS NOTED
- IRON PIN FOUND AS NOTED
- CONCRETE BOLLARD POST
- ELECTRIC METER
- ELECTRIC BOX
- TELEPHONE BOX
- TELEPHONE POLE
- LIGHT POLE
- POWER & TELEPHONE POLE
- POWER POLE
- LARGE ROCK
- SANITARY MANHOLE
- CLEANOUT
- WATER VALVE
- FIRE HYDRANT
- CATCH BASIN
- CATCH BASIN
- CURB INLET
- DRAINAGE MANHOLE
- GAS METER / REGULATOR
- GAS VALVE
- MB — MAILBOX
- SIGN
- POST

Sheet List Table

Sheet Number	Sheet Title
C-001	COVER SHEET
C-002	GENERAL NOTES
C-003	ALTA
C-004	ALTA
C-100	DEMOLITION PLAN
C-101	SITE PLAN
C-201	GRADING PLAN
C-202	TRIBUTARY AREA MAP
C-301	UTILITY PLAN
C-401	SWPPP
C-402	SWPPP DETAILS
C-501	PHOTOMETRIC PLAN
C-601	CIVIL DETAILS
C-602	CIVIL DETAILS
C-603	CIVIL DETAILS
C-604	CONSTRUCTION DETAILS
C-701	LANDSCAPE PLAN

BENCHMARK

	ELEVATION*	DESCRIPTION
BM #1191	736.30	BENCH NAIL SET SOUTH SIDE OF POWER POLE #JH-0009. NORTH SIDE OF PRINCETON ROAD, SOUTH OF WALDEN PONDS COMMUNITY CHURCH BUILDING.
BM #1270	749.19	BENCHNAIL SET NORTH SIDE OF POWER POLE #J12-0013 SOUTHWEST OF GILMORE ROAD AND PRINCETON ROAD INTERSECTION, NORTH OF POPEYE'S CHICKEN.
BM #1514	752.88	CHISELED BOX SOUTHWEST CORNER OF TRAFFIC SIGNAL LIGHT POLE BASE. LOCATED ON NORTHEAST CORNER OF PRINCETON ROAD AND GILMORE ROAD INTERSECTION.

* VERTICAL DATUM: NAVD88
NOTE: REFER TO ALTA SURVEY, SHEET C-003, FOR BENCHMARK LOCATIONS.

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

CESO
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NO.	DATE	REVISION DESCRIPTION

STATE OF OHIO
JEFFREY LONCHOR
E-85208
REGISTERED PROFESSIONAL ENGINEER
1/21/2021

CASEY'S GENERAL STORES
HAMILTON, OH
PRINCETON RD
HAMILTON, OH 45011

COVER SHEET

ISSUE: PERMIT SET
DATE: 01.21.2021
JOB NO.: 756995
DESIGN: MST
DRAWN: MST
CHECKED: JJL
SHEET NO. C-001

DEMOLITION GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE ALL WORK WITH BUTLER COUNTY AND ALL UTILITY PROVIDERS LOCATED ON-SITE AND IN THE RIGHT OF WAY.
2. CONTRACTOR SHALL PERFORM ALL DEMOLITION WORK PER BUTLER COUNTY PROJECT SPECIFICATIONS.
3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CALL OHIO UTILITY PROTECTION SERVICE AND THEN TO CONTACT ALL UTILITY COMPANIES TO SCHEDULE UTILITY SERVICE REMOVAL AND/OR ABANDONMENT. ALL UTILITIES SHALL BE REMOVED AND/OR RELOCATED PER THE SPECIFICATIONS OF THE UTILITY COMPANIES. THE CONTRACTOR IS RESPONSIBLE TO PAY ALL FEES AND CHARGES ASSOCIATED WITH THIS WORK.
4. CONTRACTOR IS RESPONSIBLE FOR PROVIDING TRAFFIC CONTROL. ALL TRAFFIC CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE 2012 ODOT MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND BUTLER COUNTY PROJECT SPECIFICATIONS.
5. THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION, REMOVAL AND DISPOSAL, IN A LOCATION APPROVED BY THE GOVERNING AUTHORITIES, OF ALL STRUCTURES, PADS, WALLS, FOUNDATIONS, DRAINAGE STRUCTURES, UTILITIES, ETC. SUCH THAT THE IMPROVEMENTS SHOWN ON THE REMAINING PLANS CAN BE CONSTRUCTED. ALL FACILITIES TO BE REMOVED SHALL BE UNDERCUT TO SUITABLE MATERIAL AND BROUGHT TO GRADE WITH SUITABLE COMPACTED FILL MATERIAL AS SPECIFIED IN THE GEOTECHNICAL REPORT. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR DEMOLITION AND DISPOSAL.
6. CONTRACTOR IS RESPONSIBLE FOR PROVIDING JOB SITE SAFETY PER OSHA REQUIREMENTS. AT ALL TIMES DURING DEMOLITION AND CONSTRUCTION, CONTRACTOR SHALL PROVIDE SAFETY RAILINGS AT ALL AREAS WHERE FALL PROTECTION IS REQUIRED.
7. CONTRACTOR MAY LIMIT SAW-CUT AND PAVEMENT REMOVAL TO ONLY THOSE AREAS WHERE IT IS REQUIRED AS SHOWN ON THESE CONSTRUCTION PLANS BUT IF ANY DAMAGE IS INCURRED TO ANY OF THE SURROUNDING PAVEMENT, ETC., THE CONTRACTOR SHALL BE RESPONSIBLE FOR ITS REMOVAL AND REPAIR.
8. SAWCUT AND REMOVE TO FULL DEPTH AT ALL PAVEMENT/SIDEWALK LIMITS OR TO EXISTING JOINTS.
9. CONTRACTOR SHALL MAINTAIN A WELL-DRAINED SITE, FREE OF STANDING WATER DURING CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY DRAINAGE MEASURES DURING CONSTRUCTION.
10. CONTRACTOR IS RESPONSIBLE FOR PLACING AND MAINTAINING CONSTRUCTION FENCE, SIGNS, ETC. TO WARN AND KEEP UNAUTHORIZED PEOPLE OFF SITE FOR THE DURATION OF THE PROJECT.
11. EXTENT OF DEMOLITION WORK IS NOT LIMITED TO ONLY WHAT IS SHOWN TO BE DEMOLISHED ON THIS PLAN. DEMOLITION WORK MUST BE COMPLETE SO THE PROPOSED STRUCTURES AND APPURTENANCES CAN BE CONSTRUCTED.
12. ALL POTENTIALLY HAZARDOUS/TOXIC MATERIALS MUST BE REMOVED FROM THE SITE PRIOR TO DEMOLITION, AND PER DIRECTION OF ENVIRONMENTAL ENGINEER.
13. THE REMOVAL OF STRUCTURES AND OBSTRUCTIONS SHALL BE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL CODE REQUIREMENTS.
14. FEDERAL, STATE AND LOCAL CODE REQUIREMENTS SHALL CONTROL THE DISPOSAL OF DEBRIS RESULTING FROM THE REMOVAL OPERATION.
15. ALL MATERIALS AND STRUCTURES DESIGNATED AS "TO BE REMOVED" SHALL BE DISPOSED OF OFF SITE AND AT THE COST OF THE CONTRACTOR.
16. DEAD SEWER CONNECTIONS OR MAINS BEING REMOVED SHALL BE REMOVED TO THE RIGHT OF WAY (UNLESS PLANS OR THE SANITARY ENGINEER SPECIFY OTHERWISE) AND SEALED AND MADE WATERTIGHT.
17. ALL TRENCHES, HOLES AND PITS RESULTING FORM THE REMOVAL AND ABANDONMENT OF ANY STRUCTURE OR OBSTRUCTION SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.
18. TREE REMOVAL AND CLEARING AND GRUBBING SHALL BE PERFORMED PER FEDERAL, STATE AND LOCAL CODE REQUIREMENTS. STUMP SHALL BE REMOVED COMPLETELY, INCLUDING ALL ROOTS.
19. THE CONTRACTOR SHALL STRIP AND REMOVE (OR STOCKPILE) ALL TOPSOIL PRIOR TO COMMENCING WITH ANY EXCAVATION OR DEMOLITION.
20. EXISTING UTILITIES NOT TO BE UTILIZED BY THE NEW DEVELOPMENT SHALL BE CAPPED BY THE CONTRACTOR.

SITE GENERAL NOTES

1. ALL DIMENSIONS ARE MEASURED TO THE BACK OF CURB OR FACE OF BUILDING.
2. ALL LIGHT POLES TO BE LOCATED 3' FROM THE BACK OF CURB, AS MEASURED FROM THE FACE OF POLE FOUNDATION, UNLESS OTHERWISE DENOTED ON PLANS.
3. ALL SIGNAGE SHALL COMPLY WITH THE OHIO MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (O.M.U.T.C.D.)
   a. STOP SIGN
   b. DO NOT ENTER
4. ALL PAVEMENT MARKINGS AND STRIPING SHALL COMPLY WITH ODOT AND THE OHIO MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (O.M.U.T.C.D.)
   a. LANE LINE: 6" WHITE
   b. WORDING/LANE USE ARROWS AND HANDICAP AREA: WHITE
   c. PARKING STALLS: 4" YELLOW
   d. STOP LINE: 12" WHITE
5. BOLLARDS SHALL BE PLACED PER PLAN.
6. NEW CURB AND GUTTER ALONG EXISTING STREETS TO MATCH EXISTING CURB AND GUTTER IN KIND. IF UNDER DRAIN EXISTS, IT SHALL BE REPLACED.

GRADING GENERAL NOTES

1. CONTRACTOR SHALL CONSTRUCT SIDEWALKS SUCH THAT 2% IS THE MAXIMUM CROSS SLOPE, AND 5% IS THE MAXIMUM TRANSVERSE SLOPE, AND CURB RAMPS SHALL BE CONSTRUCTED PER DETAILS IN THESE PLANS, AND THE MAXIMUM SLOPES SHALL NOT BE EXCEEDED. FORMS SHALL BE PLACED FOR SIDEWALK AREA, AND THE SLOPES ARE TO BE VERIFIED PRIOR TO PLACING CONCRETE. IF SLOPES BECOME AN ISSUE, CONTRACTOR SHALL CONTACT THE ENGINEER.
2. CURB AND GUTTER SHALL PITCH OUT WHERE GRADING IS SLOPED AWAY FROM THE CURB AND SHALL PITCH IN WHEN GRADING IS SLOPED TOWARDS THE CURB. THE PITCH OF THE GUTTER SHALL MATCH PARKING LOT GRADES.
3. UNLESS OTHERWISE NOTED, ALL SPOT ELEVATIONS SHOWN ARE PAVEMENT ELEVATIONS.

PLANTING GENERAL NOTES:

1. ALL PLANT MATERIAL SHALL BE NORTHERN NURSERY GROWN NO. 1 GRADE AND INSTALLED ACCORDING TO ACCEPTED PLANTING PROCEDURES. ALL PLANT MATERIALS SHALL MEET CURRENT AMERICAN ASSOCIATION OF NURSERYMEN STANDARDS. DO NOT PLANT MATERIALS UNTIL DIRECTED BY OWNER/CONSTRUCTION MANAGER. THE OWNER RESERVES THE RIGHT TO REJECT ANY PLANT MATERIAL, FOR ANY REASON BEFORE OR AFTER IT IS INSTALLED.
2. SIZES SPECIFIED ARE MINIMUM SIZES TO WHICH THE PLANTS ARE TO BE INSTALLED. ANY PLANT SUBSTITUTIONS SHALL BE APPROVED BY THE MUNICIPALITY AND OWNER.
3. ALL LANDSCAPING SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH MUNICIPAL STANDARDS AND IN ACCORDANCE WITH CURRENT INDUSTRY STANDARDS IN A NEAT, HEALTH AND WEED FREE CONDITION. ANY DEAD, DISEASED OR DAMAGED PLANT MATERIALS ARE TO BE REPLACED IMMEDIATELY AFTER NOTIFIED TO DO SO. PLANT MATERIAL SHALL BE GUARANTEED FOR ONE YEAR AFTER PLANTING AND ACCEPTANCE.
4. PLANT TREES AND SHRUBS IN ACCORDANCE WITH PLANTING DETAILS. DIG TREE PITS PER DETAILS. PLANT TREES AND SHRUBS AT THE SAME GRADE LEVEL AT WHICH THEY WERE GROWN AT THE NURSERY. IF HEAVY CLAY SOILS ARE EVIDENT, PLANT TREES AND SHRUBS HIGHER, APPROX. ¼ OF THE ROOT BALL ABOVE GRADE.
5. REMOVE ALL TWINE, WIRE, NURSERY TREE GUARDS, TAGS AND INORGANIC MATERIAL FROM ROOT BALLS. REMOVE THE TOP 1/3 OF BURLAP FROM EARTH BALLS AND REMOVE BURLAP FROM AROUND TRUNK.
6. BRICK CHIPS OR WASHED GRAVEL IS REQUIRED FOR ALL PLANTINGS AND PLANTING BEDS.
7. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF ALL UNDERGROUND AND OVERHEAD UTILITIES. IF A CONFLICT WITH UTILITIES EXISTS, NOTIFY OWNER/CONSTRUCTION MANAGER PRIOR TO PLANTING.

UTILITY GENERAL NOTES:

1. COORDINATE ALL SITE UTILITY WORK WITH THE MECHANICAL AND ELECTRICAL DRAWINGS.
2. THE LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON THESE PLANS ARE BASED ON FIELD SURVEYS AND LOCAL UTILITY COMPANY RECORDS. IT SHALL BE THE CONTRACTOR'S FULL RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES TO LOCATE THEIR FACILITIES PRIOR TO STARTING CONSTRUCTION. NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR TO THESE FACILITIES CAUSED BY CONTRACTOR'S WORK FORCE.
3. CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL PERMITS REQUIRED TO PERFORM THE WORK PROPOSED ON THESE PLANS.
4. EXISTING AND PROPOSED GAS, ELECTRIC, TELEPHONE ASSUMED TO BE 36" COVER.
5. CONTRACTOR TO ENSURE MIN. 10' FOOT HORIZONTAL AND 18" VERTICAL CLEARANCE BETWEEN WATER AND SANITARY/STORM LINES.
6. ROOF DRAINS, FOUNDATION DRAINS, AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER SYSTEM ARE PROHIBITED.

STORM SEWER GENERAL NOTES:

1. ALL STORM SEWER PIPES SHALL BE MANUFACTURED WITH INTEGRAL BELL AND SPIGOT JOINTS INCLUDING A GASKET, SO AS TO PROVIDE A WATERTIGHT SEAL.
2. ALL STORM SEWER PIPES SHALL BE PVC SDR 35 WATERTIGHT PIPE CONFORMING TO ASTM SPECIFICATION D3034, UNLESS DENOTED OTHERWISE ON PLANS.
3. CONNECTIONS TO STRUCTURES SHALL BE MADE WATERTIGHT WITH NON-SHRINKING AND NON-CORROSIVE GROUT.

WATER GENERAL NOTES:

1. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO BUTLER COUNTY SANITARY ENGINEER FOR PIPE, FITTINGS, JOINTS, HYDRANTS, VALVES AND BOXES, TAPPING SADDLES, AND CORPORATION STOPS.
2. WATER SERVICE MATERIAL LARGER THAN 2" SHALL BE DUCTILE IRON IN CONFORMANCE WITH ANSI A21.51 (AWWA C151) DUCTILE IRON PIPE, CENTRIFUGALLY CAST IN METAL MOLDS OR SAND LINED MOLDS, FOR WATER OR OTHER LIQUIDS AND ANSI A21.50 (AWWA C150) THICKNESS DESIGN OF IRON PIPE. ALL SERVICE LINES 2" OR LESS SHALL BE COPPER TYPE K. SIZE TO BE AS NOTED IN PLAN VIEW. SERVICE CONNECTION TO HAVE MINIMUM COVER OF 60" COVER.
3. ALL FITTINGS SHALL BE DUCTILE IRON IN CONFORMANCE WITH AWWA C110 OR AWWA C153. ALL FITTINGS SHALL BE RATED FOR 350 PSI WORKING PRESSURE, HAVE MECHANICAL JOINTS AND BE COATED AND CEMENT MORTAR LINED IN ACCORDANCE WITH AWWA C104. ALL BOLTS AND NUTS SHALL BE COR-TEN.
4. A TEN FEET MINIMUM HORIZONTAL SEPARATION (OUT-TO-OUT, CLEAR) WILL BE MAINTAINED BETWEEN THE WATER LINE AND SANITARY SEWER.
5. AN 18-INCH MINIMUM VERTICAL SEPARATION (OUT-TO-OUT, CLEAR) WILL BE MAINTAINED BETWEEN THE WATER LINE AND SANITARY SEWER AT ALL CROSSINGS.
6. A TEN FEET MINIMUM HORIZONTAL SEPARATION (OUT-TO-OUT, CLEAR) WILL BE MAINTAINED BETWEEN THE WATER LINE AND STORM SEWER.
7. AN 18-INCH MINIMUM VERTICAL SEPARATION (OUT-TO-OUT, CLEAR) WILL BE MAINTAINED BETWEEN THE WATER LINE AND STORM SEWER AT ALL CROSSINGS.

SWPPP GENERAL NOTES

1. ALL EROSION AND SEDIMENTATION CONTROL SHALL BE PERFORMED ACCORDING TO: SWPPP AND DETAIL PLANS; ACCORDING TO THE LATEST EPA AUTHORIZATION FOR CONSTRUCTION ACTIVITY UNDER THE "NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM" (NPDES); ANY AND ALL REQUIRED PERMITS, REPORTS, AND RELATED DOCUMENTS. ALL CONTRACTORS AND SUBCONTRACTORS MUST BECOME FAMILIAR WITH ALL OF THE ABOVE.
2. CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES (BMPS) AS REQUIRED BY THE SWPPP. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AND GRADE CHANGES TO THE SITE AT NO ADDITIONAL COST TO OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
3. CONTRACTOR SHALL MINIMIZE CLEARING AND DISTURBANCE TO THE ENVIRONMENT TO THE MAXIMUM EXTENT POSSIBLE OR AS REQUIRED BY THE GENERAL PERMIT.
4. SEDIMENT STRUCTURE AND PERIMETER SEDIMENT BARRIERS SHALL BE IMPLEMENTED AS THE FIRST STEP OF GRADING WITHIN SEVEN (7) DAYS FROM THE START OF CLEARING AND GRUBBING, AND SHALL CONTINUE TO FUNCTION UNTIL THE SLOPE DEVELOPMENT AREA IS RE-STABILIZED.
5. PERMANENT SOIL STABILIZATION OF DISTURBED AREAS BY MEANS OF VEGETATION, LANDSCAPE TYPE MULCHING, MATTING, SOD, RIP RAP, AND OTHER APPROVED LANDSCAPING TECHNIQUES TO BE APPLIED AS FOLLOWS:
   - WITHIN SEVEN (7) DAYS OF ANY AREA THAT WILL BE DORMANT FOR ONE (1) YEAR OR MORE.
   - WITHIN TWO (2) DAYS OF ANY AREA WITHIN 50 FEET OF A STREAM AT FINAL GRADE.
   - WITHIN SEVEN (7) DAYS FOR ANY OTHER AREA AT FINAL GRADE.
6. TEMPORARY SOIL STABILIZATION OF DISTURBED AREAS BY MEANS OF TEMPORARY VEGETATION, MULCHING, GEOTEXTILES, SOD, PRESERVATION OF EXISTING VEGETATION, AND OTHER APPROVED TECHNIQUES TO BE APPLIED AS FOLLOWS:
   - WITHIN TWO (2) DAYS OF ANY AREA WITHIN 50 FEET OF A STREAM NOT AT FINAL GRADE.
   - WITHIN SEVEN (7) DAYS OF ANY AREA THAT WILL BE DORMANT FOR MORE THAN TWENTY ONE (21) DAYS, BUT LESS THAN ONE (1) YEAR.
   - PRIOR TO THE ONSET OF WINTER WEATHER FOR AREAS THAT WILL BE IDLE OVER WINTER.
7. TEMPORARY SEEDING, MULCHING, AND FERTILIZER SPECIFICATIONS:

   SEEDING: ANNUAL RYEGRASS AT 2.02 POUNDS PER 1,000 S.F.

   MULCHING: STRAW MATERIAL SHALL BE UNROTTED SMALL GRAIN STRAW APPLIED AT A RATE OF TWO (2) TON/ACRE, OR 80-100 POUNDS PER 1,000 S.F. MULCH MATERIALS SHALL BE RELATIVELY FREE OF ALL KINDS OF WEEDS AND SHALL BE FREE OF PROHIBITIVE NOXIOUS WEEDS. MULCH SHALL BE SPREAD UNIFORMLY BY HAND OR MECHANICAL MEANS. FROM NOVEMBER 01 THRU MARCH 15 INCREASE THE RATE OF STRAW MULCH TO THREE (3) TON/ACRE.

