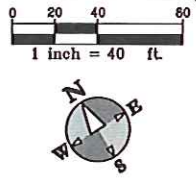


DOLLAR GENERAL - GROVE CITY, OH (HARRISBURG PIKE) STORE #17176



ZONING REQUIREMENTS

ZONING

SR - SEMI RURAL RESIDENTIAL
MUC - MIXED-USE COMMERCIAL OVERLAY

SETBACKS

BUILDING SETBACKS: FRONT = 80' SIDE = 15' REAR = 20'
PARKING SETBACKS: FRONT = 24'

PROPOSED USE
RETAIL STORE

PARKING

REQUIRED: 3 SPACES FOR FIRST 1,000 SFT + 1 SPACE/200 SFT ADDITIONAL
3 SPACES + 8,111 SFT/200 SFT = 44 SPACES
PROVIDED: 44 SPACES
BARRIER FREE SPACES 2

ALL BARRIER FREE SPACES DESIGNED PER ADA REQUIREMENTS

TYPICAL PARKING SPACE DIMENSION = 10'x20'
DRIVE AISLE WIDTHS = 36'

BUILDING AREA

THE BUILDING IS SINGLE-STORY (18') WITH A TOTAL AREA OF 9,111 SFT. SEE FLOOR PLAN AND ELEVATIONS FOR MORE DETAIL.

OWNER

GROVE CITY (HARRISBURG PIKE) DG, LLC
361 SUMMIT BLVD, SUITE 110
BIRMINGHAM, AL 35243
205.968.9220

LEGAL DESCRIPTION

PROPERTY DESCRIBED IN SCHEDULE 'A' OF OLD REPUBLIC NATIONAL TITLE INSURANCE COMPANY TITLE COMMITMENT NO. 01-15062059-01T:

SITUATED IN THE TOWNSHIP OF JACKSON, COUNTY OF FRANKLIN, STATE OF OHIO:

BEGINNING, FOR REFERENCE, AT A RAILROAD SPIKE SET AT THE INTERSECTION OF RENSCH ROAD AND U.S. RT. 62;

THENCE SOUTH 34 DEGREES 43 MINUTES 26 SECONDS WEST 597.71 FEET ALONG THE CENTERLINE OF U.S. RT. 62 TO AN ANGLE POINT;

THENCE SOUTH 34 DEGREES 37 MINUTES 28 SECONDS WEST 431.16 FEET, ALONG THE CENTERLINE OF U.S. RT. 62, TO THE TRUE POINT OF BEGINNING;

THENCE SOUTH 34 DEGREES 37 MINUTES 28 SECONDS WEST 68.33 FEET, ALONG THE CENTERLINE OF U.S. RT. 62, TO AN ANGLE POINT;

THENCE SOUTH 34 DEGREES 13 MINUTES 49 SECONDS WEST 376.01 FEET, ALONG THE CENTERLINE OF U.S. RT. 62, TO A RAILROAD SPIKE SET;

THENCE NORTH 56 DEGREES 17 MINUTES 20 SECONDS WEST 520.02 FEET (PASSING AN IRON PIPE SET AT 40.00 FEET) TO AN IRON PIPE SET IN THE EAST LINE OF THE B. & O. RAILROAD;

THENCE NORTH 33 DEGREES 37 MINUTES 00 SECONDS EAST 444.23 FEET, ALONG THE EAST LINE OF THE B. & O. RAILROAD, TO A CONCRETE POST;

THENCE SOUTH 56 DEGREES 17 MINUTES 52 SECONDS EAST 525.25 FEET TO THE TRUE POINT OF BEGINNING.

THE BASIS OF BEARINGS IS THE EAST LINE OF THE B. & O. RAILROAD AS RECORDED IN OFFICIAL RECORD 12304, PAGE D-16.

THIS DESCRIPTION WAS PREPARED FROM A FIELD SURVEY PERFORMED BY THE JERRY A. MALOTT SURVEYING CO. IN SEPTEMBER OF 1991.

NOTES

1. PROVIDE CURB CUTS/RAMPS AT ALL BARRIER FREE ACCESS POINTS.
2. PAVEMENT MARKINGS AND SIGNAGE SHALL CONFORM TO THE CURRENT OHIO MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE AMERICANS WITH DISABILITIES ACT (ADA).
3. SIGN DETAILS AND LOCATIONS SHOWN IN CONCEPT ONLY. CONTRACTOR TO PULL SIGN PERMIT AND ENSURE LOCAL SIGN ORDINANCE IS OBSERVED.
4. DRIVEWAY LAYOUT AND CONNECTION TO HARRISBURG PIKE (US-62) AND SHALL COMPLY WITH ODOT STANDARDS AND ALL ASPECTS OF THE DRIVE PERMIT.
5. ALL WORK REQUIRING PERSONS OR VEHICLES WITHIN HARRISBURG PIKE (US-62) R/W AND TRAFFIC CONTROL DEVICES AND PROCEDURES SHALL BE IN ACCORDANCE WITH THE OHIO MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND ITEM 614 (MAINTAINING TRAFFIC) OF THE CONSTRUCTION MATERIALS AND SPECIFICATIONS, CURRENT EDITIONS.
6. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR VERIFYING POSTAL DELIVERY METHOD WITH THE LOCAL JURISDICTION. IF A PHYSICAL MAILBOX IS REQUIRED, GC IS RESPONSIBLE FOR THE PURCHASE, LOCATION PLACEMENT AND INSTALLATION.

PLAN APPROVED BY:

OHIO DEPARTMENT OF TRANSPORTATION DATE

SIGNATURE BELOW SIGNIFIES ONLY CONCURRENCE WITH THE GENERAL PURPOSE AND GENERAL LOCATION OF THE PROJECT. ALL TECHNICAL DETAILS REMAIN THE RESPONSIBILITY OF THE ENGINEER PREPARING THE PLANS. APPROVAL ON THE PART OF THE FRANKLIN COUNTY DRAINAGE ENGINEER IS GIVEN ONLY FOR WORK RELATED TO STORMWATER COMPLIANCE.

FRANKLIN COUNTY DRAINAGE ENGINEER DATE

JACKSON TOWNSHIP DATE

LEGEND:

- STANDARD-DUTY BITUMINOUS PAVEMENT
- HEAVY-DUTY BITUMINOUS PAVEMENT
- HEAVY-DUTY BITUMINOUS PAVEMENT IN ODOT RIGHT-OF-WAY, SEE SHEET C-6.
- CONCRETE PAVEMENT AND SIDEWALK

- HMA PAVEMENT
- DUMPSTER ENCLOSURE (SEE DETAIL)
- INTEGRAL SIDEWALK/CURB (SEE DETAIL)
- DELIVERY ACCESS RAMP (SEE DETAIL)
- ADA RAMP (SEE DETAIL)
- CURB STOP (TYP.)
- DETENTION BASIN
- PROPOSED BUILDING SIGN
- PROPOSED PYLON/MONUMENT SIGN
- VEGETATED WATER QUALITY SWALE (SEE GRADING PLAN /DETAIL)
- CONCRETE SPILLWAY (SEE DETAIL)