   FERTILIZER: APPLY FERTILIZER AT HALF THE RATE OF PERMANENT APPLICATION AND AS PER ODOT SPECIFICATIONS. IF PROJECT CONDITIONS PREVENT FERTILIZING THE SOIL, THEN THIS ITEM MAY BE WAIVED.
8. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION. ALL SLOPES 3:1 OR GREATER THAN 3:1 SHALL BE FERTILIZED, SEEDED, AND CURLEX BLANKETS BY AMERICAN EXCELSIOR COMPANY, NORTH AMERICAN GREEN, INC. OR AN APPROVED EQUAL AS SPECIFIED IN THE PLANS SHALL BE INSTALLED ON THE SLOPES.
9. NO SOLID (OTHER THAN SEDIMENT) OR LIQUID WASTE, INCLUDING BUILDING MATERIALS, SHALL BE DISCHARGED IN STORM WATER RUNOFF. ALL NON-SEDIMENT POLLUTANTS MUST BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL GUIDELINES. WASH OUT OF CEMENT TRUCKS SHOULD OCCUR IN DESIGNATED PIT OR DIKED AREAS, WHERE WASHINGS CAN BE REMOVED AND PROPERLY DISPOSED OFF-SITE WHEN THEY HARDEN. STORAGE TANKS SHOULD ALSO BE LOCATED IN PIT OR DIKED AREAS. IN ADDITION, SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS TO CLEAN AND CONTAIN FUEL AND CHEMICAL SPILLS MUST BE KEPT ON SITE.
10. IF THE ACTION OF VEHICLES TRAVELING OVER THE STABILIZED CONSTRUCTION EXIT DOES NOT SUFFICIENTLY REMOVE MOST OF THE DIRT AND MUD, THEN THE TIRES MUST BE WASHED BEFORE VEHICLES ENTER A PUBLIC ROAD. PROVISIONS MUST BE MADE TO INTERCEPT THE WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE.
11. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DISPOSED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE SITE THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.
12. DUST CONTROL USING APPROVED MATERIALS MUST BE PERFORMED AT ALL TIMES. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION IS PROHIBITED.
13. ON-SITE AND OFF-SITE STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION BY THE USE OF BEST MANAGEMENT PRACTICES. THESE AREAS MUST BE SHOWN IN THE SITE MAP AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS. AT A MINIMUM SILT FENCE TO BE PLACED AT PERIMETER OF STOCKPILE AREA TO PREVENT SOIL FROM LEAVING THE STOCKPILE AREA.
14. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED ONTO THE ROADWAYS OR INTO THE STORM SEWERS MUST BE REMOVED IMMEDIATELY.
15. ALL CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH DAY; THIS INCLUDES BACKFILLING OF TRENCHES FOR UTILITY CONSTRUCTION AND PLACEMENT OF GRAVEL OR ASPHALT FOR ROAD CONSTRUCTION.
16. THE LAST LAYER OF SOIL, INCLUDING TOP SOIL SHOULD BE COMPACTED TO 80% - 85% OF THE MAXIMUM STANDARD PROCTOR DENSITY, IN AREAS OUTSIDE THE PARKING LOT THAT WILL RECEIVE VEGETATION. THIS IS PARTICULARLY IMPORTANT IN CUT SLOPE AND EMBANKMENT AREAS. IN PAVEMENT AND ISLAND AREAS, IT IS RECOMMENDED THAT THE SOIL BE COMPACTED TO 98% AND 95% OF THE MAXIMUM STANDARD PROCTOR DENSITY RESPECTIVELY; THE LAST COMPACTED LAYER MAY BE SCARIFIED TO IMPROVE THE SOIL GROWTH CHARACTERISTICS.
17. ALL DEWATERING ACTIVITIES SUCH AS PUMPING DOWN OF FLOODED FOUNDATION AND UTILITY TRENCHES MUST PASS THROUGH THE RETROFITTED DETENTION BASIN OR A SEDIMENT CONTROL PRACTICE PRIOR TO LEAVING THE SITE.
18. SILT FENCE AND OTHER PERIMETER EROSION CONTROL MEASURES SHOWN OFF LIMITS OF DISTURBANCE FOR CLARITY PURPOSES ONLY. CONTRACTOR TO ENSURE PERIMETER EROSION CONTROL MEASURES ARE PLACED AT THE LIMITS OF DISTURBANCE. ANY DISCREPANCIES SHOULD BE BROUGHT TO THE ENGINEER PRIOR TO PLACEMENT OF ANY EROSION CONTROL MEASURES.

SWPPP MAINTENANCE NOTES

1. ALL CONTROL MEASURES STATED IN THE SWPPP SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL TEMPORARY OR PERMANENT STABILIZATION OF THE SITE IS ACHIEVED. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSPECTED BY A QUALIFIED PERSON IN ACCORDANCE TO THE CONTRACT DOCUMENTS OR THE APPLICABLE PERMIT, WHICHEVER IS MORE STRINGENT, AND REPAIRED ACCORDING TO THE FOLLOWING:
2. INLET PROTECTION DEVICES AND CONTROLS SHALL BE REPAIRED OR REPLACED WHEN THEY SHOW SIGNS OF UNDERMINING AND OR DETERIORATION. INLET PROTECTION DEVICES SHOULD BE ROUTINELY CLEANED AND MAINTAINED.
3. ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO ENSURE THAT A GOOD STANDING OF GRASS IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED, AND RESEEDED AS NEEDED.
4. MINIMIZE OFF-SITE SEDIMENT TRACKING OF VEHICLES BY THE USE OF STONE MATERIAL IN ALL CONSTRUCTION ENTRANCES, ALONG WITH REGULARLY SCHEDULED SWEEPING/GOOD HOUSEKEEPING. STABILIZED CONSTRUCTION ENTRANCES TO BE PROPERLY MAINTAINED BY GENERAL CONTRACTOR AND IN GOOD WORKING ORDER AT ALL TIMES; THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE STONE AS CONDITIONS DEMAND.
5. THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE) BY GENERAL CONTRACTOR. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AS CONDITIONS DEMAND.
6. CONTRACTORS AND SUBCONTRACTORS WILL BE RESPONSIBLE FOR REMOVING ALL SEDIMENT FROM THE SITE, AND STORM SEWER SYSTEMS. SEDIMENT DEPOSITION DURING SITE STABILIZATION MUST ALSO BE REMOVED.
7. STONE CONSTRUCTION EXIT TO BE MAINTAINED BY GENERAL CONTRACTOR UNTIL SITE HAS BEEN PAVED OR IS NO LONGER REQUIRED.
8. ALL CATCH BASIN GRATES ARE TO BE PROTECTED WITH INLET BAGS AFTER THEY ARE INSTALLED. THEY SHOULD BE ROUTINELY CLEANED AND MAINTAINED.
9. CONTAINERS SHALL BE AVAILABLE FOR DISPOSAL OF DEBRIS, TRASH, HAZARDOUS OR PETROLEUM WASTES. ALL CONTAINERS MUST BE COVERED AND LEAK-PROOF. ALL WASTE MATERIAL SHALL BE DISPOSED OF AT FACILITIES APPROVED FOR THE PERTINENT MATERIAL
10. BRICKS, HARDENING CONCRETE AND SOIL WASTE SHALL BE FREE FROM CONTAMINATION WHICH MAY LEACH CONSTITUENTS TO WATERS OF THE STATE.
11. CLEAN CONSTRUCTION WASTES THAT WILL BE DISPOSED INTO THE PROPERTY SHALL BE SUBJECT TO ANY LOCAL PROHIBITIONS FROM THIS TYPE OF DISPOSAL.
12. ALL CONSTRUCTION AND DEMOLITION DEBRIS (C&DD) WASTE SHALL BE DISPOSED OF IN AN APPROVED C&DD LANDFILL. ALSO, MATERIALS WHICH CONTAIN ASBESTOS MUST COMPLY WITH AIR POLLUTION REGULATIONS.
13. AREA SHALL BE DESIGNATED BY CONTRACTOR AND SHOWN ON SWPPP MAP FOR MIXING OR STORAGE OF COMPOUNDS SUCH AS FERTILIZERS, LIME ASPHALT, OR CONCRETE, THESE DESIGNATED AREAS SHALL BE LOCATED AWAY FROM WATERCOURSES, DRAINAGE DITCHES, FIELD DRAINS, OR OTHER STORMWATER DRAINAGE AREA.
14. EQUIPMENT FUELING & MAINTENANCE SHALL BE IN DESIGNATED AREAS ONLY.
15. A SPILL PREVENTION CONTROL AND COUNTERMEASURE (SPCC) PLAN MUST BE DEVELOPED FOR SITES WITH ONE ABOVE-GROUND STORAGE TANK OF 660 GALLONS OR MORE, TOTAL ABOVE-GROUND STORAGE OF 1,330 GALLONS OR BELOW-GROUND STORAGE OF 4,200 GALLONS OF FUEL.
16. ALL DESIGNATED CONCRETE WASHOUT AREAS SHALL BE LOCATED AWAY FROM WATERCOURSES, DRAINAGE DITCHES, FIELD DRAINS OR OTHER STORMWATER DRAINAGE AREAS.
17. ALL CONTAMINATED SOIL MUST BE TREATED AND/OR DISPOSED IN AN OHIO EPA APPROVED SOLID WASTE MANAGEMENT FACILITY OR HAZARDOUS WASTE TREATMENT, STORAGE OR DISPOSAL FACILITIES.
18. THE CONTRACTOR SHALL CONTACT THE OHIO EPA, THE LOCAL FIRE DEPARTMENT AND THE LOCAL EMERGENCY PLANNING COMMITTEE IN THE EVENT OF A PETROLEUM SPILL (>25 GALLONS) OR THE PRESENCE OF SHEEN.
19. OPEN BURNING IS NOT PERMITTED ON THE SITE.
20. CONTRACTOR TO ENSURE STREETS SHALL BE CLEARED OF DEBRIS FROM SITE AND SWEPT CLEAN ON AN AS NEEDED BASIS.

QUANTITIES SUMMARY

ITEM	QUANTITY	UNIT
6" CONCRETE PAVEMENT, ON-SITE	33,538	SQ. FT.
7" CONCRETE PAVEMENT, APPROACHES	2,156	SQ. FT.
8" CONCRETE PAVEMENT, ON-SITE	1,705	SQ. FT.
CONCRETE CURB, ON-SITE/APPROACHES	915	LIN. FT.
SIDEWALK, NOT ADJACENT TO STORE	146	SQ. FT.
DETENTION SYSTEM	N/A	CU. FT.
WATER MAIN	338	LIN. FT.
SEWER SERVICE - SDR 35 (DIRECT BURY)	97	LIN. FT.
WATER SERVICE - TYPE K SOFT COPPER (DIRECT BURY)	338	LIN. FT.
STORM PIPING - HDPE	414	LIN. FT.
STORM DOWNSPOUT PIPING - PVC	411	LIN. FT.
SANITARY SEWER CLEANOUT	4	EACH
STORM SEWER CLEANOUT	6	EACH
GREASE TRAP	1	EACH
STORM STRUCTURES	5	EACH
NYLOPLAST 30" MANHOLE	1	EACH
WATER QUALITY DEVICE	N/A	EACH
EARTHWORK CUT & HAUL	TBD	CU. YD.
EARTHWORK CUT & RESPREAD	TBD	CU. YD.
EARTHWORK IMPORT & PLACE	TBD	CU. YD.
6' TALL CHAIN LINK FENCE	N/A	LIN. FT.
SOD AREA	22,096	SQ. FT.
SEED AREA	N/A	SQ. FT.
ASPHALT PAVEMENT DEMOLITION, ON-SITE	N/A	SQ. FT.
CONCRETE PAVEMENT DEMOLITION, ON-SITE	N/A	SQ. FT.
GRAVEL DEMOLITION, ON-SITE	N/A	SQ. FT.
BUILDING DEMOLITION - FRAME GARAGE	N/A	SQ. FT.
BUILDING DEMOLITION - ONE AND ONE-HALF STORY HOME	N/A	SQ. FT.
BUILDING DEMOLITION - ONE-STORY FRAME COMMERCIAL	N/A	SQ. FT.
BUILDING DEMOLITION - TWO-STORY FRAME COMMERCIAL	N/A	SQ. FT.

*CONTRACTOR TO PROVIDE A COMPLETE QUANTITIES TABLE PER THE CONSTRUCTION DOCUMENTS. QUANTITIES PROVIDED AS PART OF THIS SUMMARY ARE FOR REFERENCE PURPOSES ONLY AND ARE NOT A BASIS FOR CHANGE ORDER IF ADDITIONAL QUANTITY IS INSTALLED AS PART OF THE ORIGINAL BID DOCUMENTS.

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CESO
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NO.	DATE	REVISION DESCRIPTION

STATE OF OHIO
JEFFREY LONCHOR
E-85208
REGISTERED PROFESSIONAL ENGINEER

Casey's

CASEY'S GENERAL STORES

HAMILTON, OH

PRINCETON RD
HAMILTON, OH 45011

GENERAL NOTES

ISSUE:	PERMIT SET
DATE:	01.21.2021
JOB NO.:	756995
DESIGN:	MST
DRAWN:	MST
CHECKED:	JJL
SHEET NO.	C-002

ALTA / NSPS LAND TITLE SURVEY

3100 PRINCETON ROAD
SECTIONS 20 AN 26, TOWN 2, RANGE 3
FAIRFIELD TOWNSHIP, BUTLER COUNTY, OHIO

EXHIBIT "A" LEGAL DESCRIPTION

(FROM TITLE COMMITMENT PROVIDED BY FIRST AMERICAN TITLE INSURANCE COMPANY, FILE NUMBER NCS-968935-COL WITH AN EFFECTIVE DATE OF JULY 16, 2019 AT 7:30 AM.)

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE COUNTY OF BUTLER, STATE OF OHIO, AND IS DESCRIBED AS FOLLOWS:

SITUATED IN SECTIONS 26 AND 20, TOWN 2, RANGE 3, FAIRFIELD TOWNSHIP, BUTLER COUNTY, OHIO AND BEING A 27.499 ACRE TRACT OF LAND IN PART OF LOTS #679 AND #471 AS KNOWN AND DESIGNATED ON THE LIST OF LOTS IN SAID FAIRFIELD TOWNSHIP/INDIAN SPRINGS AND BEING FURTHER DESCRIBED AS FOLLOWS:

BEGINNING AT AN EXISTING SPIKE AT THE SOUTHEAST CORNER OF AFOREMENTIONED SECTION 26, SAID POINT BEING IN THE CENTERLINE OF PRINCETON ROAD;

THENCE ALONG THE SOUTH LINE OF SAID SECTION AND ALONG SAID CENTERLINE NORTH 89° 39' 49" WEST, 361.28 FEET;

THENCE LEAVING SAID SECTION LINE AND SAID CENTERLINE NORTH 00° 20' 11" EAST, PASSING AN EXISTING 1/2" IRON PIN IN THE FUTURE NORTHERLY RIGHT-OF-WAY LINE OF AFOREMENTIONED PRINCETON ROAD AT 50.00 FEET, 489.69 FEET TO AN EXISTING 1/2" IRON PIN;

THENCE NORTH 89° 37' 50" WEST, 498.71 FEET TO A POINT IN THE EASTERLY RIGHT-OF-WAY LINE OF WALDEN PONDS CIRCLE; SAID POINT WITNESSED BY AN EXISTING PK NAIL IN THE CENTER OF SAID WALDEN PONDS CIRCLE AT NORTH 89° 37' 50" WEST, 30.00 FEET;

THENCE ALONG SAID EASTERLY RIGHT-OF-WAY LINE NORTH 00° 22' 10" EAST, 137.79 FEET;

THENCE ALONG A 15.00 FOOT RADIUS CURVE TO THE RIGHT AN ARC LENGTH OF 23.56 FEET, A CHORD BEARING OF NORTH 45° 22' 10" EAST, A CHORD DISTANCE OF 21.21 FEET;

THENCE NORTH 00° 22' 10" EAST, 60.00 FEET TO A POINT WITNESSED BY A SET PK NAIL IN THE CENTERLINE OF AFOREMENTIONED WALDEN PONDS CIRCLE AT NORTH 89° 37' 50" WEST, 45.00 FEET;

THENCE LEAVING SAID RIGHT-OF-WAY LINE SOUTH 89° 37' 50" EAST, 642.20 FEET TO A SET 1/2" IRON PIN;

THENCE SOUTH 88° 59' 00" EAST, 200.02 FEET TO A SET 1/2" IRON PIN IN THE WESTERLY LINE OF AFOREMENTIONED SECTION 20; THENCE NORTH 89° 42' 41" EAST, 1197.65 FEET TO A SET 1/2" IRON PIN; THENCE SOUTH 00° 17' 19" EAST, 700.00 FEET TO A SET PK NAIL IN THE SOUTH LINE OF AFOREMENTIONED SECTION 20, SAID POINT BEING IN THE CENTERLINE OF AFOREMENTIONED PRINCETON ROAD;

THENCE ALONG THE SOUTH LINE OF SAID SECTION AND ALONG SAID CENTERLINE SOUTH 89° 42' 41" WEST, 1202.64 FEET TO THE POINT OF BEGINNING, CONTAINING 8,213 ACRES OF LAND IN SECTION 26 AND CONTAINING 19.286 ACRES OF LAND IN SECTION 20 FOR A TOTAL OF 1,197,851.78 SQUARE FEET OR 27.499 ACRES OF LAND.

THE ABOVE DESCRIPTION WAS PREPARED FROM A SURVEY DATED AUGUST 19, 1998 MADE BY TODD K. TURNER, REGISTERED SURVEYOR #7684 IN THE STATE OF OHIO.
THE PLAT OF WHICH IS RECORDED IN VOLUME 35, PAGE 180 OF THE BUTLER COUNTY ENGINEER'S RECORDS OF LARVEYS. SAVE AND EXCEPTING THEREFROM:

SITUATED IN SECTION 20, TOWN 2, RANGE 3, FAIRFIELD TOWNSHIP, BUTLER COUNTY, OHIO AND BEING A 0.080 ACRE TRACT OF LAND IN PART OF LOT #471 AS KNOWN AND DESIGNATED ON THE LIST OF LOTS IN SAID FAIRFIELD TOWNSHIP AND BEING FURTHER DESCRIBED AS FOLLOWS:

BEGINNING AT A SET 5/8" IRON PIN THE SOUTHEAST CORNER OF LOT #6913 OF SHAFER'S RUN SUBDIVISION, SECTION FIVE AS RECORDED IN ENVELOPE 3188, PAGES A-D OF THE PLAT RECORDS OF BUTLER COUNTY, OHIO AND BEING THE TRUE POINT OF BEGINNING;

THENCE ALONG SAID SOUTHERLY LINE OF SHAFER'S RUN SUBDIVISION, SECTION FIVE NORTH 89° 42' 41" EAST, 52.44 FEET TO AN EXISTING CONCRETE MONUMENT;

THENCE ALONG THE WESTERLY LINE OF SHAFER'S RUN SUBDIVISION, SECTION FIVE SOUTH 00° 17' 19" EAST, 133.53 FEET;

THENCE LEAVING SAID WESTERLY LINE NORTH 21° 43' 42" WEST, 143.46 FEET TO THE POINT OF BEGINNING, CONTAINING 3,501.05 SQUARE FEET OR 0.080 ACRES OF LAND.

THE ABOVE DESCRIPTION WAS PREPARED FROM A SURVEY DATED MAY 17, 2001 MADE BY TODD K. TURNER, REGISTERED SURVEYOR #7684 IN THE STATE OF OHIO.

THE PLAT OF SURVEY IS RECORDED IN VOLUME 41, PAGE 58 OF THE BUTLER COUNTY ENGINEER'S RECORDS AND DESCRIBED IN OR BOOK 6717, PAGE 864.

ⓑ SCHEDULE BII ITEMS:

ITEMS 1-10 & 18 ARE NOT SURVEY RELATED.

SCHEDULE BII ITEMS:

ITEM #11 EASEMENT FROM GRANT HOLLADAY CONSTRUCTION CORPORATION TO THE CITY OF HAMILTON, OHIO RECORDED OCTOBER 16, 1967 IN/AS BOOK 878, PAGE 372 OF BUTLER COUNTY RECORDS.

EASEMENTS ARE ON SUBJECT PARCEL AND SHOWN HEREON

ITEM #12 EASEMENT FROM GRANT HOLLADAY CONSTRUCTION CORPORATION TO THE CITY OF HAMILTON, OHIO RECORDED MARCH 18, 1969 IN/AS BOOK 912, PAGE 663 OF BUTLER COUNTY RECORDS.

EASEMENTS ARE ON SUBJECT PARCEL AND SHOWN HEREON

ITEM #13 RESERVATIONS AS CONTAINED IN WARRANTY DEED RECORDED DECEMBER 28, 1998, IN/AS OR VOLUME 6308, PAGE 886 OF BUTLER COUNTY RECORDS.

EASEMENT ADJOINS SUBJECT PARCEL AND IS SHOWN HEREON

ITEM #14 EASEMENTS, RESTRICTIONS AND REVERTER CLAUSE AS DISCLOSED IN WARRANTY DEED RECORDED DECEMBER 29, 1998, IN/AS OR BOOK 6308, PAGE 2104 OF BUTLER COUNTY RECORDS.

EASEMENT IS ON SUBJECT PARCEL AND SHOWN HEREON. DOCUMENT IS WARRANTY DEED FOR SUBJECT PARCEL

ITEM #15 UTILITY AND PUBLIC DRAINAGE EASEMENT FROM FIRST CHURCH OF GOD, INC. FKA FIRST CHURCH OF GOD OF HAMILTON, OHIO TO THE BOARD OF TOWNSHIP TRUSTEES OF FAIRFIELD TOWNSHIP, BUTLER COUNTY, OHIO RECORDED DECEMBER 13, 2001 IN/AS OR BOOK 6728, PAGE 2126 OF BUTLER COUNTY RECORDS.

EASEMENT IS ON SUBJECT PARCEL AND SHOWN HEREON

ITEM #16 INGRESS/EGRESS AND UTILITY EASEMENT FROM FIRST CHURCH OF GOD, INC. FKA FIRST CHURCH OF GOD OF HAMILTON, OHIO TO THE BOARD OF TOWNSHIP TRUSTEES OF FAIRFIELD TOWNSHIP, BUTLER COUNTY, OHIO RECORDED DECEMBER 13, 2001 IN/AS OR BOOK 6728, PAGE 2130 OF BUTLER COUNTY RECORDS.

EASEMENT IS ON SUBJECT PARCEL AND SHOWN HEREON

ITEM #17 GRANT OF EASEMENT FROM FIRST CHURCH OF GOD OF HAMILTON OHIO TO DUKE ENERGY OHIO, INC. RECORDED AUGUST 23, 2007 IN/AS BOOK 7933, PAGE 411 OF BUTLER COUNTY RECORDS.

EASEMENT LOCATION CANNOT BE DETERMINED FROM THE RECORD DOCUMENT
DOCUMENT REFERENCES BUTLER COUNTY ROAD PLANS PRINCETON ROAD PROJECT #I0018-01.298 PART II WHICH WAS NOT PROVIDED

ITEM #19 EASEMENT FOR ROAD PURPOSES FROM FIRST CHURCH OF GOD OF HAMILTON, OHIO TO BOARD OF COMMISSIONERS, BUTLER COUNTY, OHIO RECORDED OCTOBER 01, 2007 IN/AS BOOK 7945, PAGE 1733 OF BUTLER COUNTY RECORDS.

EASEMENT IS ON SUBJECT PARCEL AND SHOWN HEREON

ITEM #20 RECIPROCAL DRIVEWAY EASEMENT AND MAINTENANCE AGREEMENT BY AND AMONG HARRY THOMAS, JR., FIRST CHURCH OF GOD OF HAMILTON AND JDL-HAMILTON, LLC AS DISCLOSED BY THE DOCUMENT RECORDED JULY 29, 2002 IN/AS OR BOOK 6862, PAGE 1815 OF BUTLER COUNTY RECORDS.

EASEMENTS ADJOIN SUBJECT PARCEL AND ARE SHOWN HEREON

ITEM #21 EASEMENTS AS SHOWN ON SURVEY PLAT RECORDED IN PLAT BOOK 35, PAGE 180 OF BUTLER COUNTY RECORDS.

EASEMENTS ARE ON SUBJECT PARCEL AND SHOWN HEREON

ITEM #22 EASEMENTS AS SHOWN ON SURVEY PLAT RECORDED IN PLAT BOOK 36, PAGE 49 OF BUTLER COUNTY RECORDS.

EASEMENT ADJOINS SUBJECT PARCEL AND IS SHOWN HEREON

ITEM #23 EASEMENTS AS SHOWN ON SURVEY PLAT RECORDED IN PLAT BOOK 34, PAGE 51 OF BUTLER COUNTY RECORDS.

EASEMENT ADJOINS SUBJECT PARCEL AND IS SHOWN HEREON

ITEM #24 RESERVATIONS, UTILITY AND DRAINAGE EASEMENTS AS CONTAINED IN GENERAL WARRANTY DEED RECORDED JANUARY 03, 1998, IN/AS OR VOLUME 6194, PAGE 1896 OF BUTLER COUNTY RECORDS.

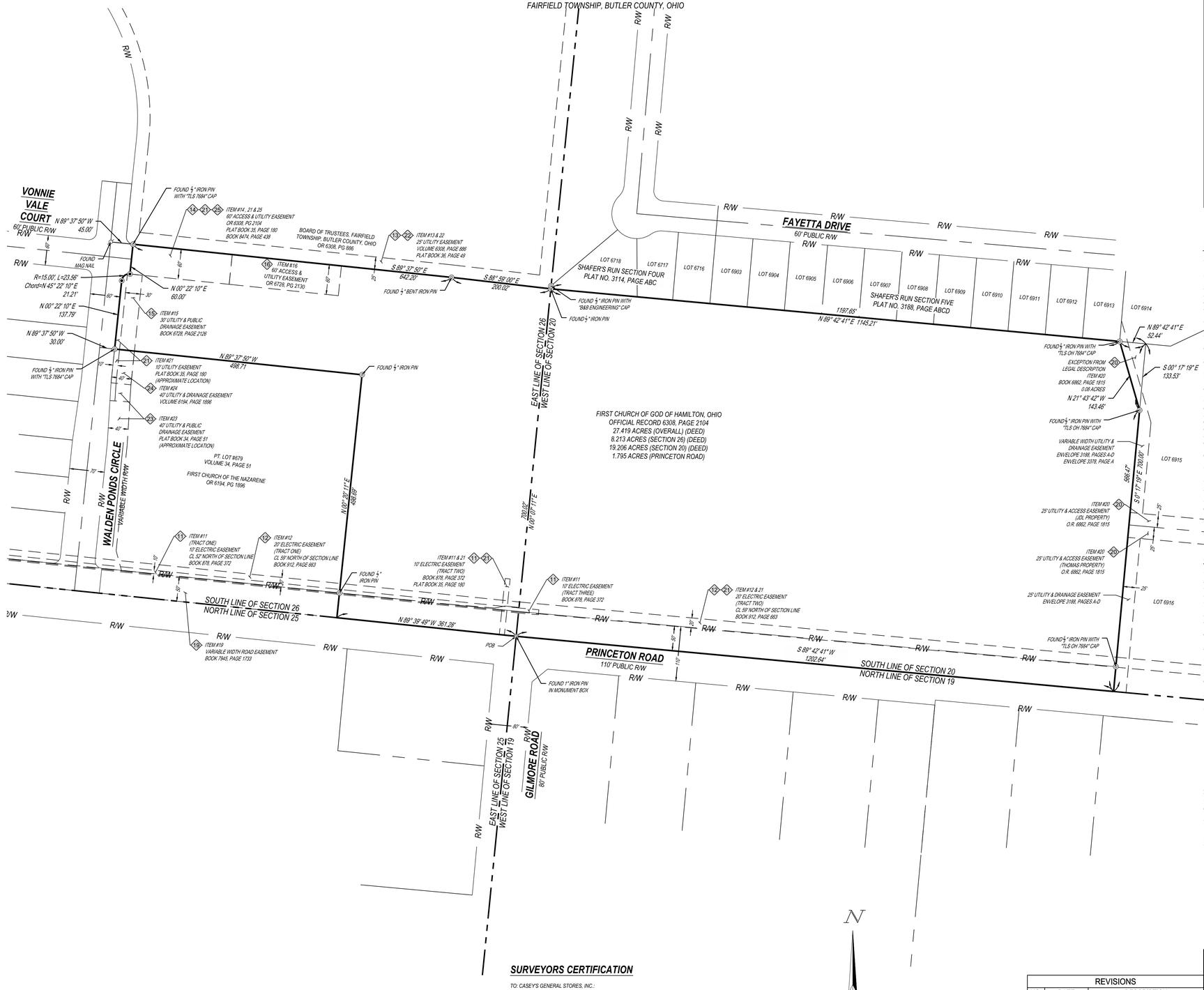
EASEMENT ADJOINS SUBJECT PARCEL AND IS SHOWN HEREON

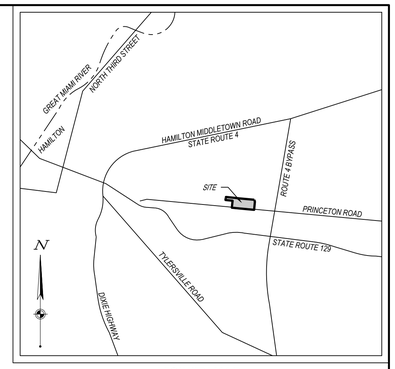
ITEM #25 OPEN-END MORTGAGE, SECURITY AGREEMENT AND ASSIGNMENT OF RENTS AND LEASES FROM THE FIRST CHURCH OF GOD OF HAMILTON TO WESLEYAN INVESTMENT FOUNDATION INC., TO SECURE $2,460,000.00, FILED FOR RECORD AUGUST 03, 2012 IN/AS BOOK 8474, PAGE 438 OF BUTLER COUNTY RECORDS, COVERING PREMISES DESCRIBED IN SCHEDULE A, TOGETHER WITH ANY AND ALL TERMS, CONDITIONS AND RESTRICTIONS CONTAINED THEREIN.

EASEMENT IS ON SUBJECT PARCEL AND SHOWN HEREON

UTILITY DISCLAIMER:

THE UTILITIES SHOWN HEREON HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND/OR EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARENTEE THAT THE UTILITIES LOCATED HEREON COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UTILITIES LOCATED ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFIY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE.





VICINITY MAP:
NOT TO SCALE

TABLE A ITEMS

1. MONUMENTS FOUND OR SET AS SHOWN.

2. ADDRESS: 3100 PRINCETON ROAD.

3. BY INFORMATION PROVIDED BY FEMA FLOOD MAP SERVICE CENTER, THIS PROPERTY WAS FOUND TO BE LOCATED WITHIN FLOOD ZONE X, AREAS DETERMINED TO BE OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOODPLAIN, BY THE FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NO. 39017C0194E, WHICH BEARS AN EFFECTIVE DATE OF DECEMBER 17, 2010.

4. GROSS LAND AREA AS SHOWN.

5. VERTICAL DATUM ESTABLISHED USING GEOID 12B.

6(a). ZONING CLASSIFICATION NOT PROVIDED BY THE INSURER.

6(b). ZONING SETBACKS NOT PROVIDED BY THE INSURER.

7(a). NO BUILDINGS LOCATION WITHIN LIMITS OF TOPOGRAPHIC SURVEY.

8. SUBSTANTIAL FEATURES OBSERVED IN THE PROCESS OF CONDUCTING THE SURVEY ARE AS SHOWN.

11. UTILITIES ARE DEPICTED IN ACCORDANCE TO THE AMERICAN SOCIETY OF CIVIL ENGINEERS STANDARD GUIDELINE FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA. UTILITIES AS SHOW WERE FROM OBSERVED EVIDENCE TOGETHER WITH EVIDENCE FROM PLANS FROM UTILITY COMPANIES, OR PROVIDED BY CLIENT. NOTE - LACKING EXCAVATION, THE EXACT LOCATION OF UNDERGROUND FEATURES CANNOT BE ACCURATELY, COMPLETELY AND RELIABLITY DEPICTED. WHERE ADDITIONAL OR MORE DETAILED INFORMATION IS REQUIRED, THE CLIENT IS ADVISED THAT EXCAVATION MAY BE NECESSARY.

OUPS UTILITY LOCATE ORDER A920300622.

13. NAMES OF ADJOINERS AS SHOWN.

16. NO OBSERVED EVIDENCE OF CURRENT EARTH MOVING WORK, BUILDING CONSTRUCTION OR BUILDING ADDITIONS AT THE TIME OF THIS SURVEY.

17. NO PROPOSED CHANGES IN STREET RIGHT OF WAY LINES, NO EVIDENCE OF STREET OR SIDEWALK CONSTRUCTION OR REPAIRS OBSERVED AT TIME OF SURVEY.

18. A FIELD DELINEATION OF WETLANDS SURVEY WAS NOT CONDUCTED AT THE TIME OF SURVEY.

19. PLOTTABLE OFFSITE EASEMENTS PROVIDED AS SHOWN.

SURVEYORS NOTES:

THIS SURVEY DOES NOT CONSTITUTE A TITLE SEARCH BY THE SURVEYOR. ALL INFORMATION REGARDING RECORD EASEMENTS AND OTHER DOCUMENTS THAT MIGHT AFFECT THE QUALITY OF TITLE TO THE PARCEL SHOWN HEREON WERE OBTAINED THROUGH A CERTIFIED TITLE COMMITMENT CONDUCTED BY FIRST AMERICAN TITLE INSURANCE COMPANY, FILE NUMBER NCS-968935-COL WITH AN EFFECTIVE DATE OF JULY 16, 2019 AT 7:30 AM.

ALL DATA SOURCES, DOCUMENTS AND RECORDS SHOWN HEREON ARE ON FILE IN THE BUTLER COUNTY RECORDERS OFFICE LOCATED IN HAMILTON, OHIO.

OCCUPATION IN GENERAL MATCHED THE SURVEY

MONUMENTS FOUND ARE IN GOOD CONDITION UNLESS NOTED OTHERWISE

THIS IS NOT A RECORDABLE DOCUMENT FOR TRANSFER OF TITLE

THIS SURVEY MEETS ALL OF THE ACCURACY REQUIREMENTS FOR BOUNDARY SURVEYS AS SET FORTH BY O.A.C. 4733-33.

BASIS OF BEARINGS - OFFICIAL RECORD 6308, PAGE 2104

SOURCE DOCUMENTS USED:
SHAFER'S RUN SECTION ONE
PLAT ENVELOPE 3114, PACES A-C (SHAFER'S RUN SECTION FOUR)
PLAT ENVELOPE 3188, PAGES A-D (SHAFER'S RUN SECTION FIVE)
PLAT ENVELOPE 3360, PAGES A-B (INDIAN SPRINGS MARKET CENTER)
PLAT ENVELOPE 3378, PAGE A (NEW LOTS #7645 & #7646)
OFFICIAL RECORD 8085, PAGE 2068 (PRINCETON & GILMORE SUBDIVISION)
BOOK 8938, PAGE 899 (NEW LOT #9156 & LOT #9157)
BOOK 8980, PAGE 1569 (NEW LOT #9162, #9163, & #9164)
VOLUME 41, PAGE 58 (PLAT OF SURVEY PT. LOT #471)
VOLUME 46, PAGE 92 (PLAT OF SURVEY 1.3125 ACRE TRACT)

HORIZONTAL DATUM - U.S. STATE PLANE, NAD83 OHIO SOUTH (3402) ESTABLISHED FROM UTILIZING THE OHIO VIRTUAL REFERENCE STATION PROVIDED BY THE OHIO DEPARTMENT OF TRANSPORTATION. COORDINATES TAKEN TO GROUND AT LATITUDE N39°23'29.50770", LONGITUDE W84°30'52.23653", PROJECT HEIGHT 646.699' GROUND SCALE FACTOR 1.000095056416.

VERTICAL DATUM - NAVD88 COMPUTED USING GEOID 12B

LEGEND:

- PROPERTY BOUNDARY
- ADJOINER PROPERTY LINE
- R/W — RIGHT-OF-WAY LINE
- SECTION LINE
- EASEMENT LINE
- ◎ FOUND IRON PIN
- ◉ SET IRON PIN
- FOUND MAG NAIL

SURVEYORS CERTIFICATION

TO: CASEY'S GENERAL STORES, INC.:

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2016 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS. JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 1, 2, 3, 4, 5, 6(A), 6(B), 7(A), 8, 11, 13, 16, 17, 18, AND 19 OF TABLE A THEREOF. THE FIELD WORK WAS COMPLETED ON JULY 24, 2019.

PRELIMINARY

MICHAEL JAY WILSON, P.S. *DATE*
OHIO PROFESSIONAL SURVEYOR #8281

DEVELOPER:
CASEY'S GENERAL STORES, INC.
ONE SE CONVENIENCE BOULEVARD
ANKENY, IOWA 50021

SURVEYOR:
CESO, INC.
3601 RIGBY ROAD, SUITE 300
MIAMISBURG, OHIO 45342
(937) 435-8584

REVISIONS		
NO.	DATE	DESCRIPTION

ALTA/NSPS LAND TITLE SURVEY

CASEY'S GENERAL STORES

3100 PRINCETON ROAD
FAIRFIELD TOWNSHIP

SECTIONS 20 & 26, TOWN 2, RANGE 3
BUTLER COUNTY, OHIO

SCALE: 1"=100'

DATE: 8/7/2019

DESIGN: N/A
DRAWN: DMT
CHECKED: MJW

CESO
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JOB NO.: 756995

SHEET NO.: 1 OF 2

W:\PROJECTS\CASEYS\756995-HAMILTON OH\04-SURVEY\DWG\756995-ALTA.DWG - 8/6/2019 3:03 PM

PT. LOT #679
VOLUME: 34, PAGE 51

FIRST CHURCH OF THE NAZARENE
OR 6194, PG 1896

FIRST CHURCH OF GOD OF HAMILTON, OHIO
OFFICIAL RECORD 6308, PAGE 2104
27.419 ACRES (OVERALL) (DEED)
8.213 ACRES (SECTION 26) (DEED)
19.206 ACRES (SECTION 20) (DEED)
1.795 ACRES (PRINCETON ROAD)

EAST LINE OF SECTION 26
WEST LINE OF SECTION 20

N 00° 20' 11" E
498.89'

S 00° 20' 11" W
1007.07'

N 89° 39' 49" W 361.28'

SOUTH LINE OF SECTION 26
NORTH LINE OF SECTION 25

EAST LINE OF SECTION 25
WEST LINE OF SECTION 19

ITEM #12
20' ELECTRIC EASEMENT
(TRACT ONE)
CL 59' NORTH OF SECTION LINE
BOOK 912, PAGE 663

ITEM #11
10' ELECTRIC EASEMENT
(TRACT THREE)
BOOK 878, PAGE 372

ITEM #11 & 21
10' ELECTRIC EASEMENT
(TRACT TWO)
BOOK 878, PAGE 372
PLAT BOOK 39, PAGE 180

ITEM #12 & 21
20' ELECTRIC EASEMENT
(TRACT TWO)
CL 59' NORTH OF SECTION LINE
BOOK 912, PAGE 663

BM#1191=741.20'

BM#1270=754.09'

BM#1514=757.78'

FOUND ½" IRON PIN

FOUND 1" IRON PIN IN MONUMENT BOX

DIRECTIONAL SIGN

KEEP RIGHT

ONE WAY

CONC. TRI ATOR

TRAFFIC SIGNAL POLE

TRAFFIC SIGNAL EQUIPMENT

THRU TRAFFIC KEEP LEFT

45MPH

CURB INLET
RIM=744.06
12" S CPP INV=740.49

12" DIP WATERLINE
(PER RECORD)

CURB INLET
RIM=746.31
12" W CPP INV=742.46

STORM MANHOLE
RIM=744.64
12" N CPP INV=737.39
12" E CPP INV=739.60
12" W CPP INV=736.74

12" GAS LINE
(PER RECORD)

12" CPP
INV=751.61

CURB INLET
RIM=757.92
12" S CPP INV=750.92

12" CPP INV=752.47

TRAFFIC SIGNAL POLE

CURB INLET
RIM=757.74
12" N CPP INV=750.74
12" E CPP INV=753.54
15" S CPP INV=749.84

ASPHALT

A/C

PRINCETON ROAD
110' PUBLIC R/W

GILMORE ROAD
80' PUBLIC R/W

80'

110'

50'

16.0'

31.8'

LEGEND:

- PROPERTY BOUNDARY
- ADJOINER PROPERTY LINE
- R/W — RIGHT-OF-WAY LINE
- SECTION LINE
- EASEMENT LINE
- FOUND IRON PIN
- SET IRON PIN
- FOUND MAG NAIL
- BENCHMARK
- (R) — RECORD DATA
- EXISTING EDGE OF PAVEMENT
- EXISTING CONCRETE CURB & GUTTER
- EXISTING EDGE OF WALK
- 500 — EXISTING MAJOR CONTOUR
- 501 — EXISTING MINOR CONTOUR
- STM — EXISTING STORM SEWER
- EXISTING CURB INLET
- EXISTING STORM SEWER MANHOLE
- SAN — EXISTING SANITARY SEWER
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING GAS VALVE
- OHL — EXISTING OVERHEAD UTILITY WIRES
- EXISTING UTILITY POLE
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- W — EXISTING WATERLINE
- G — EXISTING GAS LINE

BENCHMARKS

BM#1191: BENCH NAIL SET SOUTH SIDE OF POWER POLE #JH-0009. NORTH SIDE OF PRINCETON ROAD, SOUTH OF WALDEN PONDS COMMUNITY CHURCH BUILDING. ELEVATION=741.20

BM#1270: BENCHNAIL SET NORTH SIDE OF POWER POLE #J12-0013 SOUTHWEST OF GILMORE ROAD AND PRINCETON ROAD INTERSECTION, NORTH OF POPEYE'S CHICKEN. ELEVATION=754.09

BM#1514: CHISELED BOX SOUTHWEST CORNER OF TRAFFIC SIGNAL LIGHT POLE BASE. LOCATED ON NORTHEAST CORNER OF PRINCETON ROAD AN GILMORE ROAD INTERSECTION. ELEVATION=757.78

N

30 0 30 60
GRAPHIC SCALE (IN FEET)

ALTA/NSPS LAND TITLE SURVEY

CASEY'S - HAMILTON, OHIO

3100 PRINCETON ROAD
FAIRFIELD TOWNSHIP

SECTIONS 20 & 26, TOWN 2, RANGE 3
BUTLER COUNTY, OHIO

SCALE: 1"=30'

DATE: 8/7/2019

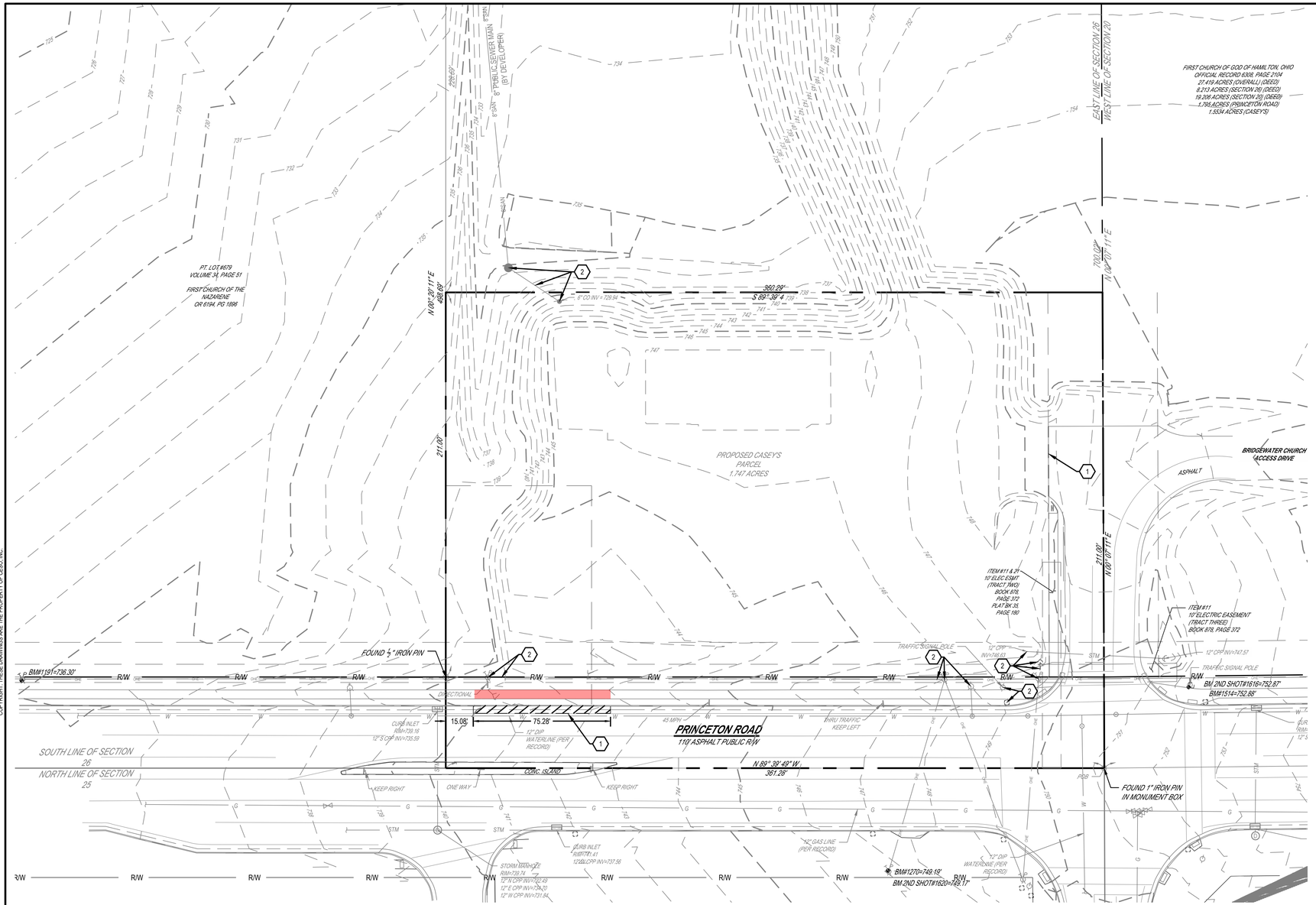
DESIGN: N/A
DRAWN: DMT
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JOB NO.: 756995

SHEET NO.: 2 OF 2

W:\PROJECTS\CASEYS\756995-HAMILTON OH\04-SURVEY\DWG\756995-ALTA.DWG - 8/6/2019 3:03 PM



LEGEND

EXISTING

REFER TO SHEET C-001 FOR EXISTING FEATURES LEGEND

PROPOSED

REMOVE AND DISPOSE OF EXISTING CURB AND GUTTER

CODED NOTES:

1. SAW-CUT LINE FOR EXISTING CURB TO BE REMOVED.
2. PROTECT EXISTING UTILITY / UTILITY STRUCTURE.

N

30 0 30 60

GRAPHIC SCALE (IN FEET)

BENCHMARK		
	ELEVATION*	DESCRIPTION
BM #1191	736.30	BENCH NAIL SET SOUTH SIDE OF POWER POLE #JH-0009. NORTH SIDE OF PRINCETON ROAD, SOUTH OF WALDEN PONDS COMMUNITY CHURCH BUILDING.
BM #1270	749.19	BENCHNAIL SET NORTH SIDE OF POWER POLE #J12-0013 SOUTHWEST OF GILMORE ROAD AND PRINCETON ROAD INTERSECTION, NORTH OF POPEYE'S CHICKEN.
BM #1514	752.88	CHISELED BOX SOUTHWEST CORNER OF TRAFFIC SIGNAL LIGHT POLE BASE. LOCATED ON NORTHEAST CORNER OF PRINCETON ROAD AND GILMORE ROAD INTERSECTION.