DRAWING INDEX

SHT # DESCRIPTION

C-1 - SITE LAYOUT PLAN

C-2 - EXISTING CONDITIONS & DEMOLITION PLAN

C-3 - UTILITY PLAN

C-4 - MOUND SEPTIC PLAN

C-5 - GRADING-SESC PLAN

C-6 - SITE DETAILS

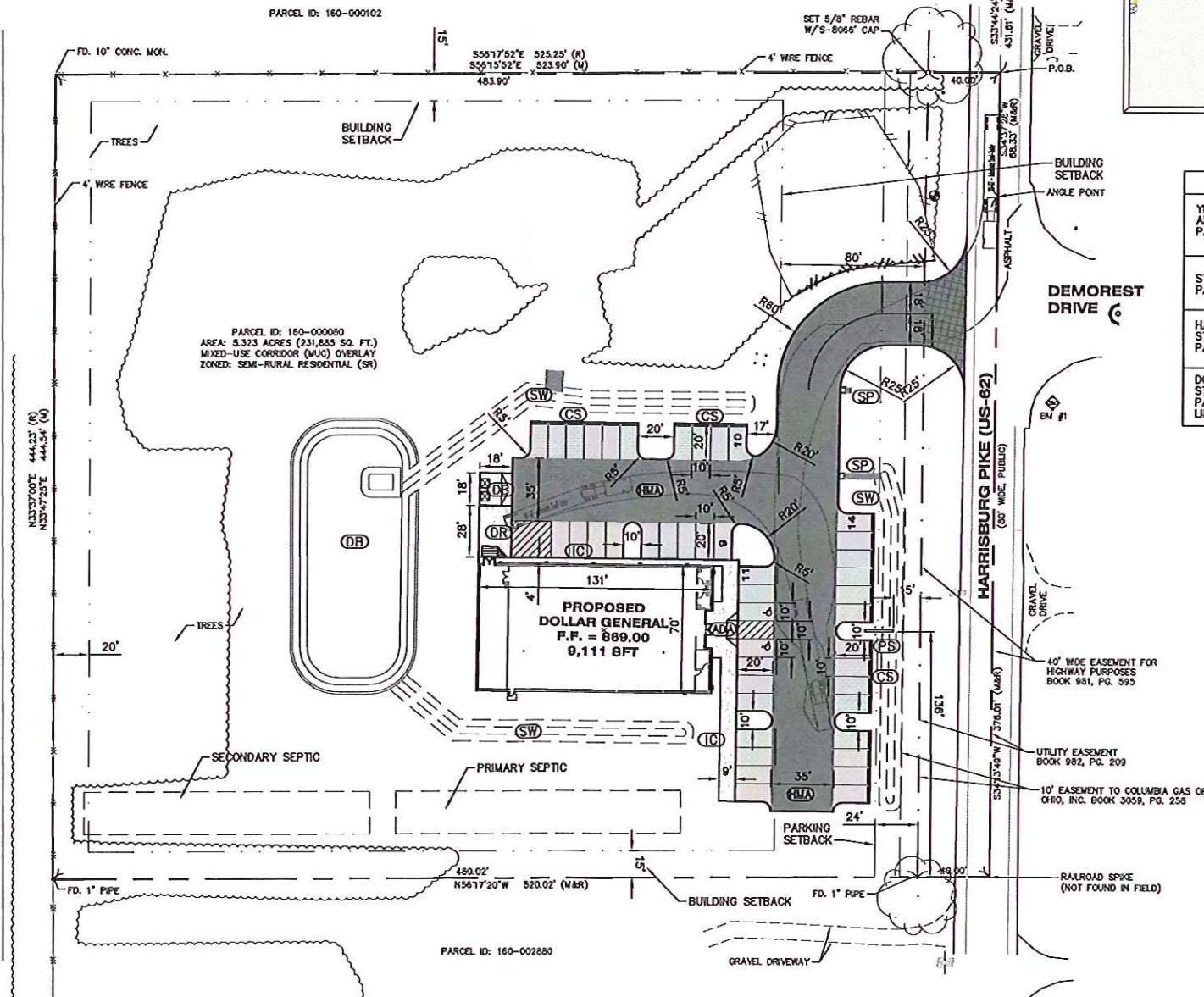
C-7 - SITE DETAILS

C-8 - UTILITY DETAILS

I-1 - IRRIGATION PLAN

L-1 - LANDSCAPE PLAN

L-2 - PHOTOMETRIC PLAN



SITE LOCATION MAP

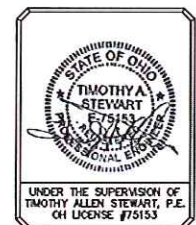
NOT TO SCALE

STRIPING LEGEND

YELLOW CURBING AND BOLLARDS - PARKING LOT	SURFACES SHOULD BE CLEAN, DRY AND METAL SURFACES FREE OF HEAVY RUST 2 COATS SHERWIN WILLIAMS - KEM 4000 ACRYLIC ALKID ENAMEL SAFETY YELLOW BSSY300
STRIPING - PARKING LOT	SURFACES SHOULD BE CLEAN, DRY. TOP COAT SHERWIN WILLIAMS - PROMAR TRAFFIC MARKING PAINT YELLOW TM5495
HANDICAP STRIPING - PARKING LOT	SURFACES SHOULD BE CLEAN, DRY. TOP COAT SHERWIN WILLIAMS - PROMAR TRAFFIC MARKING PAINT "H.C." BLUE
DOUBLE STRIPED PARKING LINES	ALL PARKING AREAS SHALL BE STRIPED WITH DOUBLE LINES 12" BOTH SIDES OF CENTER BETWEEN STALLS TO FACILITATE MOVEMENT.

BENCHMARKS

BM # 1 ELEVATION = 865.24
TOP OF RCP CULVERT
BASED ON USGS NAVD 1988 DATUM



ALL UTILITIES AS SHOWN ARE APPROXIMATE LOCATIONS DERIVED FROM ACTUAL MEASUREMENTS AND AVAILABLE RECORDS. THEY SHOULD NOT BE INTERPRETED TO BE EXACT LOCATION NOR SHOULD IT BE ASSUMED THAT THEY ARE THE ONLY UTILITIES IN THE AREA.

FIELD WORK PERFORMED BY:
LANDTECH PROFESSIONAL SURVEYING

SITE LAYOUT PLAN
GROVE CITY, OH (HARRISBURG PIKE) DOLLAR GENERAL
CAPITAL GROWTH - BUCHALTER

Sheet Title:
Project:
Client:
5/18/16
Sheet
C-1

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Job No: 15-001P P.L.: WP D.T.: A/C CA/QC: 5/18/16
ISSUED FOR DECISIONS:
1 PRELIMINARY ENGINEERING/SEPTIC REVIEW 1/7/16
2 ENGINEERING REVIEW 2/25/16
3 ENGINEERING REVIEW RESUBMITTAL 5/15/16
4 ODOT RESUBMITTAL 5/18/16
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NOTES

1. ALL DEMOLITION WORK SHALL CONFORM TO ALL LOCAL CODES AND ORDINANCES. ALL DEMOLITION OPERATIONS SHALL COMPLY WITH OSHA REGULATIONS INsofar AS THEY APPLY TO THE REQUIRED WORK. SOIL EROSION AND SEDIMENTATION CONTROL ITEMS SHALL BE IN PLACE PRIOR TO DEMOLITION.
2. THE CONTRACTOR SHALL REMOVE AND CLEAR ALL TREES, BRUSH, FENCES, BUILDINGS, CURB, AND ASPHALT AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
3. ALL DEMOLITION MATERIAL SHALL BE PROPERLY REMOVED FROM THE SITE AND DISPOSED OF IN A LEGALLY DESIGNATED DISPOSAL AREA. PERMITS AND FEES FOR DISPOSAL OF DEMOLITION MATERIAL SHALL BE OBTAINED AND PAID FOR BY THE CONTRACTOR.
4. THE CONTRACTOR SHALL DEMOLISH AND REMOVE ANY ITEMS REMAINING FROM THE EXISTING BUILDING, IN ITS ENTIRETY, INCLUDING WALLS, FOUNDATIONS AND FOOTINGS. ALL BUILDING DRAINS AND UTILITY LEADS SHALL BE LOCATED AND PROPERLY PLUGGED. UTILITY LEAD WORK SHALL BE COORDINATED WITH THE APPROPRIATE UTILITY COMPANY.
5. BACKFILL EXCAVATED AREAS WITH CLEAN GRANULAR FILL COMPACTED TO 95% OF THE MATERIAL UNIT WEIGHT BY MODIFIED PROCTOR.

EXISTING STRUCTURE DATA

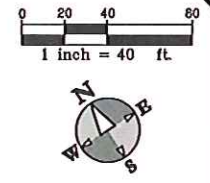
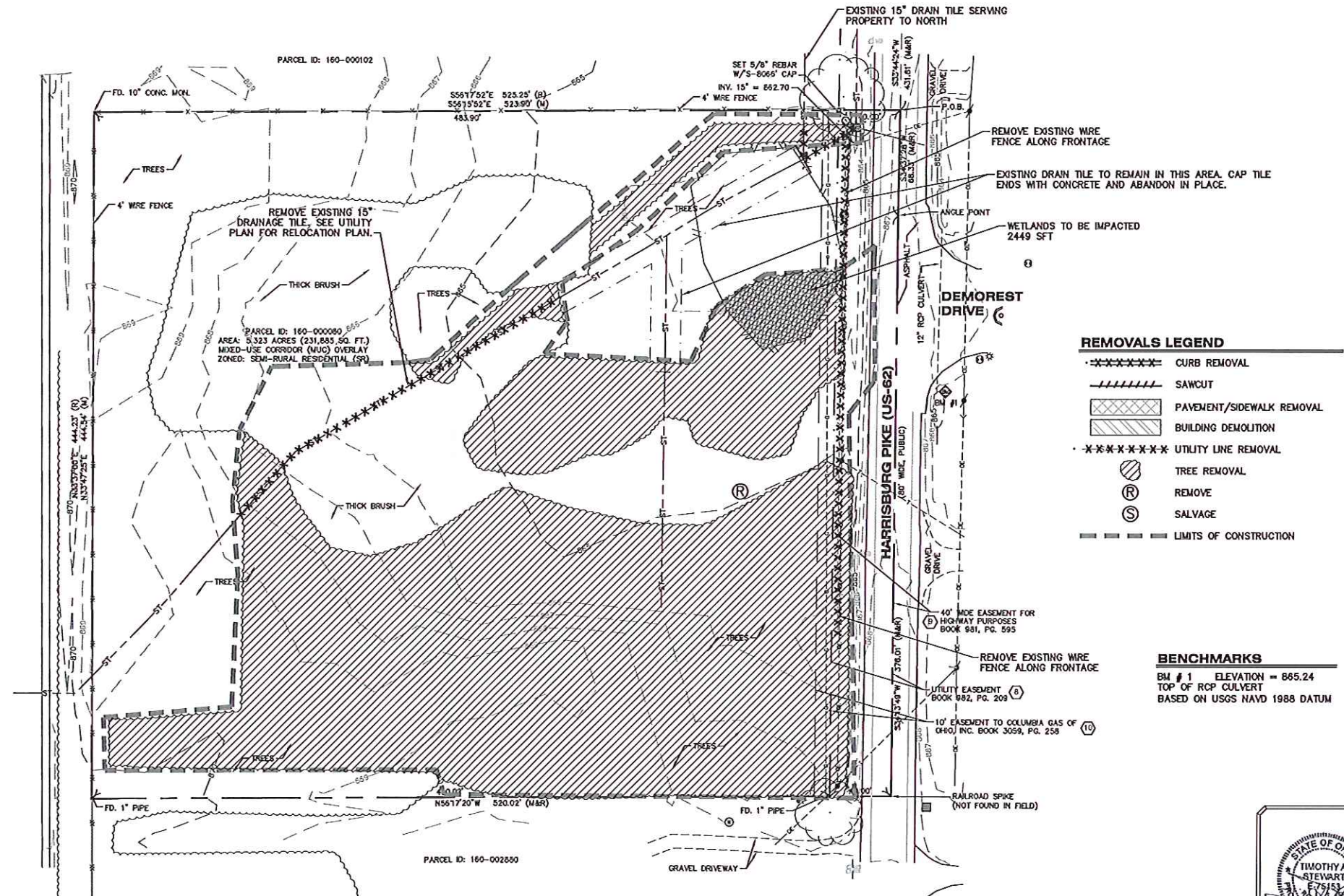
EX STM CB #1
RM = 864.29
INV. 15" SW = 861.77
INV. 15" NE = 860.53
INV. 12" SE = 860.28

EASEMENTS OF RECORD

- (8) EASEMENT IN FAVOR OF THE OHIO BELL TELEPHONE COMPANY, RECORDED 09/30/1932, AS BOOK 882, PAGE 209 OF THE FRANKLIN COUNTY RECORDS. [AFFECTS SURVEYED PROPERTY, PLOTTED HEREON.]
- (9) EASEMENT IN FAVOR OF THE STATE OF OHIO, RECORDED 03/14/1933, AS BOOK 981, PAGE 595 OF THE FRANKLIN COUNTY RECORDS. [AFFECTS SURVEYED PROPERTY, PLOTTED HEREON.]
- (10) RIGHT OF WAY IN FAVOR OF COLUMBIA GAS OF OHIO, INC., RECORDED 05/22/1970 IN BOOK 3059, PAGE 258 OF FRANKLIN COUNTY RECORDS. [AFFECTS SURVEYED PROPERTY, PLOTTED HEREON.]

ENCROACHMENTS OF RECORD

NO ENCROACHMENTS OBSERVED ON THE SURVEYED PROPERTY AT TIME OF SURVEY



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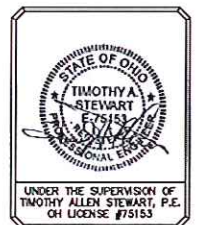
Job No. 15-001P P.M.J.WP Dft. A.C. QA/QC: 5/18/16
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3 PRELIMINARY ENGINEERING/SEPTIC REVIEW 1/7/16
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6 ODOT RESUBMITTAL 5/18/16
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Sheet Title: EXISTING CONDITIONS & DEMOLITION PLAN
Project: GROVE CITY, OH (HARRISBURG PIKE) DOLLAR GENERAL
Client: CAPITAL GROWTH - BUCHALTER

5/18/16
Sheet

C-2

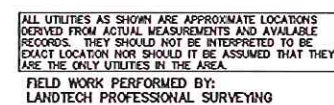
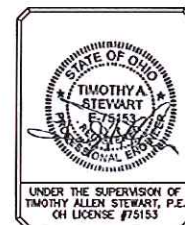
ALL UTILITIES AS SHOWN ARE APPROXIMATE LOCATIONS DERIVED FROM ACTUAL MEASUREMENTS AND AVAILABLE RECORDS. THEY SHOULD NOT BE INTERPRETED TO BE EXACT LOCATION NOR SHOULD IT BE ASSUMED THAT THEY ARE THE ONLY UTILITIES IN THE AREA.
FIELD WORK PERFORMED BY:
LANDTECH PROFESSIONAL SURVEYING