* VERTICAL DATUM: NAVD88

NOTE: REFER TO ALTA SURVEY, SHEET C-003, FOR BENCHMARK LOCATIONS.

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NO.	DATE	REVISION DESCRIPTION

STATE OF OHIO
JEFFREY LONCHOR
E-85208
REGISTERED PROFESSIONAL ENGINEER
1/21/2021

Casey's

CASEY'S GENERAL STORES

HAMILTON, OH

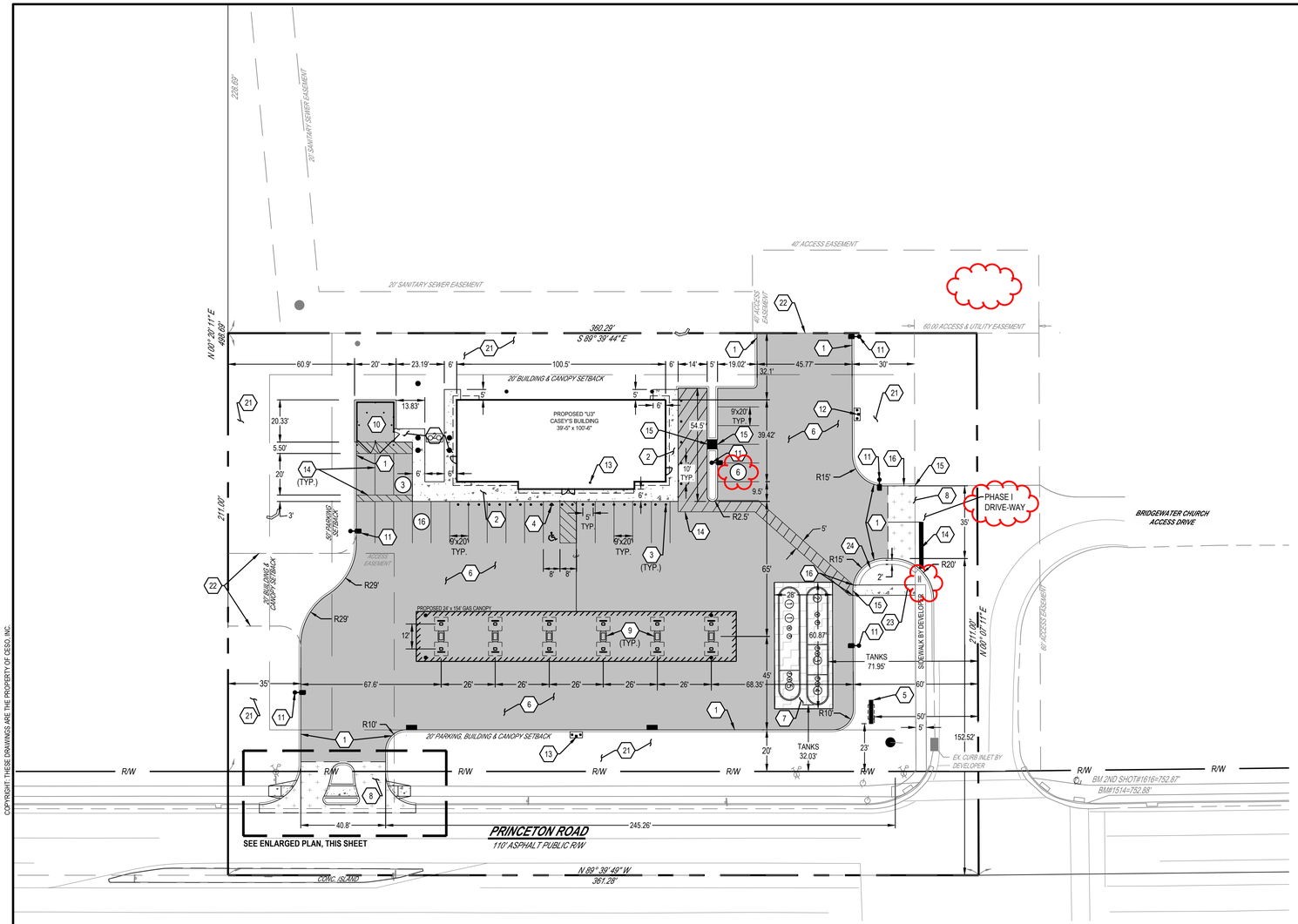
PRINCETON RD
HAMILTON, OH 45011

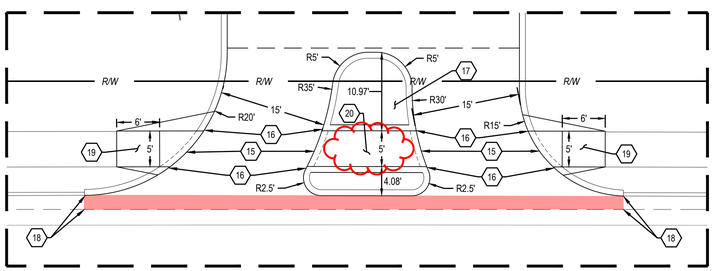
DEMOLITION PLAN

ISSUE: PERMIT SET	
DATE: 01.21.2021	
JOB NO.:	756995
DESIGN:	MST
DRAWN:	MST
CHECKED:	JJL

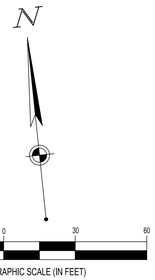
SHEET NO.
C-100

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ENLARGED PLAN: RIGHT-IN RIGHT-OUT ACCESS
SCALE: 1" = 10'



GRAPHIC SCALE (IN FEET)

LEGEND

EXISTING

REFER TO SHEET C-001 FOR EXISTING FEATURES LEGEND

PROPOSED

- BUILDING
- CANOPY
- CONCRETE CURB
- PAVEMENT/WALK
- PAVEMENT DELINEATION
- EASEMENT LINE
- STANDARD CONCRETE PAVEMENT (SIDEWALK)
- STANDARD CONCRETE PAVEMENT (PARKING)
- APPROACH CONCRETE PAVEMENT
- UGST AREA HEAVY-DUTY CONCRETE PAVEMENT
- SIGN
- LIGHT POLE
- CONCRETE BOLLARD
- STORM STRUCTURE
- CLEANOUT

CODED NOTES:

1. PROPOSED 6" INTEGRAL CURB. SEE DETAIL 2 ON SHEET C-601.
2. PROPOSED SIDEWALK. SEE DETAIL 1 ON SHEET C-601.
3. CASEY'S TYPICAL BOLLARD. SEE DETAIL 1 ON SHEET C-601.
4. CONTRACTOR TO INSTALL HANDICAPPED SIGN PER DETAIL 12 ON SHEET C-601 AND ACCORDING TO ALL LOCAL, STATE AND FEDERAL REGULATIONS.
5. CASEY'S MONUMENT SIGN, PER SIGNAGE PLAN.
6. PROPOSED STANDARD CONCRETE PARKING PAVEMENT. SEE DETAIL 2 ON SHEET C-601.
7. PROPOSED UGST AREA HEAVY DUTY CONCRETE PAVEMENT. SEE DETAIL 2 ON SHEET C-601.
8. PROPOSED APPROACH CONCRETE PAVEMENT. SEE DETAIL 2 ON SHEET C-601.
9. PROPOSED GAS TAPERED FUEL ISLAND. SEE DETAIL 1 ON SHEET C-602.
10. PROPOSED 20' X 20' DUMPSTER AND PAD. SEE ARCHITECTURAL PLANS FOR DETAILS.
11. PROPOSED SITE LIGHT POLE. SEE PHOTOMETRIC PLAN FOR DETAILS AND DETAIL ON SHEET C-603.
12. AIR COMPRESSOR BOX, MOUNTED TO STEEL POLE, INSTALLED ON CONCRETE PAD 16" FROM BACK OF CURB. 110 VOLT-60HZ-5.5 AMP. 8 GAUGE MIN. RECOMMENDED.
13. EMERGENCY SHUTOFF FOR GASOLINE DISPENSERS. ALL DISPENSERS FALL WITHIN A 100 FOOT RADIUS OF SHUTOFF.
14. PROPOSED PAVEMENT MARKINGS.
15. FLUSH CURB.
16. TRANSITION CURB FROM FLUSH TO FULL HEIGHT IN 12".
17. PROPOSED DRIVEWAY CURB ISLAND. SEE DETAIL 5 ON SHEET C-601.
18. PROPOSED CURB AND GUTTER PER BUTLER COUNTY STANDARDS.
19. PROPOSED CURB RAMP WITHIN RIGHT-OF-WAY PER BUTLER COUNTY STANDARDS.
20. PROPOSED 5' SIDEWALK WITHIN RIGHT-OF-WAY PER BUTLER COUNTY STANDARDS.
21. PROPOSED GREENSPACE FOR B-PUD OPEN SPACE REQUIREMENT.
22. PROPOSED CROSS-ACCESS EASEMENT FOR FUTURE DEVELOPMENT.
23. PROPOSED CONCRETE SIDEWALK PER BUTLER COUNTY STANDARDS.
24. PROPOSED LANDSCAPE PROTECTOR. SEE DETAIL 4 ON SHEET C-601.

SITE DATA	
TOTAL SITE AREA	1.747 AC (76,099 SF)
PROPOSED IMPERVIOUS AREA	1.018 AC (44,364 SF, 58%)
PROPOSED OPEN SPACE AREA	0.729 AC (31,735 SF, 42%)

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E-85208
REGISTERED PROFESSIONAL ENGINEER
Jeffrey Lonchor
1/21/2021

Casey's

CASEY'S GENERAL STORES

HAMILTON, OH

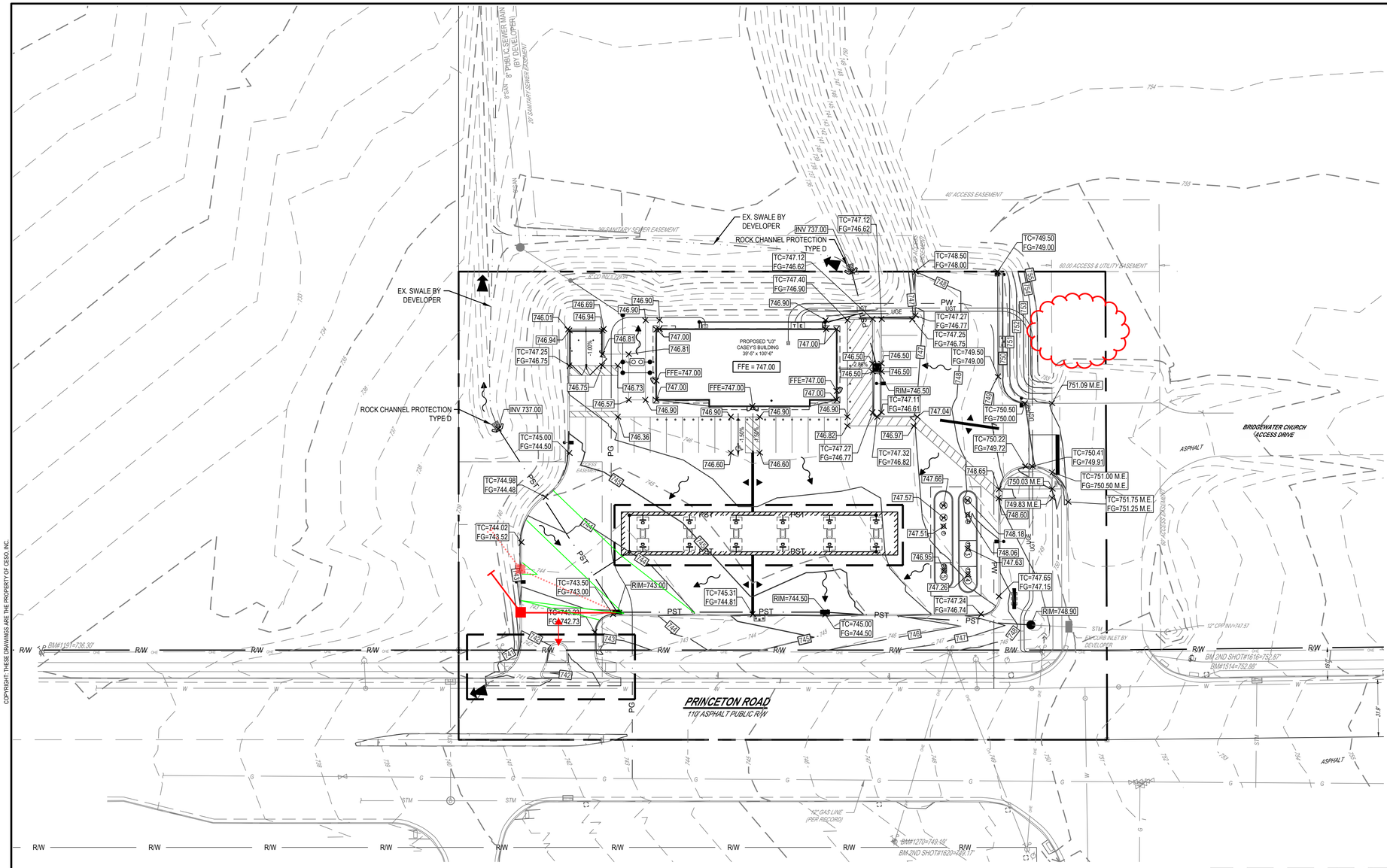
PRINCETON RD
HAMILTON, OH 45011

SITE PLAN

ISSUE: PERMIT SET
DATE: 01.21.2021
JOB NO.: 756995
DESIGN: MST
DRAWN: MST
CHECKED: JJL
SHEET NO. C-101

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LEGEND

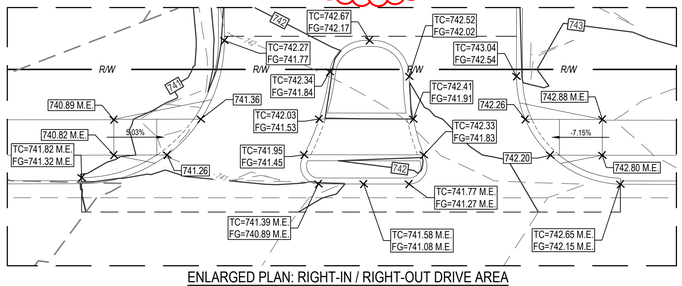
EXISTING

REFER TO SHEET C-001 FOR EXISTING FEATURES LEGEND

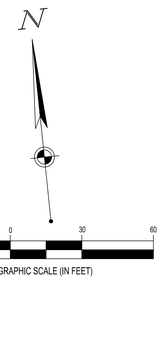
PROPOSED

- BUILDING
- CANOPY
- EASEMENT LINE
- 320 — MAJOR CONTOUR
- 322 — MINOR CONTOUR
- PST — STORM SEWER
- SWALE
- REFER TO ENLARGED PLAN, SHEET C-202
- CLEAN OUT
- MANHOLE
- CATCH BASIN
- CURB INLET
- HEADWALL
- XXX.XX — FINISHED GRADE SPOT ELEVATION
- TC=XXX.XX / FG=XXX.XX — TOP OF CURB ELEV. / FINISHED GRADE ELEV.
- FG=XXX.XX / TF=XXX.XX — FINISHED GRADE ELEV. / TOP OF FOOTING ELEV.
- RIM=XXX.XX — RIM ELEVATION
- INV=XXX.XX — INVERT ELEVATION
- GRADE BREAK
- M.E. — MATCH EXISTING ELEVATION
- FFE — FINISHED FLOOR ELEVATION
- X.XX% — SLOPE ARROW
- FLOW ARROW
- FLOOD ROUTE
- SCOUR MAT

ENLARGED PLAN: CANOPY AREA
1" = 10'



ENLARGED PLAN: RIGHT-IN / RIGHT-OUT DRIVE AREA
1" = 10'



BENCHMARK

	ELEVATION*	DESCRIPTION
BM #1191	736.30	BENCH NAIL SET SOUTH SIDE OF POWER POLE #JH-0009. NORTH SIDE OF PRINCETON ROAD, SOUTH OF WALDEN PONDS COMMUNITY CHURCH BUILDING.
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* VERTICAL DATUM: NAVD88

NOTE: REFER TO ALTA SURVEY, SHEET C-003, FOR BENCHMARK LOCATIONS.

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1/21/2021

Casey's

CASEY'S GENERAL STORES

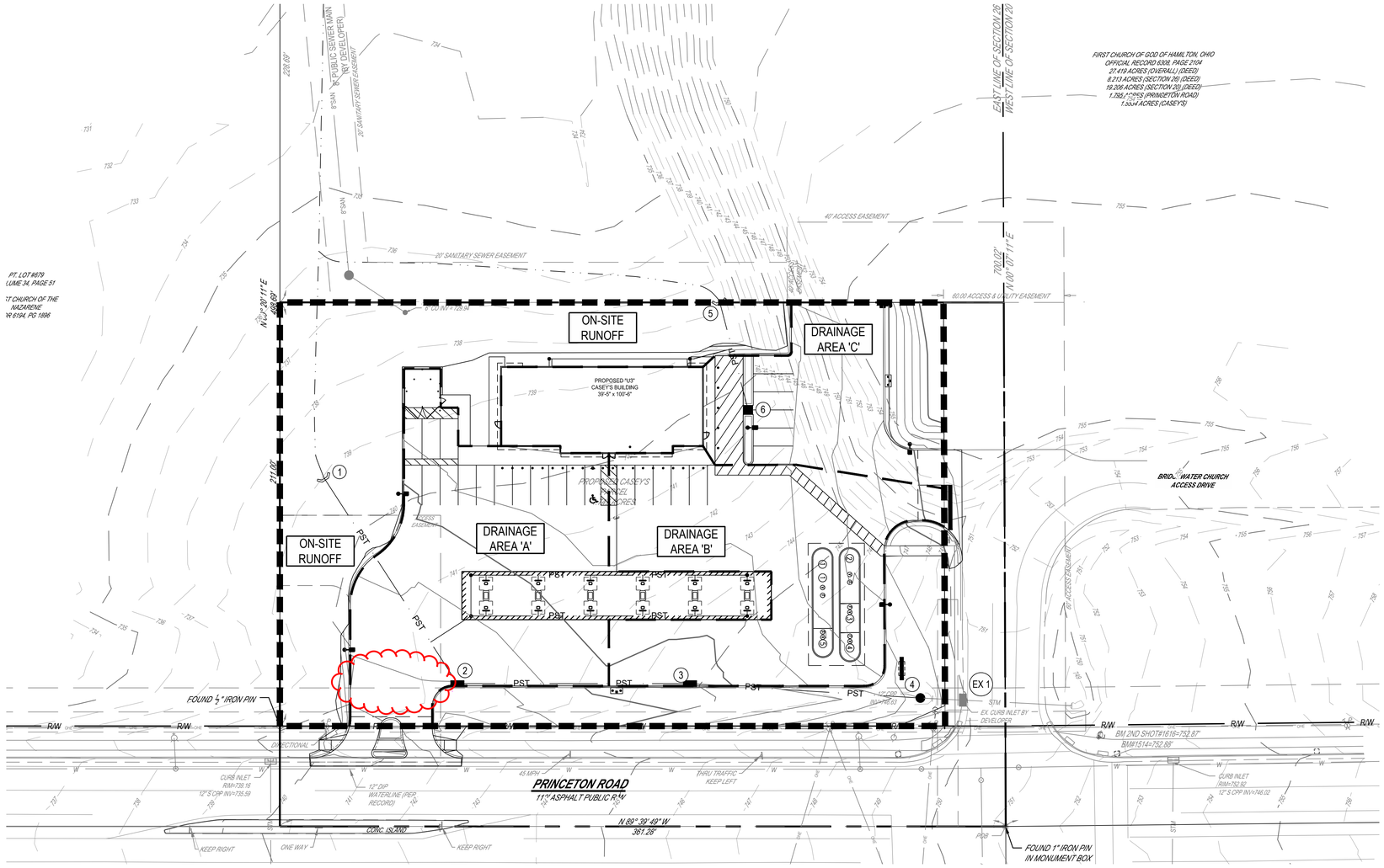
HAMILTON, OH

PRINCETON RD
HAMILTON, OH 45011

GRADING PLAN

ISSUE:	PERMIT SET
DATE:	01.21.2021
JOB NO.:	756995
DESIGN:	MST
DRAWN:	MST
CHECKED:	JJL

SHEET NO.
C-201



LEGEND

PROPOSED

- BUILDING
- CANOPY
- 320 — MAJOR CONTOUR
- 322 — MINOR CONTOUR
- STM — STORM SEWER
- DRAINAGE AREA BOUNDARY

N

30 0 30 60

GRAPHIC SCALE (IN FEET)