1. FOR PROTECTION OF UNDERGROUND UTILITIES, CALL THE OHIO UTILITIES PROTECTION SERVICE AT 1-800-362-2764 A MINIMUM OF 48 HOURS PRIOR TO EXCAVATING.
2. ALL MATERIAL AND CONSTRUCTION WILL BE IN ACCORDANCE WITH THE CONSTRUCTION STANDARDS AND SPECIFICATIONS OF THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION (ODOT) DATED JANUARY 1, 2013. ODOT SPECIFICATIONS ARE SUBJECT TO THE CURRENT ADDENDA. IN ADDITION, ALL WORK WILL BE IN COMPLIANCE WITH ALL APPLICABLE FEDERAL AND STATE STANDARDS AND REGULATIONS.
3. ALL BEDDING MATERIAL TYPES ARE TO BE PER ODOT SPEC. 603.06.
4. ALL BACKFILL MATERIAL TYPES ARE TO BE PER ODOT SPEC. 603.10.
5. GRANULAR MATERIAL OR CDF SHALL BE USED FOR BACKFILLING ALL TRENCHES UNDER PAVEMENT AND/OR ANY PORTION OF THE TRENCH THAT IS WITHIN 10 FT. OF THE PAVEMENT EDGE OR CURB. PAVEMENT SHALL INCLUDE BUT IS NOT LIMITED TO: ROADWAYS, SIDEWALKS, SERVICE WALKS, DRIVEWAY APPROACHES, PARKING LOTS OR ANY PROPOSED PAVED SURFACE.
6. SOIL EROSION AND SEDIMENTATION BEST MANAGEMENT PRACTICE (BMP) MEASURES WILL BE INSTALLED PRIOR TO START OF ANY CONSTRUCTION AND WILL BE MAINTAINED AT ALL TIMES UNTIL CONSTRUCTION HAS BEEN COMPLETED, INCLUDING ALL GRASS BEING WELL ESTABLISHED AND/OR PERMANENT EROSION AND SEDIMENTATION BMP MEASURES ARE IN PLACE.
7. COORDINATE ALL UTILITY LOCATIONS AND ELEVATIONS WITH MECHANICAL DRAWINGS AND BUILDING CONTRACTOR PRIOR TO INSTALLATION.
8. REMOVE SEDIMENT FROM ALL STRUCTURES ONCE PAVING IS COMPLETE AND REMOVE SILT SACKS.
9. SANITARY SEWER MATERIALS AND INSTALLATION SHALL COMPLY WITH FRANKLIN COUNTY REQUIREMENTS. COORDINATE WORK AND INSPECTIONS WITH FRANKLIN COUNTY.
10. WATER SUPPLY MATERIALS AND INSTALLATION SHALL COMPLY WITH FRANKLIN COUNTY UTILITIES REQUIREMENTS AND SPECIFICATIONS. COORDINATE CONNECTIONS WITH FRANKLIN COUNTY.
11. STORM SEWER MATERIALS SHALL BE ADS N-12(HDPE) OR ASTM C-78 CL IV (RCP) AS NOTED ON THE PLAN
12. CONTRACTOR TO COORDINATE PRIVATE UTILITY CONNECTIONS WITH UTILITY COMPANIES.
13. PLACE SANITARY CLEANOUT EVERY 100' AND/OR AT BENDS ON ALL 6" SANITARY SEWER LEADS.
14. ALL STRUCTURE CASTINGS TO BE EAST JORDAN IRON WORKS OR APPROVED EQUAL. SEE STRUCTURE TABLE FOR SPECIFIC CASTING AT EACH STRUCTURE.
15. THE CONTRACTOR SHALL INSTALL PEDESTRIAN FENCE AROUND ALL EXCAVATIONS TO BE LEFT OPEN OVERNIGHT AS REQUIRED.
16. CONTRACTOR SHALL REFER TO THE GEOTECHNICAL REPORT FOR GROUNDWATER AND SOILS INFORMATION. ANY UTILITIES REQUIRING DEWATERING SHALL BE INSTALLED TO FRANKLIN COUNTY STANDARDS AND INCLUDED IN THE INSTALLATION COSTS. CONTRACTOR IS RESPONSIBLE FOR ALL DEWATERING NECESSARY TO CONSTRUCT UTILITIES IN THE DRY.
17. PROVIDE 1" BURIED CONDUIT FROM ELECTRICAL PANEL TO LOCATION OF THE SIGN BASE. A TEMPORARY 3' TALL STAKE SHALL BE PROVIDED AT THE SIGN LOCATION UNTIL THE SIGN IS PERMANENTLY INSTALLED.
18. UNDERGROUND ELECTRICAL SHALL BE PROVIDED TO THE SITE LIGHT POLES.
19. IF ANY ERRORS, DISCREPANCIES, OR OMISSIONS BECOME APPARENT, THESE SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONSTRUCTION OF ANYTHING AFFECTED SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.

* OUTLET CONTROL STRUCTURE. SEE DETAIL.
** VERIFY INVERT ELEVATION OF EXISTING DRAIN TILE IN FIELD.
*** CONTRACTOR TO CONFIRM AS-BUILT INVERT ELEVATIONS FOR OS-5:

* CONTRACTOR TO VERIFY DETENTION BASIN VOLUME MEETS/EXCEEDS VOLUME AS DESIGNED AND SHOWN IN TABLE ABOVE.



Sheet Title: **G**
Project: **G**
Client: **G**
5/18/16
Sheet

C-3

Job No.: 15-001P P.M.: JWP Dtg: A/C Q4/QC: 5/18/16

	ISSUED FOR REVISIONS:	
3	PRELIMINARY ENGINEERING/SEPTIC REVIEW	1/7/16
4	ENGINEERING REVIEW	2/25/16
5	ENGINEERING REVIEW RESUBMITTAL	5/5/16
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UTILITY NOTES

- FOR PROTECTION OF UNDERGROUND UTILITIES, CALL THE OHIO UTILITIES PROTECTION SERVICE AT 1-800-362-2764 A MINIMUM OF 48 HOURS PRIOR TO EXCAVATING.
- ALL MATERIAL AND CONSTRUCTION WILL BE IN ACCORDANCE WITH THE CONSTRUCTION STANDARDS AND SPECIFICATIONS OF THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION (ODOT) DATED JANUARY 1, 2010. ODOT SPECIFICATIONS ARE SUBJECT TO THE CURRENT ADDENDA. IN ADDITION, ALL WORK WILL BE IN COMPLIANCE WITH ALL APPLICABLE FEDERAL AND STATE STANDARDS AND REGULATIONS.
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- ALL BACKFILL MATERIAL TYPES ARE TO BE PER ODOT SPEC. 603.10.
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- SOIL EROSION AND SEDIMENTATION BEST MANAGEMENT PRACTICE (BMP) MEASURES WILL BE INSTALLED PRIOR TO START OF ANY CONSTRUCTION AND WILL BE MAINTAINED AT ALL TIMES UNTIL CONSTRUCTION HAS BEEN COMPLETED, INCLUDING ALL GRASS BEING WELL ESTABLISHED AND/OR PERMANENT EROSION AND SEDIMENTATION BMP MEASURES ARE IN PLACE.
- COORDINATE ALL UTILITY LOCATIONS AND ELEVATIONS WITH MECHANICAL DRAWINGS AND BUILDING CONTRACTOR PRIOR TO INSTALLATION.
- SANITARY SEWER/SEPTIC MATERIALS AND INSTALLATION SHALL COMPLY WITH FRANKLIN COUNTY PUBLIC HEALTH REQUIREMENTS. COORDINATE SANITARY/SEPTIC WORK AND INSPECTIONS WITH FRANKLIN COUNTY PUBLIC HEALTH.
- PLACE SANITARY CLEANOUT EVERY 100' AND/OR AT BENDS ON ALL 6" SANITARY SEWER LEADS.
- ALL STRUCTURE CASTINGS TO BE EAST JORDAN IRON WORKS OR APPROVED EQUAL SEE STRUCTURE TABLE FOR SPECIFIC CASTING AT EACH STRUCTURE.
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SEPTIC NOTES

- SEPTIC TANK(S) MUST BE EQUIPPED WITH EFFLUENT FILTER RETAINING SOLIDS GREATER THAN 1/16".
- INSTALLER/DESIGNER ARE TO COORDINATE ON THE PROVISION OF AN ACCURATE AS-BUILT RECORD.
- THE STS INSTALLER IS TO CONSULT WITH THE DESIGNER REGARDING ANY INTENDED CHANGES TO THE PLAN.
- THIS HSTS DESIGN PLAN IS NOT A SURVEY.
- THE STS AREA SHALL BE PROTECTED FROM DISTURBANCE ONCE INSTALLED.

MOUND SEPTIC FIELD SPECIFICATIONS

DAILY DESIGN FLOW
360 GALLONS PER DAY (BASED ON DOLLAR GENERAL WATER USAGE DATA)

LOADING RATES

SELECTED LINEAR LOADING RATE: 2.7 GPD/LFT

SELECTED BASAL LOADING RATE: 0.6 GPD/SFT

SELECTED SAND FILL LOADING RATE: 1.0 GPD/SFT

SYSTEM OVERVIEW

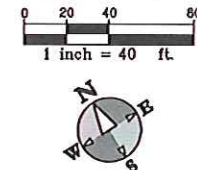
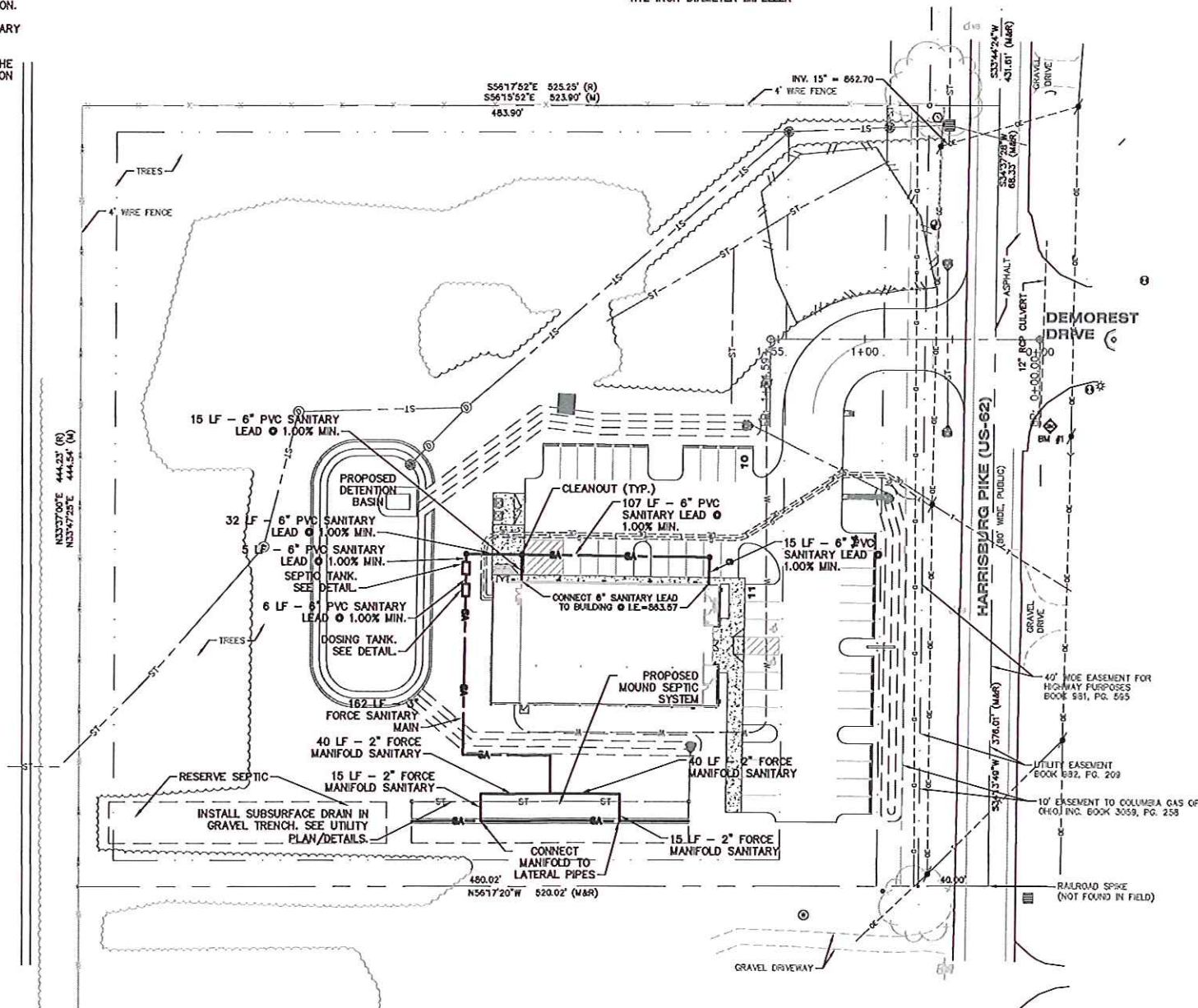
THE MOUND SEPTIC SYSTEM CONTAINS THE FOLLOWING CHARACTERISTICS:

- 2.7' DISTRIBUTION AREA WIDTH
- 133.33' DISTRIBUTION AREA LENGTH
- 4.5' BASAL WIDTH
- OVERALL SAND LENGTH & WIDTH: 157' X 23'
- FOUR 33.33' LATERAL PIPES W/ 1.50" DIAMETER
- 60 3/16" DIAMETER HOLES (15 PER LATERAL)
- SYSTEM FLOW RATE: 46.8 GAL/MIN
- TOTAL DYNAMIC HEAD: 17.5 FT
- TOTAL LENGTH OF 3" MAIN PIPE: 101 LFT
- TOTAL LENGTH OF 2" MANIFOLD PIPE: 104 LFT
- MINIMUM SIZE OF DOSING CHAMBER = 1.50 X 360 GPD = 540 GAL (1000 GAL PROVIDED)
- 4 DOSES OF 90 GALLONS PER DAY

PUMP OVERVIEW

BARNES SUBMERSIBLE GRINDER PUMP: MODEL #SGV3072L

- 3 HP MOTOR
- 240 VOLT
- SINGLE PHASE ELECTRIC
- 3450 RPM
- 4.12 INCH DIAMETER IMPELLER



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FIELD WORK PERFORMED BY:
LANDTECH PROFESSIONAL SURVEYING

MOUND SEPTIC PLAN
GROVE CITY, OH (HARRISBURG PIKE) DOLLAR GENERAL
CAPITAL GROWTH - BUCHALTER

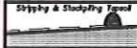
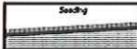
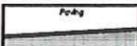
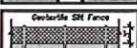
Sheet Title:
Project:
Client:
5/18/16
Sheet
C-4