Discharge											Storm Sewer Size								Hydraulic Gradient					
Inlet Location	Runoff Coefficient "C"	Drainage Area "A"	C*A	Σ(C*A)	Inlet or Conduit Travel Time	Time of Concentration	**Rainfall Intensity 10 year Storm**	Runoff Q=Σ(C*A)	Other Controlled Runoff	Total Runoff "Q"	Pipe Diameter	Length "L"	% Slope	Inv. of Inlet	Inv. of Outlet	Full Capacity	Velocity	Cover	**Rainfall Intensity 10 year Storm**	Total Runoff "Q"	% Slope	Head Loss	Elevation of Hydraulic Gradient	Top of Casting
		Acres			Min.	Min.	in./hr.	cfs.	cfs.	cfs.	in.	ft.				cfs.	fps.	ft.	in./hr.	cfs		ft.		
Storm Profile 1 - EX 1																								
EX 1	0.53	0.84	0.45	0.45	0.1	10.0	5.36	2.41		**2.41**					746.78				5.36	2.4				750.35
											12	21.2	1.23			**3.96**	5.0	2.57			0.45%	0.10		
4				0.45	0.6	10.0	5.36	2.41		**2.41**				739.13	739.13				5.36	2.4			740.06	747.59
											12	114.9	0.50			**2.53**	3.2	7.46			0.45%	0.52		
3	0.95	0.32	0.30	0.75	0.6	10.0	5.36	4.02		**4.02**				738.56	738.56				5.36	4.0			739.54	744.50
											15	115.8	0.40			**4.10**	3.3	4.69			0.38%	0.44		
2	0.95	0.40	0.38	1.13	0.4	10.0	5.36	6.06		**6.06**				738.10	738.10				5.36	6.1			739.10	743.00
											15	121.8	0.90			**6.15**	5.0	3.65			0.89%	1.08		
1				1.13		10.0	5.36	6.06		**6.06**				737.00	737.00				5.36	6.1			738.00	
SWALE																								
Storm Profile 5-6																								
6	0.86	0.30	0.26	0.26	0.3	10.0	5.36	1.39		**1.39**					737.28				5.36	1.4			737.88	746.50
											12	55.5	0.50			**2.53**	3.2	8.22			0.15%	0.08		
5				0.26	0.2	10.0	5.36	1.39		**1.39**				737.00	737.00				5.36	1.4			737.80	
SWALE											12	30.5	0.50			**2.53**	3.2				0.15%	0.05		

POST-DEVELOPED DRAINAGE CALCULATIONS

HYDROGRAPH NAME	PERVIOUS AREA; LAWN (SOIL GROUP - C; C=0.40) [ACRES]	IMPERVIOUS AREA; PAVEMENT (ALL SOIL GROUPS; C = 0.95) [ACRES]	TOTAL AREA [ACRES]	WEIGHTED RUNOFF COEFFICIENT, Cw
DRAINAGE AREA TO EX. 1 STRC	0.64	0.20	0.84	0.53
DRAINAGE AREA 'A' TO STRC 2	0.00	0.40	0.40	0.95
DRAINAGE AREA 'B' TO STRC 3	0.00	0.32	0.32	0.95
DRAINAGE AREA 'C' TO STRC 6	0.05	0.25	0.30	0.86

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1/21/2021

Casey's

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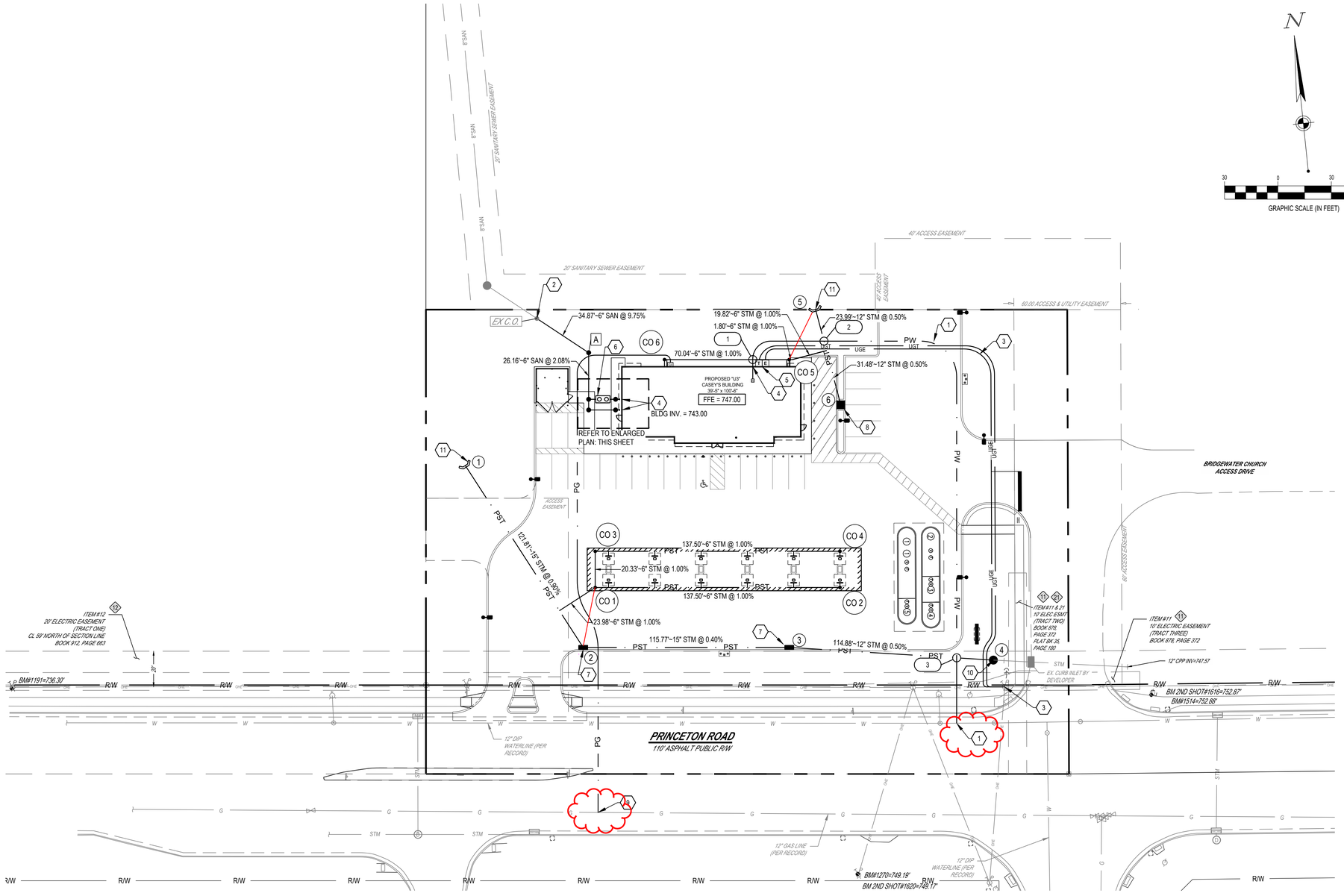
HAMILTON, OH

PRINGETON RD
HAMILTON, OH 45011

TRIBUTARY AREA MAP

ISSUE: PERMIT SET
DATE: 01.21.2021
JOB NO.: 756995
DESIGN: MST
DRAWN: MST
CHECKED: JJL
SHEET NO. C-202

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LEGEND

EXISTING

REFER TO SHEET C-001 FOR EXISTING FEATURES LEGEND

PROPOSED

- BUILDING
- CANOPY
- PST — STORM SEWER
- PSS — SANITARY SEWER
- PW — DOMESTIC WATER SERVICE
- PG — GAS SERVICE
- UGE — UNDERGROUND ELEC. LINE
- UGT — UNDERGROUND TEL. LINE
- CLEAN OUT
- GAS METER
- WATER METER
- ELECTRICAL SERVICE ENTRANCE
- GREASE INTERCEPTOR
- MANHOLE
- CURB INLET
- CATCH BASIN
- HEADWALL

SANITARY SEWER STRUCTURE SCHEDULE

NO.	STRUCTURE	RIM	INVERT
EX C.O.	6" CO	741.15	738.58 (6") SE 729.94 (6") NW
A	6" CO	746.34	741.98 (6") S 741.98 (6") NW
B	6" CO	746.76	742.53 (6") E 742.53 (6") S 742.53 (6") N
C	GREASE INTERCEPTOR	746.86	742.86 (6") E 742.61 (6") W
D	6" CO	746.94	742.93 (6") E 742.93 (6") W
E	6" CO	746.70	742.64 (6") E 742.64 (6") N
F	6" CO	746.94	742.93 (6") E 742.93 (6") W

STORM SEWER STRUCTURE SCHEDULE

NO.	STRUCTURE	GRATE	INVERT
CO 1	6" CLEAN OUT	738.68	738.12 (6") E 738.12 (6") N 738.12 (6") SW
CO 2	6" CLEAN OUT	740.06	739.49 (6") W
CO 3	6" CLEAN OUT	738.89	738.32 (6") E 738.32 (6") S
CO 4	6" CLEAN OUT	740.26	739.70 (6") W
CO 5	6" CLEAN OUT	737.91	737.34 (6") W 737.34 (6") E
CO 6	6" CLEAN OUT	738.61	738.04 (6") E
1	HEADWALL	738.86	737.00 (15") SE
2	CURB INLET	743.00	738.10 (15") E 738.10 (15") NW
3	CURB INLET	744.50	738.81 (12") E 738.56 (15") W
4	MANHOLE	748.90	746.63 (12") E 739.38 (12") W
5	HEADWALL	738.55	737.00 (12") S
6	CATCH BASIN	746.50	737.28 (12") N

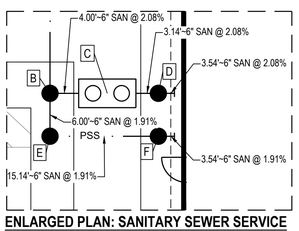
CODED NOTES:

1. CONTRACTOR SHALL FURNISH AND INSTALL 2" COPPER TUBE SIZE POLYETHYLENE PIPING FROM METER TO NEW 2" TAP. CONTRACTOR IS RESPONSIBLE FOR ALL WORK PERMITS WITHIN THE PUBLIC RIGHT-OF-WAY. NEW WATER TAPS WILL NEED TO BE INSTALLED AT WATER MAIN.
2. CONNECT 6" SDR-35 PVC SANITARY SERVICE TO EXISTING SANITARY SEWER CLEANOUT PER BUTLER COUNTY STANDARDS. CONTRACTOR TO FIELD LOCATE AND VERIFY EXISTING SANITARY SEWER LINE. CONTRACTOR TO PROVIDE ALL NECESSARY FITTINGS FOR FINAL CONNECTION. CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF EXISTING UTILITIES.
3. CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR AND THE LOCAL UTILITY COMPANY TO INSTALL PRIMARY RISER AS REQUIRED TO PROVIDE ELECTRICAL SERVICE TO THE PROPOSED BUILDING. CONTRACTOR TO COORDINATE WITH ELECTRICAL CONTRACTOR AND THE LOCAL UTILITY COMPANY TO INSTALL NEW POLE MOUNTED TRANSFORMER.
4. COORDINATE UTILITIES WITH PLUMBING CONTRACTOR, CAP AND MARK FOR FUTURE CONNECTION. FINAL CONNECTION BY PLUMBING CONTRACTOR.
5. ELECTRICAL SERVICE ENTRANCE. ELECTRIC 3-PHASE 800 AMP, 120/208 VOLTS, 4-WIRE. 20 PAIR, 8 LINES. COORDINATE WITH ELECTRICAL CONTRACTOR FOR CONNECTION LOCATION OF ELECTRICAL SERVICE.
6. SUPPLY AND INSTALL (1) 1000 GAL. BELOW GRADE GREASE INTERCEPTOR. SEE DETAILS ON SHEET C-604.
7. SUPPLY AND INSTALL (2) 24" STANDARD CURB INLET(S). PER BUTLER COUNTY STANDARDS. SEE CONSTRUCTION DETAIL 6 ON SHEET C-601.
8. SUPPLY AND INSTALL (1) 24" STANDARD CATCH BASIN. PER BUTLER COUNTY STANDARDS.
9. CONNECTION TO GAS MAIN. DUKE ENERGY SHALL FURNISH AND INSTALL GAS LINE FROM METER TO NEW TAP. THE CONTRACTOR SHALL INSTALL THE GAS LINE FROM THE METER TO THE BUILDING SERVICE PER THE BUILDING DRAWINGS.
10. SUPPLY AND INSTALL (1) 48" STANDARD MANHOLE. CONTRACTOR TO CONNECT EXISTING CULVERT EXTENSION PIPE TO PROPOSED MANHOLE FOR TIE-IN. PER BUTLER COUNTY STANDARDS.
11. SUPPLY AND INSTALL (2) CONCRETE ENDWALLS. PER BUTLER COUNTY STANDARDS.

UTILITY CROSSING SCHEDULE

(X)

NO.	UTILITY	ELEVATIONS	DIFF.
1	6" STM	T/PIPE = 738.04	2.0'
	2" WTR	B/PIPE = 740.04	
2	12" STM	T/PIPE = 738.07	1.5'
	2" WTR	B/PIPE = 739.57	
3	12" STM	T/PIPE = 740.68	2.0'
	2" WTR	B/PIPE = 742.68	



ENLARGED PLAN: SANITARY SEWER SERVICE
SCALE: 1" = 10'

BENCHMARK

	ELEVATION*	DESCRIPTION
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* VERTICAL DATUM: NAVD88
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REVISION DESCRIPTION | DATE | NO.

STATE OF OHIO
JEFFREY LONCHOR
E-85208
REGISTERED PROFESSIONAL ENGINEER
1/21/2021

Casey's

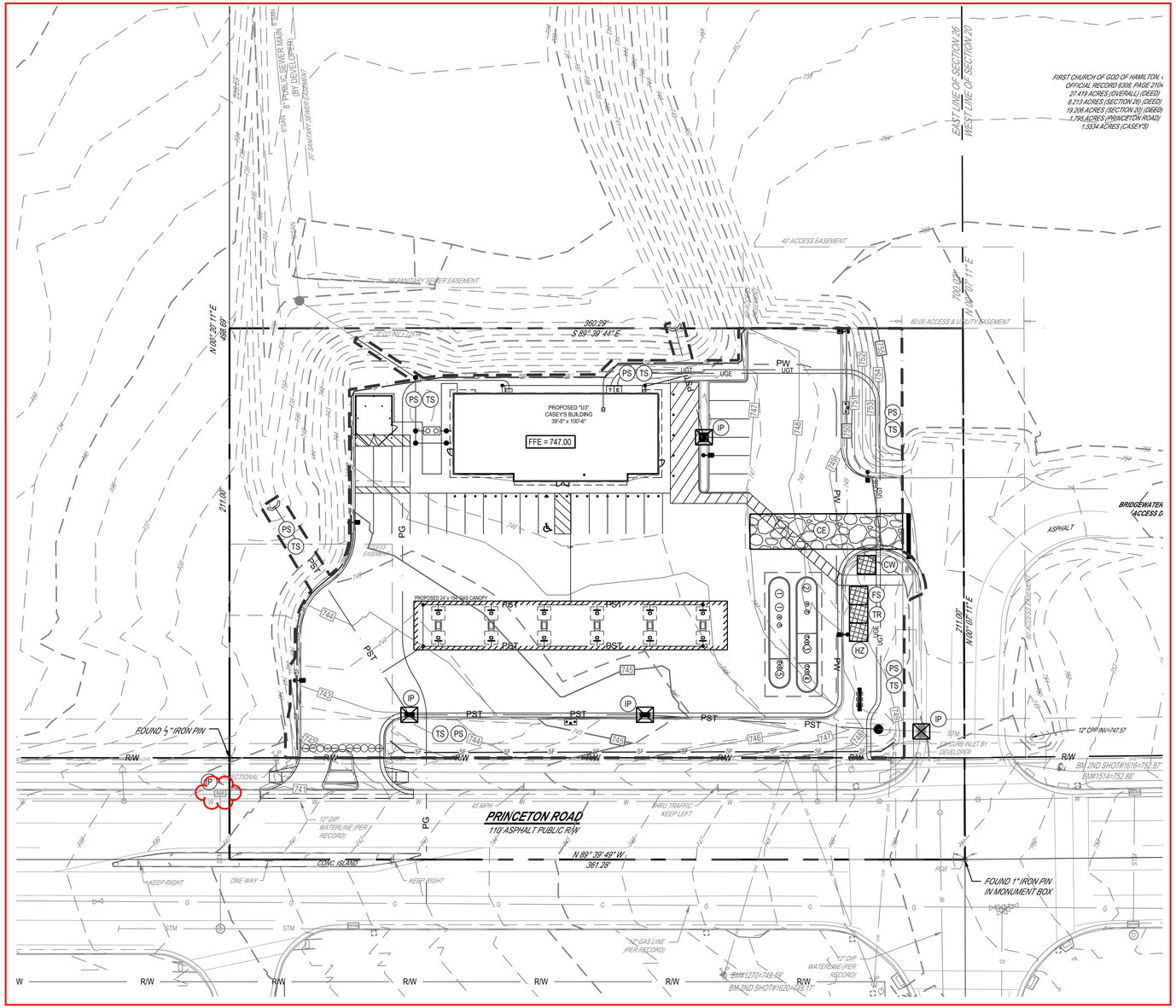
CASEY'S GENERAL STORES

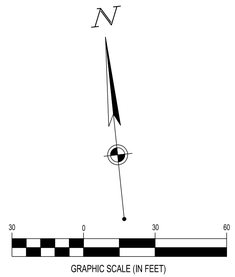
HAMILTON, OH

PRINCETON RD
HAMILTON, OH 45011

UTILITY PLAN

ISSUE: PERMIT SET
DATE: 01.21.2021
JOB NO.: 756995
DESIGN: MST
DRAWN: MST
CHECKED: JJL
SHEET NO. C-301





LEGEND

EXISTING

REFER TO SHEET C-001 FOR EXISTING FEATURES LEGEND

PROPOSED

- 960 — MAJOR CONTOUR
- 962 — MINOR CONTOUR
- STM — STORM SEWER
- SF — SILT FENCE
- STRAW WATTLE
- GRADING/SEEDING LIMITS (LIMITS OF DISTURBANCE)
- STABILIZED CONSTRUCTION ENTRANCE (SEE SHEET C-402)
- WASHOUT/STORAGE AREA
- STORM MANHOLE
- CURB INLET
- CATCH BASIN
- HEADWALL
- BASIN SEDIMENT FILTER
- CE — STABILIZED CONSTRUCTION ENTRANCE
- CW — CONCRETE WASHOUT
- TS — TEMPORARY SEEDING
- PS — PERMANENT SOD
- IP — INLET PROTECTION
- FS — FUEL STORAGE AREA
- TR — TRASH AREA
- HZ — HAZARDOUS MATERIAL STORAGE

STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PROJECT NARRATIVE:

PLAN ENGINEERS:
CESO, INC.
2800 CORPORATE EXCHANGE DR, SUITE 160
COLUMBUS, OH 43231
PHONE: (614) 942-3017
CONTACT: JEFF LONCHOR

DEVELOPER:
CASEY'S GENERAL STORES, INC.
ONE SE CONVENIENCE BLVD.
ANKENY, IA 50021
PHONE: (515) 446-6402

THE PROPOSED PROJECT IS THE CONSTRUCTION OF GAS STATION AND CONVENIENCE STORE. THE SUBJECT PARCEL IS 1.75 ACRES. THE TOTAL DISTURBED AREA IS 1.30 ACRES.

THE ENTIRE SITE DRAINS TO THE ON-SITE STORM SEWER SYSTEM WHICH THEN CONVEYS THE STORMWATER RUNOFF VIA SWALE TO THE OVERALL REGIONAL DETENTION POND FOR ULTIMATE DISCHARGE.

ON-SITE SOILS:

DaB - DANA SILT LOAM	94.6%
WyB2 - WYNN SILT LOAM	5.3%
XfB - XENIA SILT LOAM	0.1%

HYDROLOGIC SOIL GROUPS: C

EXISTING ON-SITE CONDITIONS: OPEN SPACE

SEQUENCE OF CONSTRUCTION

1. NOTIFY COUNTY ENGINEER BEFORE WORK IS TO BEGIN.
2. INSTALL ALL TEMPORARY EROSION CONTROL MEASURES INCLUDING SILT FENCE, CONSTRUCTION EXIT, FILTER SACKS, CONCRETE WASHOUT.
3. SITE DEMOLITION AND CLEARING.
4. ROUGH GRADING. PROVIDE TEMPORARY SEEDING OF DISTURBED AREAS WHICH ARE INACTIVE.
5. STORM SEWER AND UNDERGROUND UTILITY CONSTRUCTION.
6. BUILDING PAD.
7. CURB CONSTRUCTION.
8. FINE GRADING AND PAVEMENT SUBGRADE PREPARATION
9. ASPHALT PAVING AND REMAINING CONCRETE FLATWORK.
10. FINAL SEEDING.

* CONTRACTOR SHALL MODIFY THE SEQUENCE OF CONSTRUCTION BASED ON SITE CONDITIONS. CONTRACTOR TO NOTIFY PROJECT MANAGER PRIOR TO CHANGING SEQUENCE OF CONSTRUCTION.

BENCHMARK		
	ELEVATION*	DESCRIPTION
BM #1191	736.30	BENCH NAIL SET SOUTH SIDE OF POWER POLE #JH-0009. NORTH SIDE OF PRINCETON ROAD, SOUTH OF WALDEN PONDS COMMUNITY CHURCH BUILDING.
BM #1270	749.19	BENCHNAIL SET NORTH SIDE OF POWER POLE #J12-0013 SOUTHWEST OF GILMORE ROAD AND PRINCETON ROAD INTERSECTION, NORTH OF POPEYE'S CHICKEN.
BM #1514	752.88	CHISELED BOX SOUTHWEST CORNER OF TRAFFIC SIGNAL LIGHT POLE BASE. LOCATED ON NORTHEAST CORNER OF PRINCETON ROAD AND GILMORE ROAD INTERSECTION.

* VERTICAL DATUM: NAVD88
NOTE: REFER TO ALTA SURVEY, SHEET C-003, FOR BENCHMARK LOCATIONS.

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

CESO
WWW.CESOINC.COM

NO.	DATE	REVISION DESCRIPTION

STATE OF OHIO
JEFFREY LONCHOR
E-85208
REGISTERED PROFESSIONAL ENGINEER
1/21/2021

CASEY'S GENERAL STORES

HAMILTON, OH

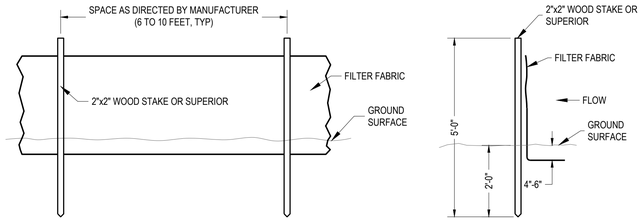
PRINCETON RD
HAMILTON, OH 45011

SWPPP

ISSUE: PERMIT SET	
DATE:	01.21.2021
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SHEET NO.
C-401

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TEMPORARY SILT FENCE DETAILS

NOT TO SCALE

SILT FENCE NOTES:

FILTER FABRIC SHALL BE A MINIMUM OF 32" IN WIDTH AND SHALL HAVE A MINIMUM OF 6 LINE WIRES WITH 12" STAY SPACING.