Job No: 15-001P	P.M.: JWP	Dr: ALC	QA/QC: S/18/16
ISSUED FOR: SEPTIC REVIEW	1/7/16		
3. PRELIMINARY ENGINEERING/SEPTIC REVIEW	2/25/16		
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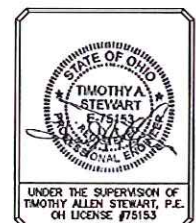
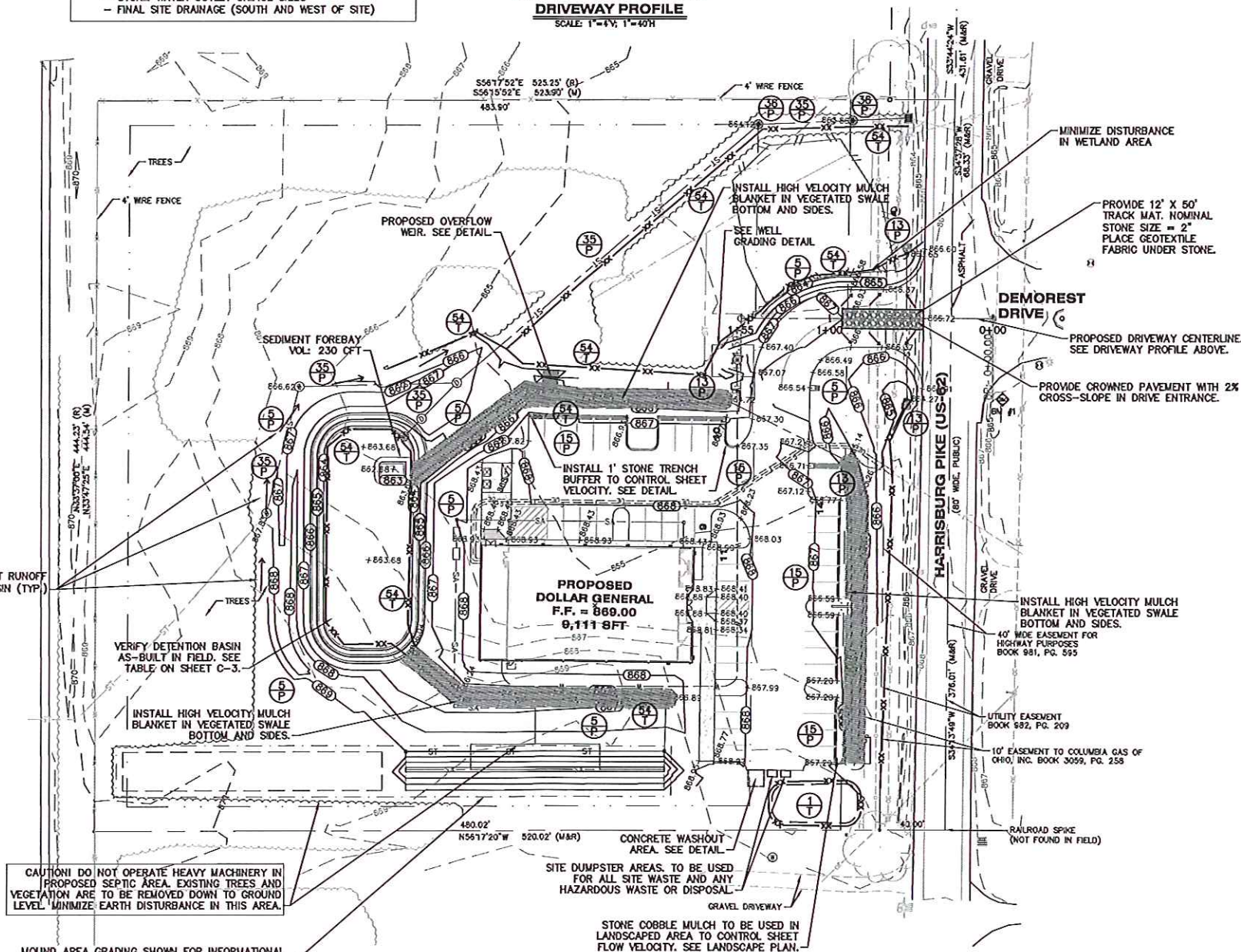
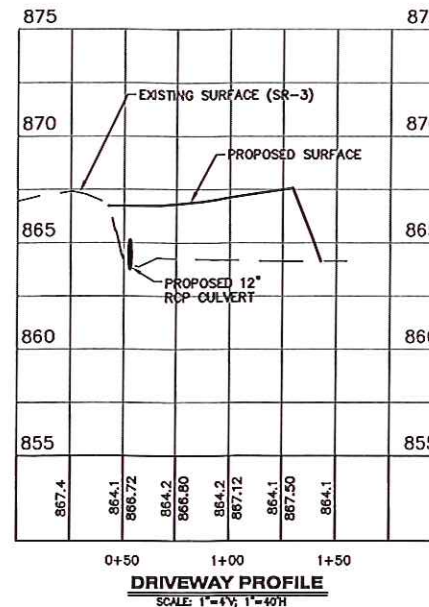
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KEY	DETAIL	CHARACTERISTICS
1		Slope may be sloped to allow storm water to act as a drain Sloped should be temporary slope
5		Inexpensive & very effective Stabilizes soil, thus inhibiting erosion Permits runoff to infiltrate soil, reducing runoff volume Should include prepared topsoil bed
8		Provides immediate protection Can be used on steep slopes where seed may be difficult to establish Easy to plant, may be replant if damaged Should include prepared topsoil bed
13		Used where vegetation is not easily established Effective for high velocities or high concentrations Permits runoff to infiltrate soil Stabilizes energy flow at system outlets
15		Protects areas which cannot otherwise be protected, but increases runoff volume and velocity Infiltrative surface will help slow velocity
35		System removal collected runoff from area, particularly from paved areas Can accept large concentrations of runoff Conducts runoff to municipal sewer system or established outlet location Use catch basins to collect sediment
36		Collects high velocity concentrated runoff May use after catch over inlet
54		Use geotextiles and posts or poles May be constructed or prepackaged Easy to construct and locate as necessary

**** NOTE: AN AS-BUILT SURVEY WILL BE REQUIRED BY THE OHIO DEPARTMENT OF TRANSPORTATION TO CONFIRM THE FOLLOWING:**

- DETENTION POND VOLUME
- STORM WATER OUTLET ORIFICE SIZES
- FINAL SITE DRAINAGE (SOUTH AND WEST OF SITE)

1. MATCH EXISTING GRADES AROUND PERIMETER WITH SLOPES AS SHOWN.
2. ALL SPOT ELEVATIONS ARE TOP OF PAVEMENT GRADES AT EDGE OF METAL (EOM) UNLESS OTHERWISE NOTED.
3. ALL SOIL EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO MASS GRADING.
4. ALL EXCAVATION AND SITE PREPARATION SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEERING REPORT, PSI PROJECT NO. 0102911 ISSUED 12/11/2015.
5. ALL EXISTING ELEVATIONS ARE TO BE VERIFIED AND ACCEPTED AS SHOWN PRIOR TO COMMENCEMENT OF WORK.
6. CONTRACTOR SHALL TAKE PRECAUTIONS TO AVOID TRACKING SOIL ONTO ADJACENT ROADWAYS. SCRAPE ROAD AT THE END OF EACH WORKDAY AND SWEEP AT LEAST ONCE A WEEK.
7. ANY DISTURBED AREA THAT WILL BE LEFT UNWORKED 5 DAYS OR LONGER MUST BE SEEDDED AND MULCHED OR SOODED TO ESTABLISH VEGETATION FOR TEMPORARY STABILIZATION. BASINS TO BE SEEDDED AND MULCH BLANKETS APPLIED IMMEDIATELY TO PROVIDE A STABLE BASE AND AVOID EXCESSIVE EROSION.
8. STRAW MULCH BLANKETS SHALL BE USED ON 3:1 SLOPES OR GREATER. ALL SLOPES ON SITE SHALL BE 4:1 OR LESS, UNLESS OTHERWISE DIRECTED BY ENGINEER.
9. ROAD RIGHTS-OF-WAY MUST BE STABILIZED WITH SEED AND MULCH WITHIN 5 DAYS OF COMPLETING UTILITY WORK IN THE RIGHT-OF-WAY.
10. AREAS OF EARTH CHANGE THAT ARE DISTURBED BEYOND THE FALL SEEDING DEADLINE (NOV. 1) MUST BE TEMPORARILY STABILIZED WITH A MINIMUM OF STRAW MULCH SECURELY CRIMPED TO THE GROUND.
11. ACCUMULATED SEDIMENT TO BE REMOVED FROM STORM SYSTEM UPON COMPLETION OF CONSTRUCTION. ALL TEMPORARY CONTROLS TO BE REMOVED AFTER SITE IS STABILIZED AND VEGETATION ESTABLISHED.



ALL UTILITIES AS SHOWN ARE APPROXIMATE LOCATIONS
DERIVED FROM ACTUAL MEASUREMENTS AND AVAILABLE
RECORDS. THEY SHOULD NOT BE INTERPRETED TO BE
EXACT LOCATION NOR SHOULD IT BE ASSUMED THAT THEY
ARE THE ONLY UTILITIES IN THE AREA.

FIELD WORK PERFORMED BY:
LANDTECH PROFESSIONAL SURVEYING

**GRADING-SESC PLAN
CITY, OH (HARRISBURG PIKE) DOLLAR GENERAL
CAPITAL GROWTH - BUCHALTER**

Sheet Title: **G**
 Project: **G**
 Client: **G**
 5/18/16
 Sheet
C-5

Job No. 15-001P	P.M.:JWP	Dr. JAC	Q/QC: 5/18/16
ISSUED FOR REVISIONS:			
3	PRELIMINARY ENGINEERING/SEPTIC REVIEW	1/7/16	
4	ENGINEERING REVIEW	2/25/16	
5	ENGINEERING REVIEW RESUBMITTAL	5/5/16	
6	ODOT RESUBMITTAL	5/19/16	

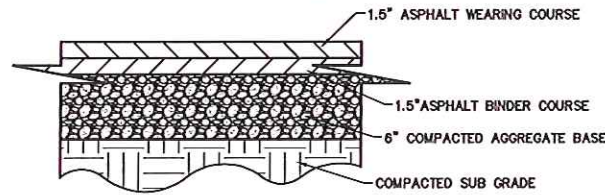
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Kalamazoo, michigan 49009
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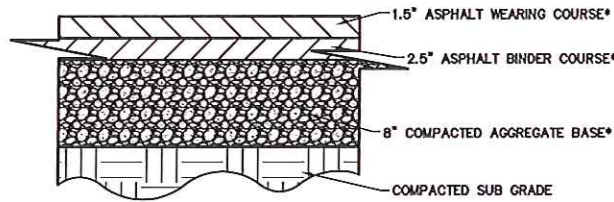
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PAVEMENT NOTES:

1. THE SUBGRADE MATERIALS SHALL BE PROOF ROLLED AND/OR SCARIFIED AND COMPACTED PRIOR TO PLACEMENT OF BASE MATERIAL. WHERE EXISTING SUBGRADE MATERIALS ARE UNSUITABLE, THEY SHALL BE REMOVED AND REPLACED WITH COMPACTED SELECT MATERIAL IN ACCORDANCE WITH GEOTECHNICAL RECOMMENDATIONS.
2. HEAVY DUTY CONCRETE PAVEMENT AND STANDARD DUTY CONCRETE PAVEMENT (AS RECOMMENDED BY THE GEOTECHNICAL REPORT OR DOLLAR GENERAL MINIMUMS) SHALL BE STEEL REINFORCED. REINFORCEMENT TYPE SHALL BE PRIOR APPROVED BY DOLLAR GENERAL.
3. CONCRETE PAVEMENT PLAN SHALL BE PROVIDED TO DOLLAR GENERAL FOR PRIOR APPROVAL. ALL JOINTS MUST BE SEALED WITH AN APPROVED SEALANT. STEEL REINFORCING SHALL BE USED AT JOINTS. REFER TO ACI 330R (GUIDE FOR DESIGN AND CONSTRUCTION OF CONCRETE PARKING LOTS) FOR JOINT DESIGN AND LAYOUT.
4. ALL PAVEMENT AND AGGREGATE MATERIALS SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEERING REPORT, PSI PROJECT NO. 0102911 ISSUED 12/11/15



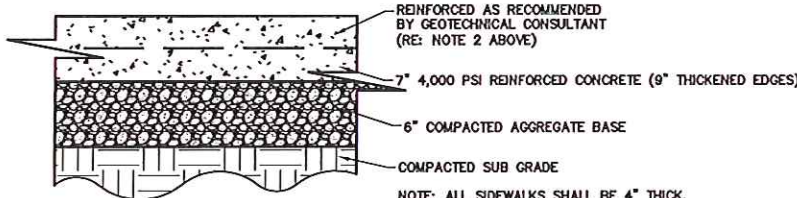
STANDARD DUTY ASPHALT DETAIL
NOT TO SCALE



HEAVY DUTY ASPHALT DETAIL
NOT TO SCALE

* PAVEMENT WITHIN ODOT RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH ODOT 2016 CMS C&MS AND SHALL MEET OR EXCEED THE FOLLOWING:

- ASPHALT WEARING COURSE SHALL BE ITEM 441 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG 84-22
- ASPHALT BINDER COURSE SHALL BE ITEM 441 - ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)
- COMPACTED AGGREGATE BASE SHALL BE ITEM 304 - AGGREGATE BASE

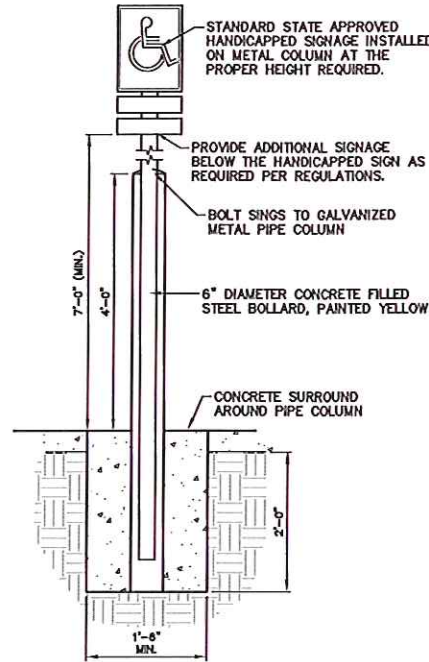


HEAVY DUTY CONCRETE DETAIL
NOT TO SCALE

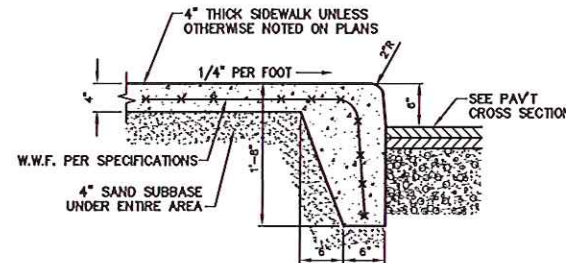
LEGEND

720	PROPOSED CONTOUR HIGHLIGHTED	720	EXISTING CONTOUR HIGHLIGHTED
719	PROPOSED CONTOUR NORMAL	719	EXISTING CONTOUR NORMAL
SA	PROPOSED SANITARY SEWER	SA	EXISTING SANITARY SEWER
ST	PROPOSED STORM SEWER	ST	EXISTING STORM SEWER
CE	PROPOSED CATV	CE	EXISTING CATV
OE	PROP ELEC (OVERHEAD)	OE	EXIST ELEC (OVERHEAD)
UE	PROP ELEC (UNDERGROUND)	UE	EXIST ELEC (UNDERGROUND)
FE	PROPOSED FIBEROPTICS	FE	EXISTING FIBEROPTICS
GL	PROPOSED GAS LINE	GL	EXISTING GAS LINE
TL	PROPOSED TELEPHONE LINE	TL	EXISTING TELEPHONE LINE
WM	PROPOSED WATER MAIN	WM	EXISTING WATER MAIN
TR	PROPOSED TREELINE	TR	EXISTING TREELINE
F	PROPOSED FENCE	F	EXISTING FENCE
CB	CURB CATCH BASIN	CB	GAS METER
SB	SQUARE CATCH BASIN	TM	TELEPHONE MANHOLE
RB	ROUND CATCH BASIN	TP	TELEPHONE PEDESTAL
MS	MANHOLE STORM	TP	TELEPHONE POLE
MS	MANHOLE SANITARY	SG	PROPOSED SPOT GRADE
SC	SANITARY CLEANOUT	SG	EXISTING SPOT GRADE
FD	FIRE HYDRANT	BM	BENCH MARK
WV	WATER VALVE	PB	POST/BOLLARD
WV	WATER VALVE IN VAULT	S	SIGN
WM	WATER METER	MB	MAILBOX
WR	WATER REDUCER	SB	SOIL BORING
LP	LIGHT POLE	MW	MONITOR WELL
PP	POWER POLE		
GW	GUY WIRE		
EM	ELECTRIC MANHOLE		
EM	ELECTRIC METER		

NOTE: ALL SYMBOLS IN THIS LEGEND ARE SHOWN AS EXISTING. PROPOSED SYMBOLS WILL USE THE CORRESPONDING SYMBOL WITH A THICKER LINE.



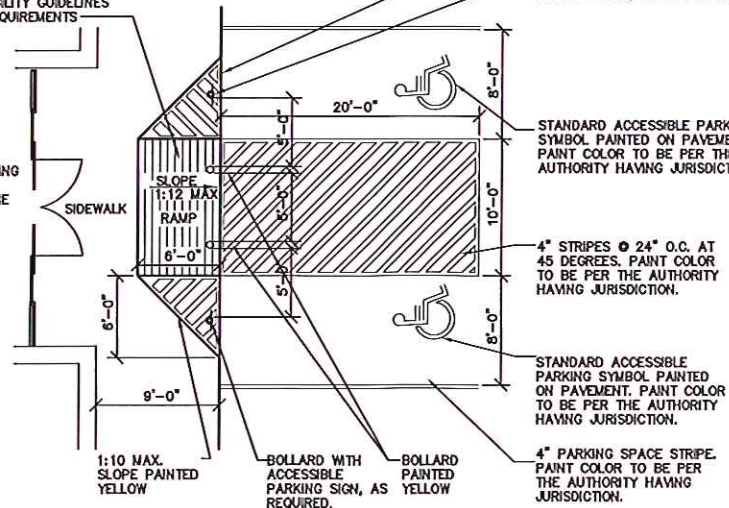
HANDICAP PARKING SIGN DETAIL
NOT TO SCALE