FILTER FABRIC SHALL BE MIRAFI 140 FABRIC OR EQUIVALENT. BURLAP CANNOT BE USED WHERE SILT FENCE IS TO REMAIN FOR A PERIOD OF MORE THAN 30 DAYS.

STEEL POST SHALL BE 5'-0" IN HEIGHT AND BE OF THE SELF-FASTENER ANGLE STEEL TYPE.

WOOD POSTS SHALL BE 6'-0" TO 7'-0" IN HEIGHT AND 2" IN DIAMETER. WIRE FABRIC SHALL BE FASTENED TO WOODEN POST WITH NOT LESS THAN #9 WIRE STAPLES 1-1/2" LONG.

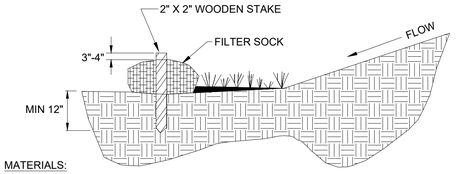
MAINTENANCE NOTES:

FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.

IF THE FABRIC DECOMPOSES OR BECOMES INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE, AND THE BARRIER IS STILL REQUIRED, THE FABRIC SHALL BE REPLACED PROMPTLY.

SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY HALF THE HEIGHT OF THE BARRIER.

ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE OR FILTER BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE EXISTING GRADE, PREPARED, AND SEEDED.



MATERIALS:

1. COMPOST USED FOR FILTER SOCKS SHALL BE WEED, PATHOGEN AND INSECT FREE AND FREE OF ANY REFUSE, CONTAMINANTS OR OTHER MATERIALS TOXIC TO PLANT GROWTH. THEY SHALL BE DERIVED FROM A WELL-DECOMPOSED SOURCE OF ORGANIC MATTER AND CONSIST OF A PARTICLES RANGING FROM 3/8" TO 2".
2. FILTER SOCKS SHALL BE 3 OR 5 MIL CONTINUOUS, TUBULAR, HDPE 3/8" KNITTED MESH NETTING MATERIAL, FILLED WITH COMPOST PASSING THE ABOVE SPECIFICATIONS FOR COMPOST PRODUCTS.

INSTALLATION:

1. FILTER SOCKS WILL BE PLACED ON A LEVEL LINE ACROSS SLOPES, GENERALLY PARALLEL TO THE BASE OF THE SLOPE OR OTHER AFFECTED AREA. ON SLOPES APPROACHING 2:1, ADDITIONAL SOCKS SHALL BE PROVIDED AT THE TOP AND AS NEEDED MIDSLOPE.
2. FILTER SOCKS INTENDED TO BE LEFT AS A PERMANENT FILTER OR PART OF THE NATURAL LANDSCAPE, SHALL BE SEEDED AT THE TIME OF INSTALLATION FOR ESTABLISHMENT OF PERMANENT VEGETATION.
3. FILTER SOCKS ARE NOT TO BE USED IN CONCENTRATED FLOW SITUATIONS OR IN RUNOFF CHANNELS.

MAINTENANCE:

1. ROUTINELY INSPECT FILTER SOCKS AFTER EACH SIGNIFICANT RAIN, MAINTAINING FILTER SOCKS IN A FUNCTIONAL CONDITION AT ALL TIMES.
2. REMOVE SEDIMENTS COLLECTED AT THE BASE OF THE FILTER SOCKS WHEN THEY REACH 1/3 OF THE EXPOSED HEIGHT OF THE PRACTICE.
3. WHERE THE FILTER SOCK DETERIORATES OR FAILS, IT WILL BE REPAIRED OR REPLACED WITH A MORE EFFECTIVE ALTERNATIVE.
4. REMOVAL - FILTER SOCKS WILL BE DISPERSED ON SITE WHEN NO LONGER REQUIRED IN SUCH AS WAY AS TO FACILITATE AND NOT OBSTRUCT SEEDINGS.

FILTER SOCK DETAIL

NTS

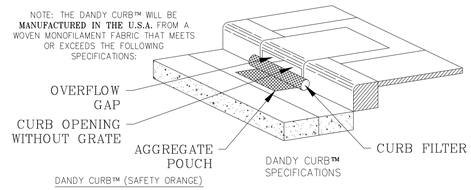
SECTION A-A

INSTALLATION: STAND GRATE ON END PLACE DANDY BAG OVER GRATE. ROLL GRATE OVER SO THAT OPEN END IS UP. PULL UP SLACK.
TUCK FLAP IN. PRESS VELCRO STRIPS TOGETHER. BE SURE END OF GRATE IS COMPLETELY COVERED BY FLAP OR DANDY BAG WILL NOT WORK PROPERLY.
HOLDING HANDLES, CAREFULLY PLACE DANDY BAG WITH GRATE INSERTED INTO CATCH BASIN FRAME.

MAINTENANCE: WITH A STIFF BRISTLE BROOM OR SQUARE POINT SHOVEL REMOVE SILT & OTHER DEBRIS OFF SURFACE AFTER EACH EVENT. REMOVE FINE MATERIAL FROM INSIDE ENVELOPE AS NEEDED.

DANDY BAG

NTS



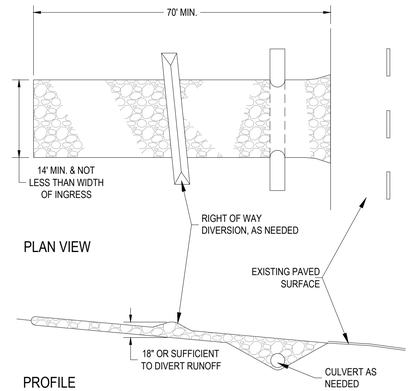
DANDY CURB™ (SAFETY ORANGE)

Mechanical Properties	Test Method	Units	MARV
Grab Tensile Strength	ASTM D 4632	kN (lbs)	1.62 (365) X 0.89 (200)
Grab Tensile Elongation	ASTM D 4632	%	24 X 10
Puncture Strength	ASTM D 4833	kN (lbs)	0.40 (90)
Mullen Burst Strength	ASTM D 3786	kPa (psi)	3097 (450)
Trapezoid Tear Strength	ASTM D 4533	kN (lbs)	0.51 (115) X 0.33 (75)
UV Resistence	ASTM D 4355	%	90
Apparent Opening Size	ASTM D 4751	Mm (US Std Sieve)	0.425 (40)
Flow Rate	ASTM D 4491	1/min/m² (gal/min/ft²)	5907 (145)
Permittivity	ASTM D 4491	Sec⁻¹	2.1

*Note: All Dandy Curbs™ can be ordered with our optional oil absorbents

DANDY CURB DETAIL

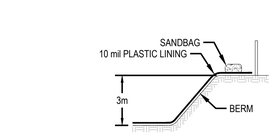
NOT TO SCALE



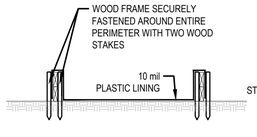
STABILIZED CONSTRUCTION ENTRANCE

NTS

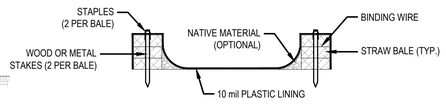
1. AGGREGATE SIZE - ODOT COARSE AGGREGATE GRADATIONS: CA-1, CA-2, CA-3, OR CA-4.
2. LENGTH - THE CONSTRUCTION ENTRANCE SHALL BE AS LONG AS REQUIRED TO STABILIZE HIGH TRAFFIC AREAS BUT NOT LESS THAN 70 FT. (EXCEPTION: APPLY 30 FT. MINIMUM TO SINGLE RESIDENCE LOTS.
3. THICKNESS - THE STONE LAYER SHALL BE AT LEAST 6 INCHES.
4. WIDTH - THE ENTRANCE SHALL BE AT LEAST 14 FEET WIDE, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
5. FILTER FABRIC - FILTER FABRIC SHALL BE USED UNDER THE AGGREGATE TO MINIMIZE THE MIGRATION OF STONE INTO THE UNDERLYING SOIL BY HEAVY VEHICLE LOADS. THE FILTER FABRIC SHALL MEET THE REQUIREMENTS OF MATERIALS SPECIFICATION 592 GEOTEXTILE TABLE 1 OR 2, CLASS I, II, OR IV.
6. TIMING - THE CONSTRUCTION ENTRANCE SHALL BE INSTALLED AS SOON AS IS PRACTICAL BEFORE MAJOR GRADING ACTIVITIES.
7. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
8. WASHING - IF CONDITIONS ON THE SITE ARE SUCH THAT THE VEHICLES TRAVELING OVER THE GRAVEL DO NOT REMOVE THE MAJORITY OF THE MUD, THEN THE TIRES OF THE VEHICLES MUST BE WASHED BEFORE ENTERING A PUBLIC ROAD. WASH WATER MUST BE CARRIED AWAY FROM THE ENTRANCE TO A SEDIMENT TRAPPING FACILITY SUCH AS PRACTICE STANDARDS "IMPOUNDMENT STRUCTURE-ROUTED 842 OR TEMPORARY SEDIMENT TRAP 960". ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING STORM DRAINS, DITCHES, WATERCOURSES, OR SURFACE WATERS INCLUDING WETLANDS. A WASH RACK MAY BE USED TO MAKE WASHING MORE CONVENIENT AND EFFECTIVE.
9. LOCATION - THE WASHING STATION SHOULD BE LOCATED TO PROVIDE FOR MAXIMUM UTILITY BY ALL CONSTRUCTION VEHICLES.
10. TIMING - THE GRAVELED ACCESS SHALL BE INSTALLED AS SOON AS PRACTICAL AFTER THE START OF SITE DISTURBANCE.
11. REMOVAL - THE ENTRANCE SHALL REMAIN IN PLACE AND BE MAINTAINED UNTIL THE DISTURBED AREA IS STABILIZED BY PERMANENT BEST MANAGEMENT PRACTICES.
12. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS OR STREETS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL AGGREGATE. ALL SEDIMENT SPILLED, DROPPED, OR WASHED ONTO PUBLIC RIGHT-OF-WAYS MUST BE REMOVED IMMEDIATELY. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.



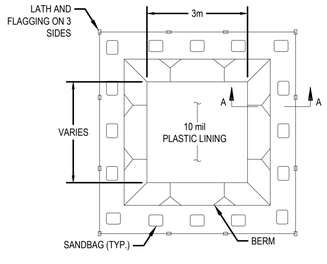
SECTION "A-A"



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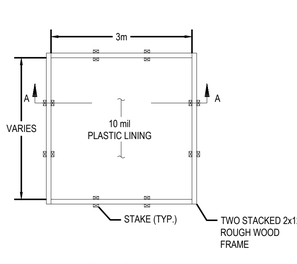
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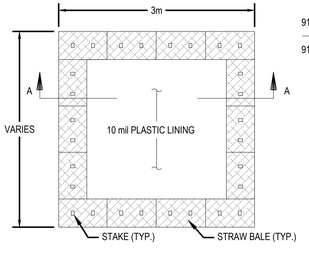
NOTE:

1. ACTUAL LAYOUT DETERMINED IN THE FIELD.
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 10m OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

"BELOW GRADE"



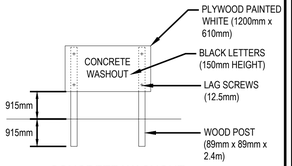
"ABOVE GRADE" w/ WOOD PLANKS



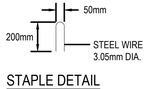
NOTES:

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PLAN VIEW



CONCRETE WASHOUT SIGN DETAIL



STAPLE DETAIL

CONCRETE WASHOUT DETAIL

NTS

CESO
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REVISION DESCRIPTION
DATE
NO.

STATE OF OHIO
JEFFREY
LONCHOR
E-85208
REGISTERED
PROFESSIONAL ENGINEER

1/21/2021

Casey's

CASEY'S GENERAL STORES

HAMILTON, OH

PRINCETON RD
HAMILTON, OH 45011

SWPPP DETAILS

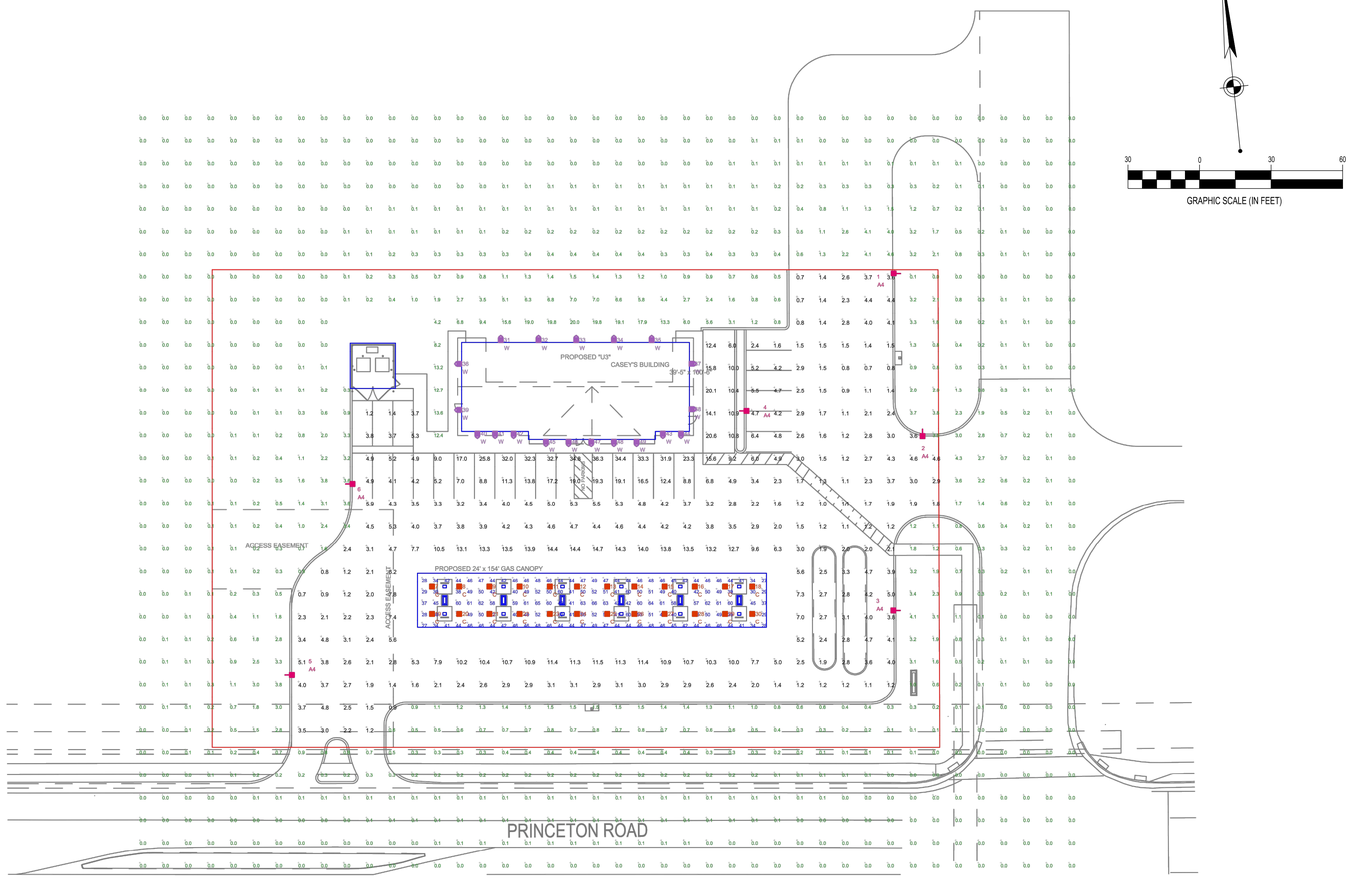
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SHEET NO.
C-402

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red leonard associates
1340 Kemper Meadow Dr. | Cincinnati, OH 45240 | 513-574-9500
www.redleonard.com



LUMINAIRE LOCATION SUMMARY		
LUM NO.	LABEL	MTG. HT.
1	A4	17
2	A4	17
3	A4	17
4	A4	17
5	A4	17
6	A4	17
7	C	16.5
8	C	16.5
9	C	16.5
10	C	16.5
11	C	16.5
12	C	16.5
13	C	16.5
14	C	16.5
15	C	16.5
16	C	16.5
17	C	16.5
18	C	16.5
19	C	16.5
20	C	16.5
21	C	16.5
22	C	16.5
23	C	16.5
24	C	16.5
25	C	16.5
26	C	16.5
27	C	16.5
28	C	16.5
29	C	16.5
30	C	16.5
31	W	10
32	W	10
33	W	10
34	W	10
35	W	10
36	W	10
37	W	10
38	W	10
39	W	10
40	W	10
41	W	10
42	W	10
43	W	10
44	W	10
45	W	10
46	W	10
47	W	10
48	W	10
49	W	10

FOOTCANDLE LEVELS CALCULATED AT GRADE USING INITIAL LUMEN VALUES					
LABEL	AVG	MAX	MIN	AVG/MIN	MAX/MIN
PAVED AREA	5.84	36.3	0.7	8.34	51.86
UNDEFINED AREA	0.65	20.0	0.0	N.A.	N.A.
UNDER CANOPY	46.13	66	27	1.71	2.44

NOTE: ALL AREA LIGHTS ON NEW 15 FT. POLES MOUNTED ON 2 FT. CONCRETE BASES

LUMINAIRE SCHEDULE										
SYMBOL	QTY	LABEL	ARRANGEMENT	LUMENS	LLF	BUG RATING	WATTS/LUMINAIRE	TOTAL WATTS	MANUFACTURER	DESCRIPTION
	6	A4	SINGLE	11259	1.040	B2-U0-G2	134	804	Cree Inc.	ARE-EDG-4M-DA-06-E-UL-BZ-700
	24	C	SINGLE	13251	1.040	B3-U0-G1	134	3216	CREE, INC.	CAN-304-SL-RS-06-E-UL-WH-700
	19	W	SINGLE	8739	1.040	B2-U0-G2	100	1900	CREE, INC.	SEC-EDG-3M-WM-06-E-UL-BZ-525

REV.	BY	DATE	DESCRIPTION
R1	BJM	2/21/20	REVISED LAYOUT PER NEW SITE PLAN
R2	LMP	01/14/21	REVISED PER UPDATED SITE PLAN
.	.	.	.
.	.	.	.

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ILLUMINATION RESULTS SHOWN ON THIS LIGHTING APPLICATION ARE BASED ON PROJECT PARAMETERS PROVIDED BY THE MANUFACTURER LISTED, USED IN CONJUNCTION WITH LUMINAIRE TEST PROCEDURES CONDUCTED UNDER LABORATORY CONDITIONS. ACTUAL PROJECT CONDITIONS DIFFERING FROM THESE PARAMETERS MAY AFFECT FIELD RESULTS. THE CUSTOMER IS RESPONSIBLE FOR VERIFYING COMPLIANCE WITH ANY APPLICABLE ELECTRICAL, LIGHTING, OR ENERGY CODE.

SCALE: 1" = 30'
LAYOUT BY: BJM
DWG SIZE: D
DATE: 12/19/19

PROJECT NAME:
CASEY'S
HAMILTON, OH
DRAWING NUMBER:
RL-6515-S1-R2

rla

CESO
WWW.CESOINC.COM

REVISION DESCRIPTION
NO. DATE

STATE OF OHIO
JEFFREY LONCHOR
E-85208
REGISTERED PROFESSIONAL ENGINEER
1/21/2021

Casey's

CASEY'S GENERAL STORES

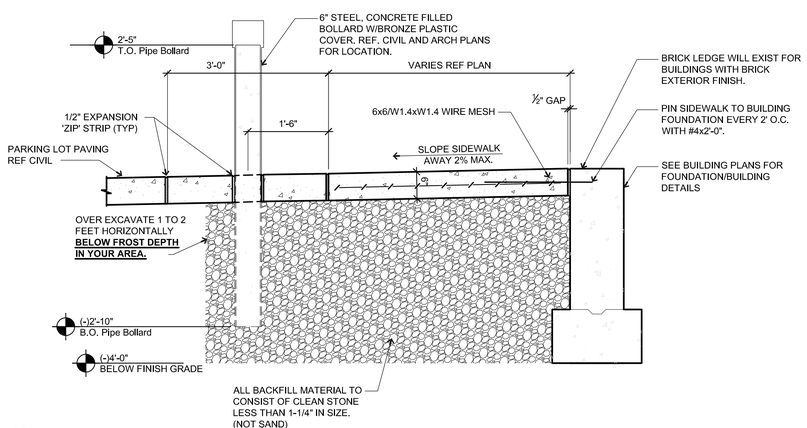
HAMILTON, OH

PRINCETON RD
HAMILTON, OH 45011

PHOTOMETRIC PLAN

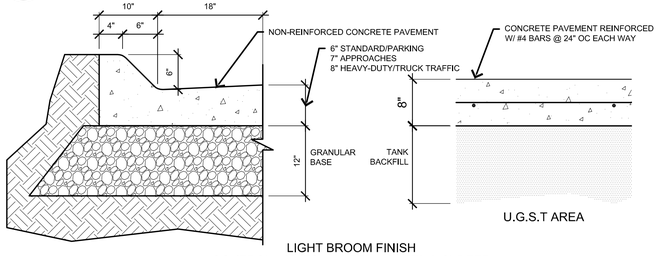
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C-501

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



1 TYPICAL BUILDING SIDEWALK AND BOLLARD

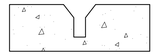
3/4" = 1'-0"



LIGHT BROOM FINISH
CONTROL JOINTS: 100 FT² - 125 FT², 25% DEEP
CONSTRUCTION JOINTS: PINNED 4' O.C. 12" EACH WAY W/ #4 REBAR

2 CONCRETE PAVING AND CURB

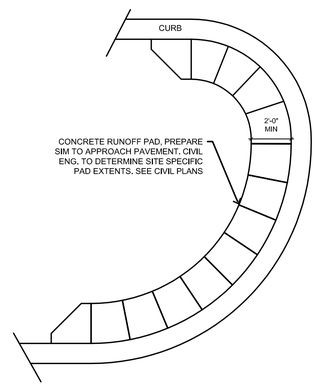
Not to Scale



ENLARGED FOR CLARITY

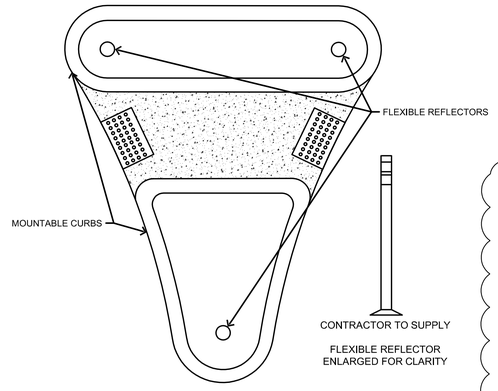
3 PAVING SAW-CUT

Not to Scale



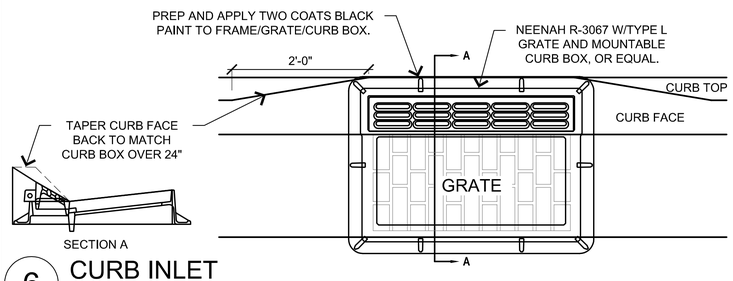
4 LANDSCAPE PROTECTOR

Not to Scale



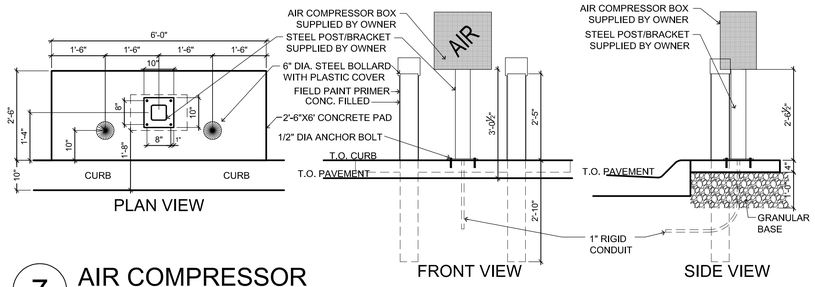
5 PORK CHOP WITH REFLECTORS

Not to Scale



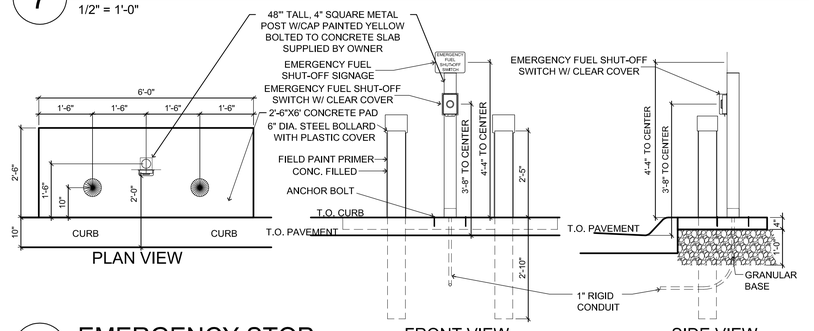
6 CURB INLET

Not to Scale



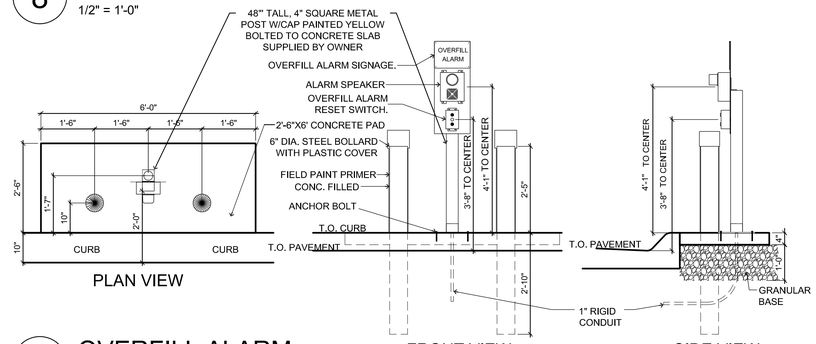
7 AIR COMPRESSOR

1/2" = 1'-0"



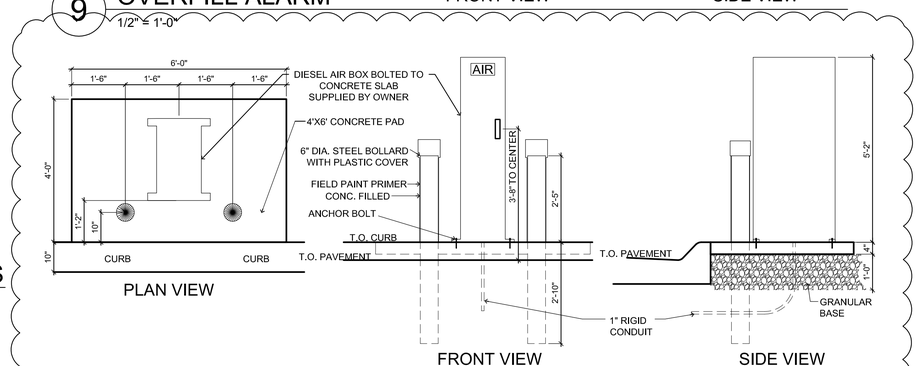
8 EMERGENCY STOP

1/2" = 1'-0"



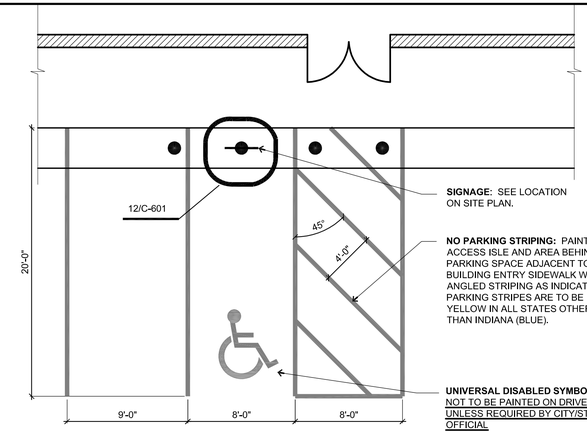
9 OVERFILL ALARM

1/2" = 1'-0"



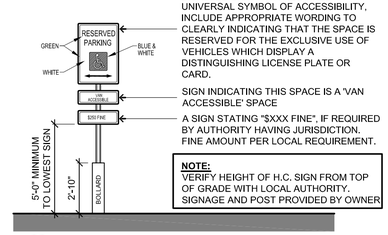
10 DIESEL AIR COMPRESSOR (ONLY FOR < 3 DIESEL LANES)

1/2" = 1'-0"



11 ADA PARKING SPACES

3/16" = 1'-0"



12 ADA PARKING SIGN

1/4" = 1'-0"

GENERAL NOTES

Concrete:

1. All concrete and reinforcing work shall conform to the latest edition of the American Concrete Institute's "Standard Building Code Requirements for Reinforced Concrete," (ACI 318) and "Specifications for Structural Concrete for Buildings," (ACI 301).
2. Concrete shall use type II cement. Concrete mix designs shall meet the following requirements:

	MINIMUM 28-DAY f'c	MAXIMUM W/C RATIO	SLUMP	AIR ENTRAIN.
Exterior exposed concrete	4,000 psi	0.42	4" ± 1"	6% ± 1%

   If Contractor desires to increase slump above allowable limits to facilitate placement or pumping, this shall be done utilizing a superplasticizer approved by the Ready Mix Designer at a dosage rate provided by Ready Mix Designer.
3. The Contractor shall reject any concrete that exceeds the slump limits noted above (prior to adding superplasticizer) or concrete that can not be placed within ninety (90) minutes of batch time.
4. No aluminum shall be placed in concrete.
5. All concrete is reinforced unless specifically noted as Unreinforced. Reinforce all concrete not otherwise shown with the same reinforcing as in similar sections or areas.
6. During hot weather (80 degrees F and above), the Contractor shall comply with the recommendations ACI-305 "Hot Weather Concrete". During cold weather (40 degrees and below), the Contractor shall comply with the recommendations of ACI-306 "Cold Weather Concreting".
7. The concrete mix designs are to be submitted as a formal submittal to the Owner for acceptance PRIOR to concrete being delivered to the site.
8. Verify with local authorities the required thickness of poured concrete for approaches and parking lot.

Sub-Base:

1. Sub-base Course Under Exterior Concrete Paved Surfaces: Spread and compact sub-base in 6"-9" lifts compacted to 98% Standard Proctor.

2

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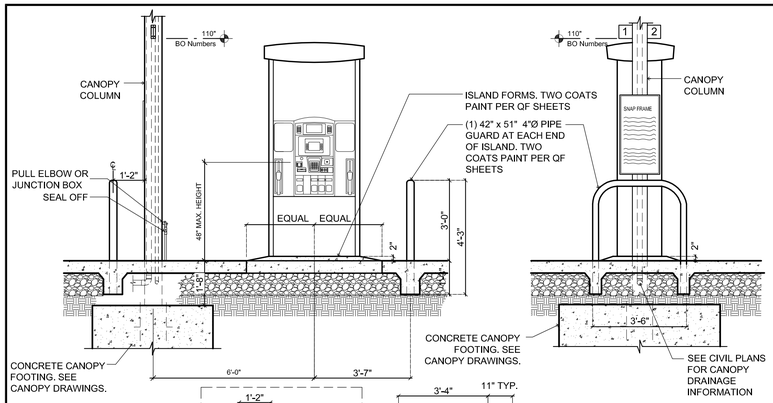
PROJECT: 2020 Civil Details

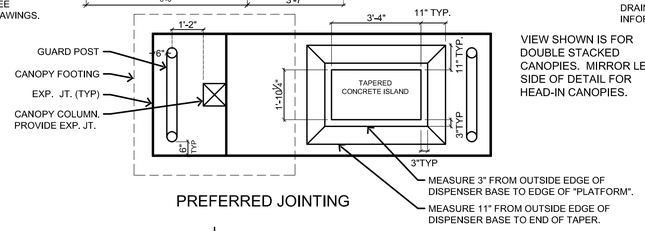
PLAN ISSUED: 01/14/20
REVISIONS: 1 03/20/20; 2 10/26/20

DRAWING INFORMATION: CIVIL DETAILS

DRAWING INFORMATION: CONSTRUCTION DIVISION
DRAWN BY: ARLON GOFORTH III
CHECKED BY:

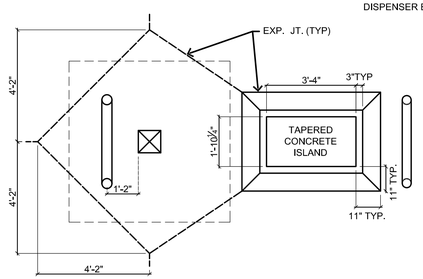
C-601





PREFERRED JOINTING

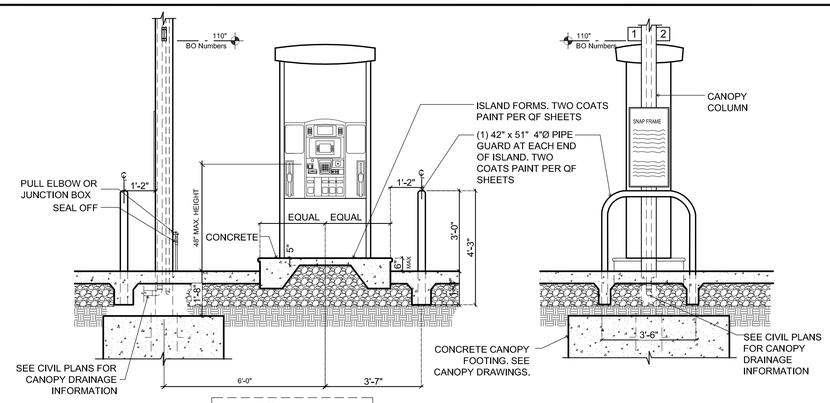
VIEW SHOWN IS FOR DOUBLE STACKED CANOPIES. MIRROR LEFT SIDE OF DETAIL FOR HEAD-IN CANOPIES.

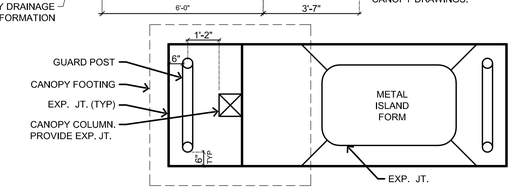


DIAMOND BOX OUT OPTION

1 GAS TAPERED FUEL ISLAND (PREFERRED OPTION)

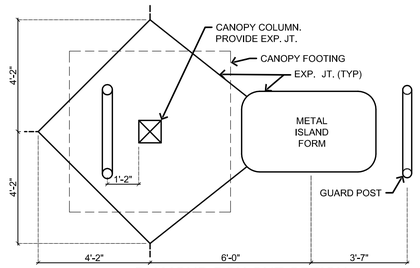
Not to Scale





VIEW SHOWN IS FOR DOUBLE STACKED CANOPIES. MIRROR LEFT SIDE OF DETAIL FOR HEAD-IN CANOPIES.

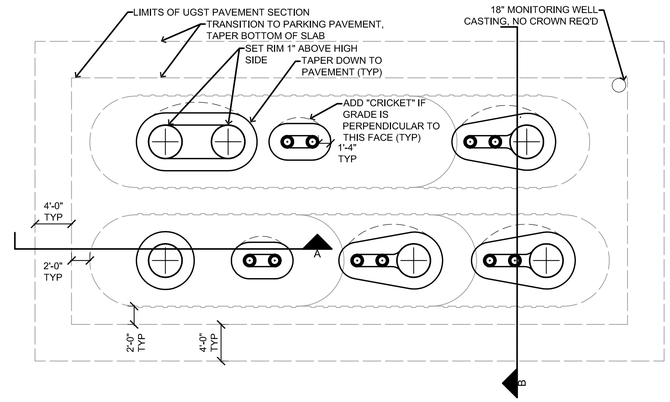
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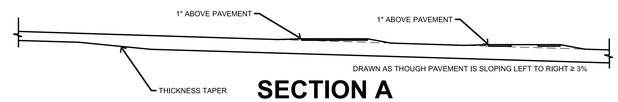


DIAMOND BOX OUT OPTION

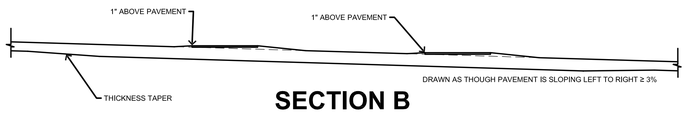
2 GAS METAL FORM ISLAND

Not to Scale





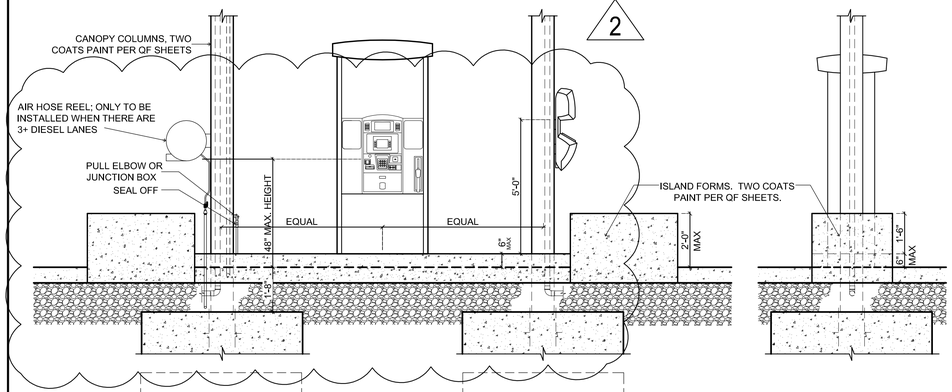
SECTION A



SECTION B

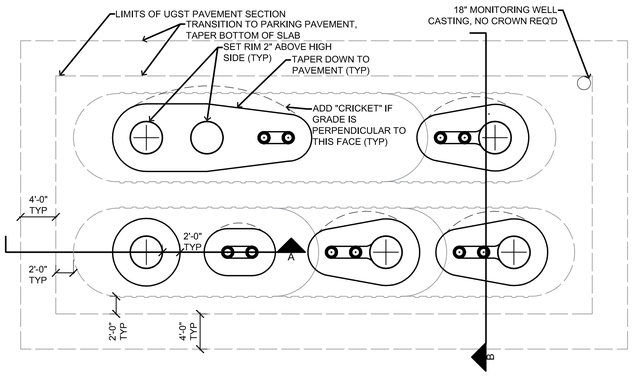
5 UGST PAVING FOR PAVEMENT SLOPE >3%

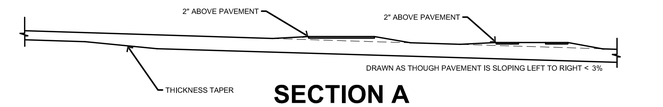
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3 DIESEL BULLET ISLAND

3/8" = 1'-0"





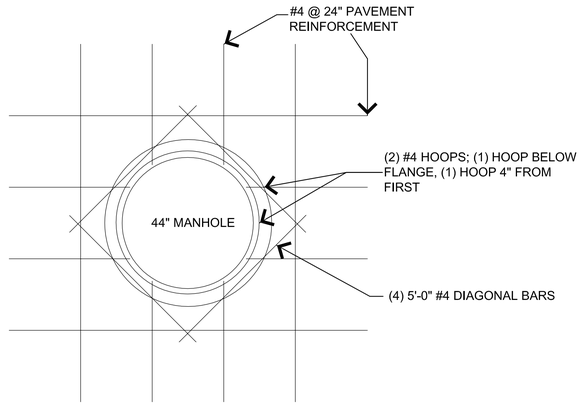
SECTION A



SECTION B

4 UGST PAVING FOR PAVEMENT SLOPE <3%

Not to Scale



General Notes:

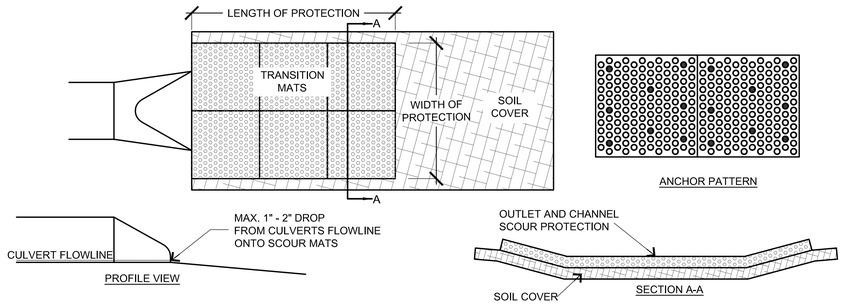
1 ALL REINFORCING IS CENTER OF SLAB.

6 UGST Manhole Detail

1/2" = 1'-0"

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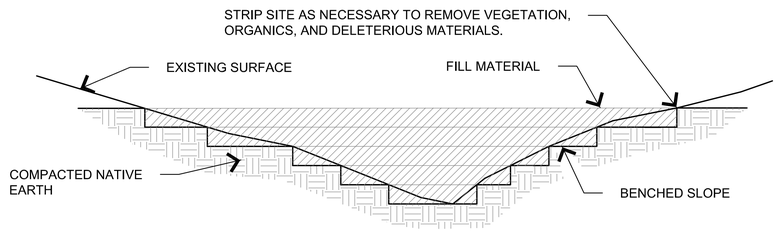
PROJECT: 2020 Civil Details
ITEM DATE: 01/14/20
REVISED ON: 1 03/20/20, 2 10/26/20
DRAWING INFORMATION: CIVIL DETAILS
DRAWING INFORMATION: CONSTRUCTION DIVISION
DRAWN BY: ARLON GOFORTH III
CHECKED BY:
C-602



NOTE: INSTALL PER MANUFACTURE'S RECOMMENDATIONS.

1 SCOUR STOP EROSION CONTROL

Not to Scale

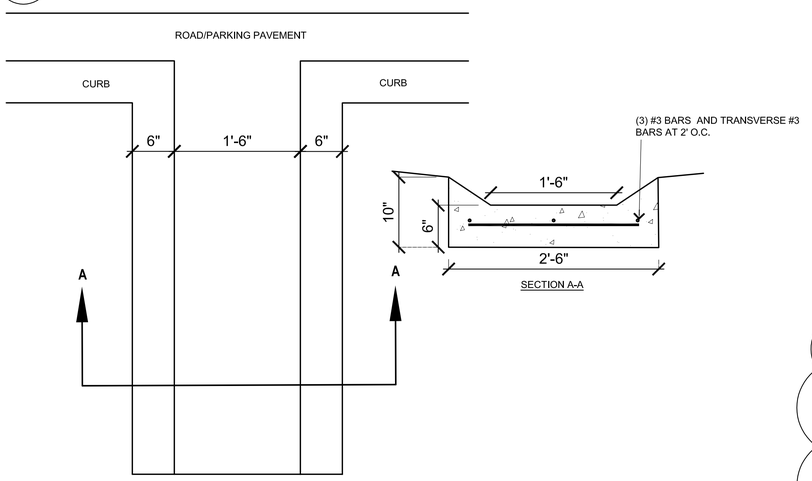


NOTES:

1. BENCH SLOPES TO MAINTAIN VERTICAL SIDE SLOPES AT FILL LIMITS +/- 3' VERTICAL TO +/- 8' HORIZONTAL.
2. COMPACTION SHALL BE IN 8" LIFTS TO 95% STANDARD PROCTOR OR OTHERWISE SPECIFIED IN GEOTECHNICAL REPORT.
3. SCARIFY ORIGINAL GROUND AND BLEND WITH FIRST LIFT ON EACH BENCH.
4. ALL FILL MATERIALS, INCLUDING FILL GENERATED ON-SITE, SHALL BE OF SUITABLE MATERIAL. UNSUITABLE FILL MATERIAL INCLUDES, BUT IS NOT LIMITED TO, SOIL THAT CONTAINS LARGE ROCKS, TREE AND PLANT ROOTS, CONCRETE, TRASH, ETC.

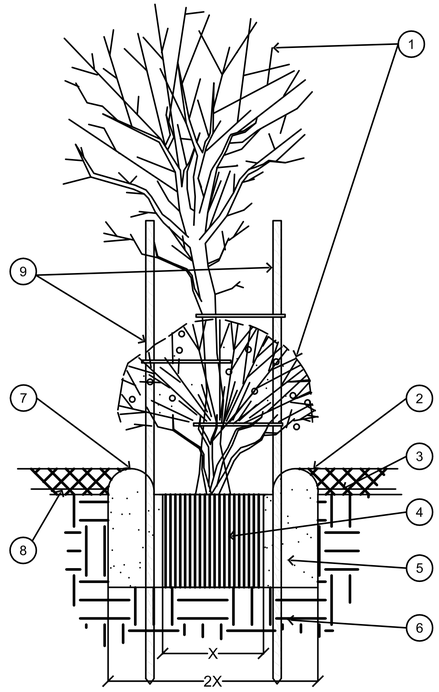
2 TYPICAL FILL SECTION

Not to Scale



3 CURB CUT FLUME DETAIL

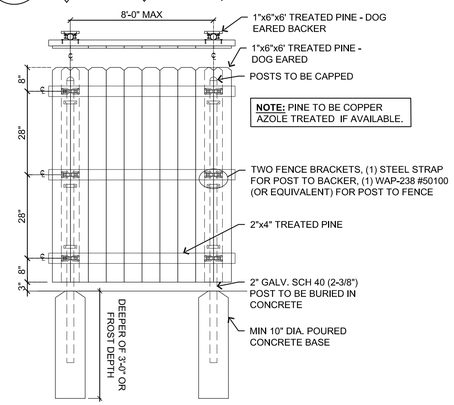
Not to Scale



1. TREE/SHRUB, PERENNIAL, OR ORNAMENTAL GRASS.
2. GROUNDCOVER: 3" DEPTH OF 3/4" WASHED STONE OR WASHED BRICK CHIPS AS INDICATED IN LANDSCAPING PLAN.
3. FINISH GRADE.
4. ROOT BALL.
5. BACKFILL. AMEND AND FERTILIZE AS RECOMMENDED BY LOCAL SUPPLIER
6. UNDISTURBED NATIVE SOIL.
7. 3" HIGH EARTHEN WATERING BASIN.
8. HEAVY WEED FABRIC UNDER GROUNDCOVER.
9. FOR TREES, 2 STAKES/GUIDEPOSTS MIN; 3 REQ ON SLOPES WITH TIES

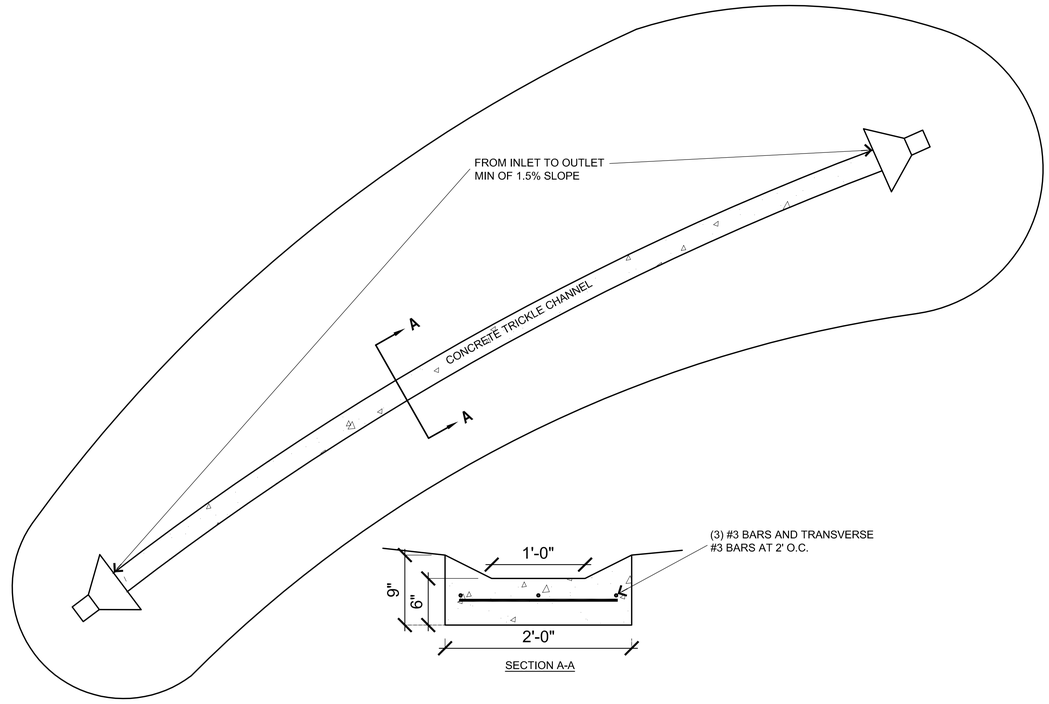
4 PLANT/TREE INSTALLATION

Not to Scale



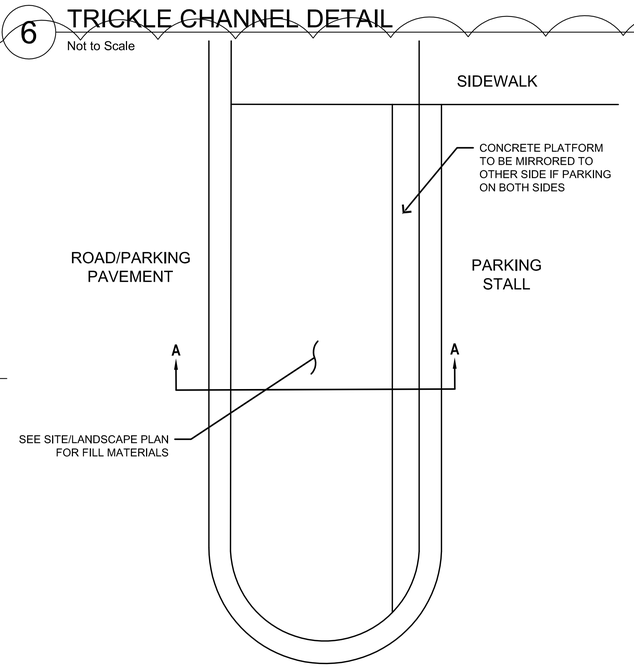
5 SCREEN/PRIVACY FENCE

Not to Scale



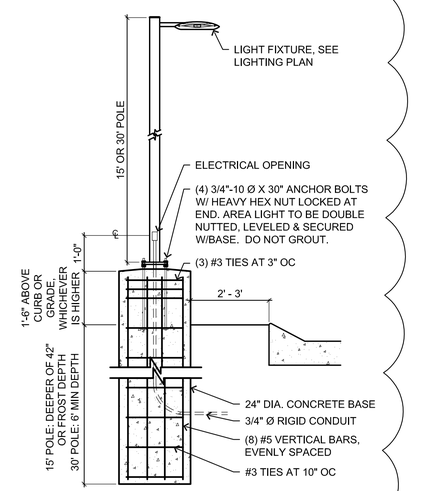
6 TRICKLE CHANNEL DETAIL

Not to Scale



7 PARKING LANDSCAPE ISLAND DETAIL

3/8" = 1'-0"



8 AREA LIGHTING

1/2" = 1'-0"

2

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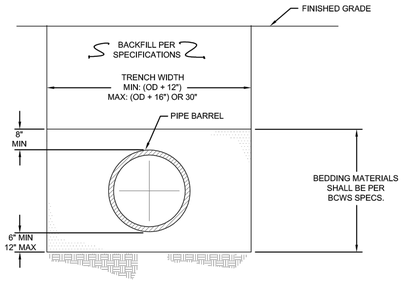
PROJECT: 2020 Civil Details

ISSUE DATE: 01/14/20
REVISED ON: 1 03/20/20, 2 10/26/20

DRAWING INFORMATION: CIVIL DETAILS

DRAWING INFORMATION: CONSTRUCTION DIVISION
DRAWN BY: ARLON GOFORTH III
CHECKED BY:

C-603

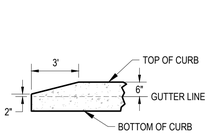


TYPICAL TRENCH DETAIL SEWER INSTALLATION

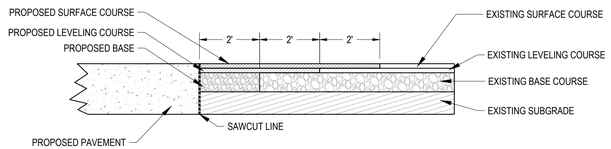
BUTLER COUNTY
WATER AND SEWER

130 HIGH STREET
HAMILTON, OH 45011
TELEPHONE: 513-887-3066
FAX: 513-887-3777

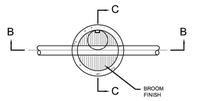
6270



CURB TAPER
NTS

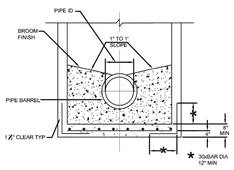


TYPICAL SAWCUT DETAIL
NTS

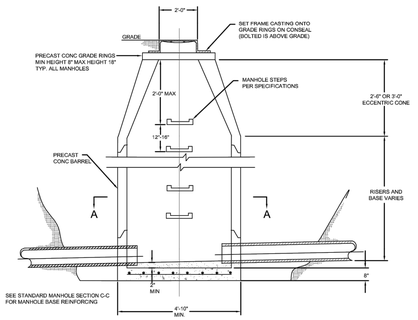


SECTION A - A

M.H. DEPTH	SLAB & DOWELL REBTEEL SQ. IN./T. E.W.
0'-10'	0.17
11'-20'	0.22
21'-30'	0.27
31'-40'	0.32



SECTION C - C

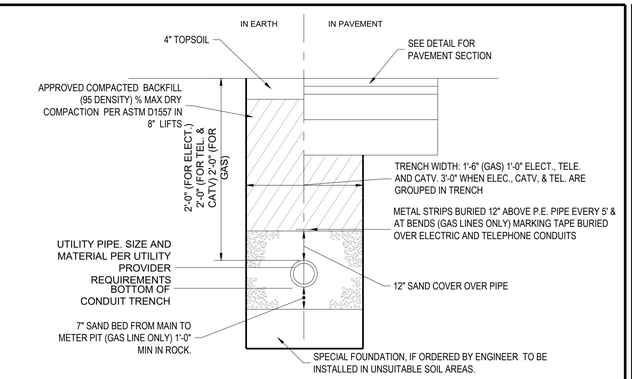


SECTION B - B

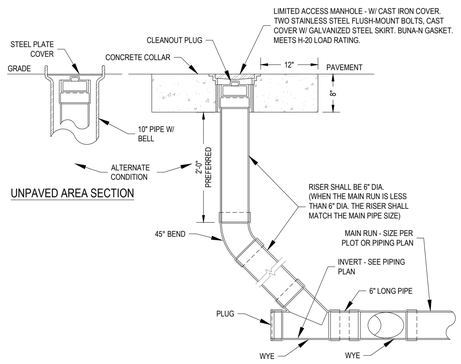
6200

BUTLER COUNTY
WATER AND SEWER
130 HIGH STREET
HAMILTON, OH 45011
TELEPHONE: 513-887-3066
FAX: 513-887-3777

STANDARD MANHOLE

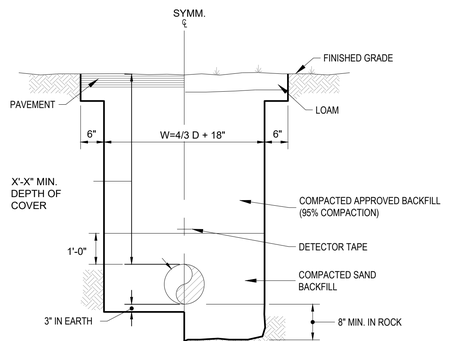


ELECTRICAL, TELEPHONE AND GAS TRENCH
NTS



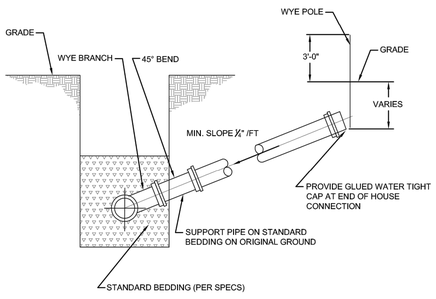
UNPAVED AREA SECTION

PIPE CLEANOUT
NTS



NOTE:
1. FIRE LINE PIPING AND SERVICE PIPING > 3" I.D. TO BE CLASS 53 DUCTILE IRON WITH RESTRAINED JOINTS 40 FT. EACH SIDE OF ALL FITTINGS, ELBOWS AND APPURTENANCES. DOMESTIC PIPING < 3" I.D. TO BE TYPE K COPPER PER ASTM B 88.
2. NOTE: PIPING TO BE HYDROSTATIC TESTED 2 HOURS @ 100 PSI. OVER NORMAL OPERATING PRESSURE AFTER INSTALLATION

TYPICAL WATER MAIN & SERVICE TRENCH DETAIL
NTS

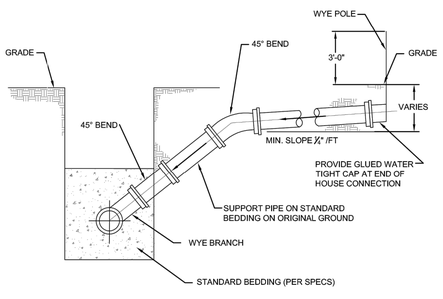


HOUSE CONNECTION FOR SHALLOW SEWER

BUTLER COUNTY
WATER AND SEWER

130 HIGH STREET
HAMILTON, OH 45011
TELEPHONE: 513-887-3066
FAX: 513-887-3777

6290

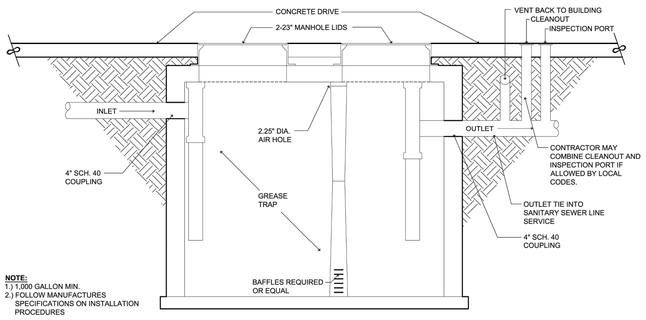


HOUSE CONNECTION FOR DEEP SEWER

BUTLER COUNTY
WATER AND SEWER\

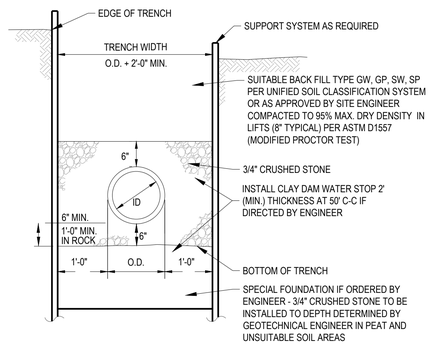
130 HIGH STREET
HAMILTON, OH 45011
TELEPHONE: 513-887-3066
FAX: 513-887-3777

6280



NOTE:
1.) 1,000 GALLON MIN.
2.) FOLLOW MANUFACTURES SPECIFICATIONS ON INSTALLATION PROCEDURES

GREASE INTERCEPTOR
NTS



TYPICAL SANITARY SEWER TRENCH SECTION
NTS

CESO
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NO.	DATE	REVISION DESCRIPTION

STATE OF OHIO
JEFFREY LONCHOR
E-85208
REGISTERED PROFESSIONAL ENGINEER
1/21/2021

Casey's

CASEY'S GENERAL STORES

HAMILTON, OH

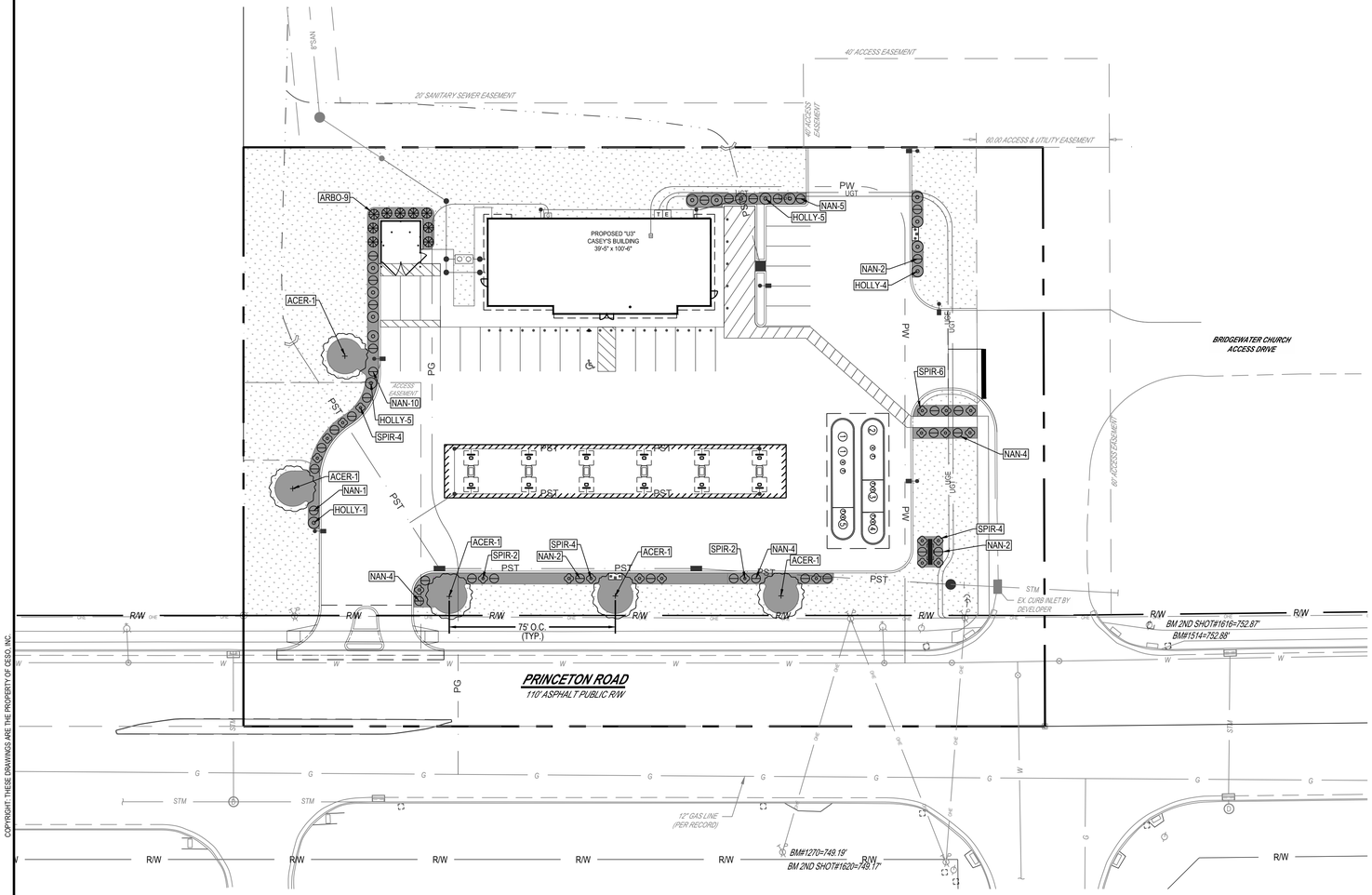
PRINCETON RD
HAMILTON, OH 45011

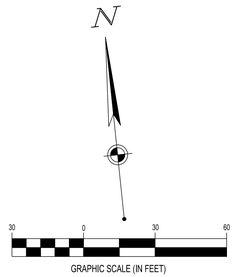
CONSTRUCTION DETAILS

ISSUE:	PERMIT SET
DATE:	01.21.2021
JOB NO.:	756995
DESIGN:	MST
DRAWN:	MST
CHECKED:	JJL

SHEET NO.
C-604

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LEGEND

EXISTING

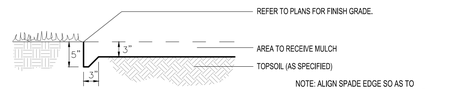
REFER TO SHEET C-001 FOR EXISTING FEATURES LEGEND

PROPOSED

SOD (OPEN SPACE)

LANDSCAPE BED / BRICK CHIPS (OPEN SPACE)

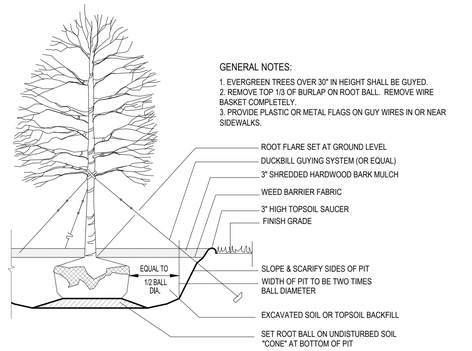
SHRUBS / TREES



NOTE: ALIGN SPADE EDGE SO AS TO MINIMIZE LARGE OPEN AREAS WITHOUT PLANT MATERIAL.

1 SPADE EDGE

NO SCALE



2 TREE PLANTING

NO SCALE

NOTE:
SEE SHRUB INSTALLATION DETAIL 8 ON SHEET C-601.

LANDSCAPING REQUIREMENTS:

1. MINIMUM GREEN SPACE:
   REQUIRED: 0.20 x 1.747 ACRES = 0.349 ACRES (20%)
   PROPOSED: 0.595 ACRES (34%)

2. SCREENING:
   REQUIRED: SCREENING AT REAR AND SIDE LOT LINES AS APPROVED BY THE BOARD OF FAIRFIELD TOWNSHIP TRUSTEES.
   PROPOSED: SHRUBS AS SHOWN ON THIS SHEET. SEE PLANT MATERIAL LIST ON THIS SHEET FOR SHRUB MATURE HEIGHT AND WIDTH.

PLANT MATERIAL LIST

SYM.	QTY.	PLANT NAME	NICKNAME	MATURE HT/SPD	SPACING	PLANTING SIZE
SHRUBS						
	15	'COMPACTA' JAPANESE HOLLY	HOLLY	6' / 6'	AS SHOWN	3 GAL.
	34	'FIREPOWER' DWARF NANDINA	NAN	2.5' / 2.5'	AS SHOWN	1 GAL.
	22	'GOLDFLAME' SPIREA	SPIR	3' / 4'	AS SHOWN	1 GAL.
EVERGREEN TREES						
	9	'EMERALD GREEN' ARBORVITAE	ARBO	8' / 4'	AS SHOWN	4' TALL
TREES						
	5	'TRIDENT MAPLE' ACER BUERGERIANUM	ACER	25' / 25'	AS SHOWN	2.5" CALIPER

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

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HAMILTON, OH 45011

LANDSCAPE PLAN

ISSUE:	PERMIT SET
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