INTEGRAL SIDEWALK/CURB
NOT TO SCALE

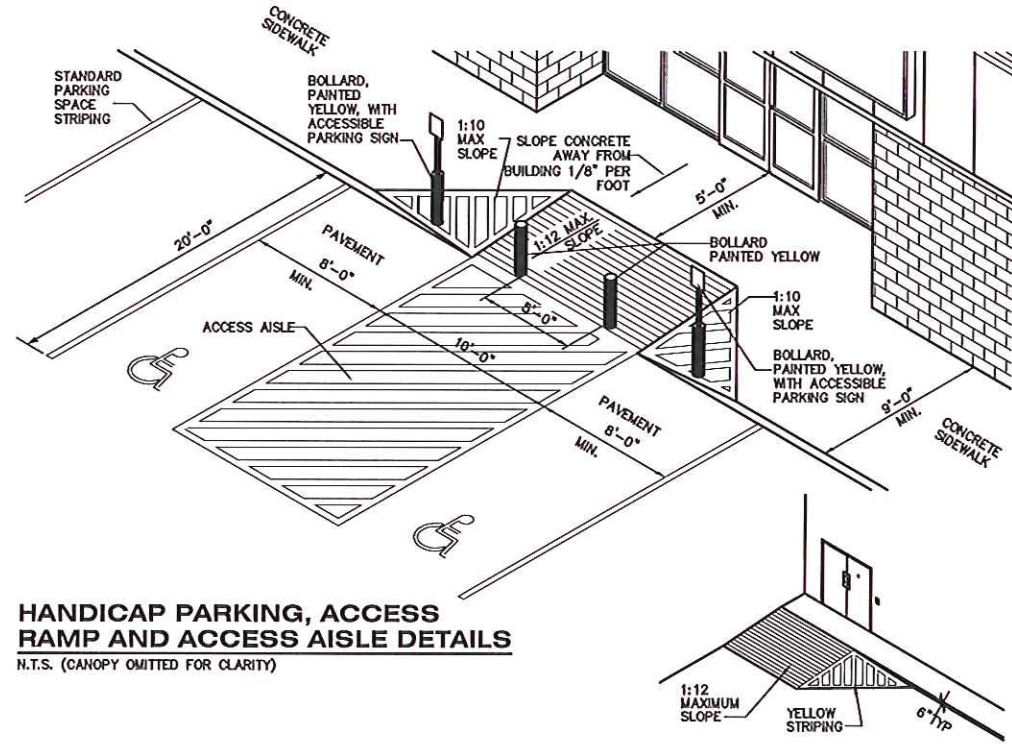
COLOR TO MATCH/RESISTANT SURFACING AND/OR TACTILE WARNING DEVICE AS REQUIRED BY AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES AND CODE REQUIREMENTS

ACCESSIBLE/ SHOPPING CART RAMP TO BE CENTERED ABOUT THE FRONT DOOR.



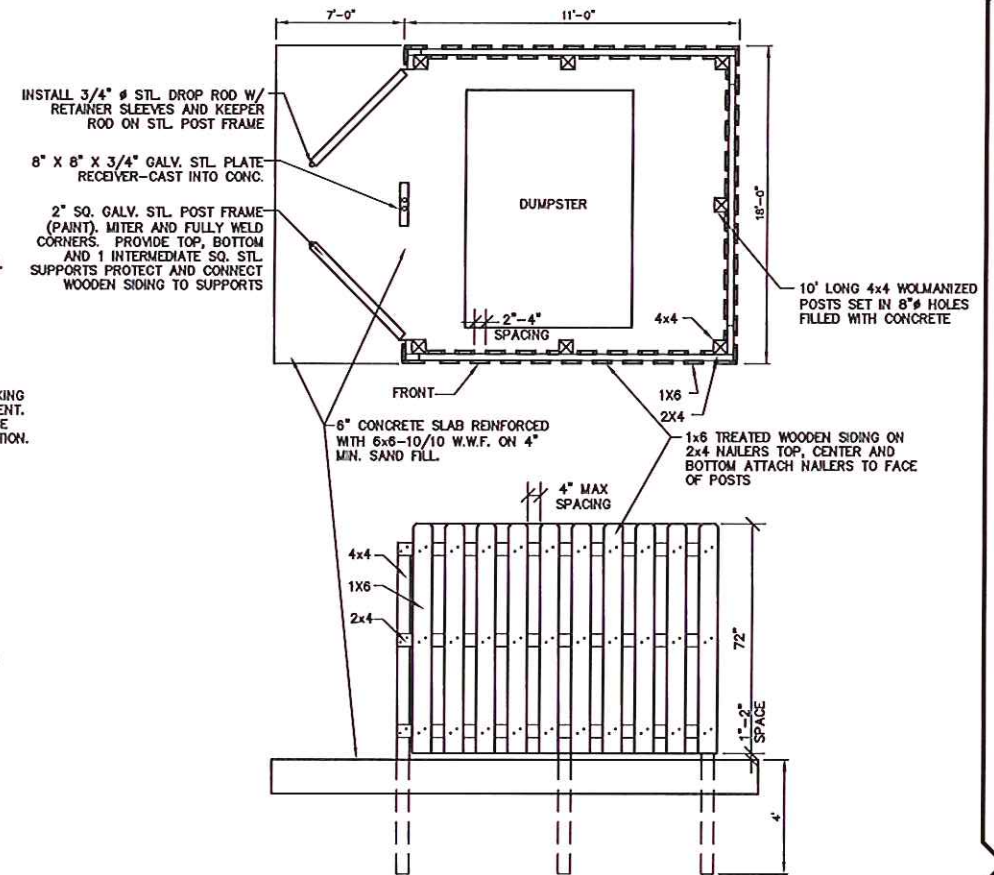
NOTE: ALL ACCESSIBLE RAMPS AND ACCESS AISLES SHALL MEET ALL CODES AND ADAAG REGULATIONS.

HANDICAP PARKING DETAIL
NO SCALE



HANDICAP PARKING, ACCESS RAMP AND ACCESS AISLE DETAILS
N.T.S. (CANOPY OMITTED FOR CLARITY)

DELIVERY ACCESS RAMP
NOT TO SCALE



DUMPSTER SCREEN
NOT TO SCALE

SITE DETAILS
GROVE CITY, OH (HARRISBURG PIKE) DOLLAR GENERAL
CAPITAL GROWTH - BUCHALTER

Sheet Title:
Project:
Client:

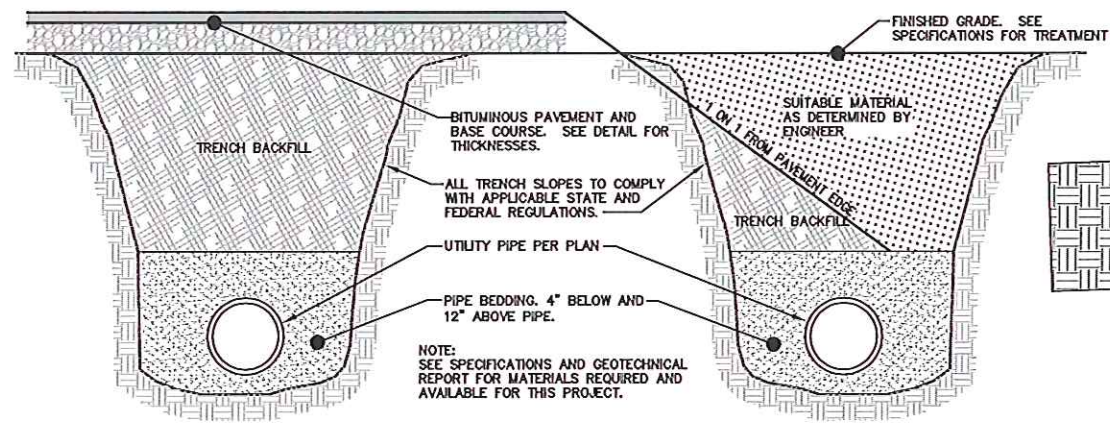
5/18/16
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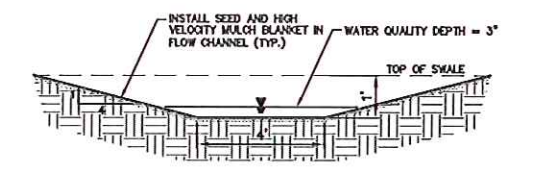
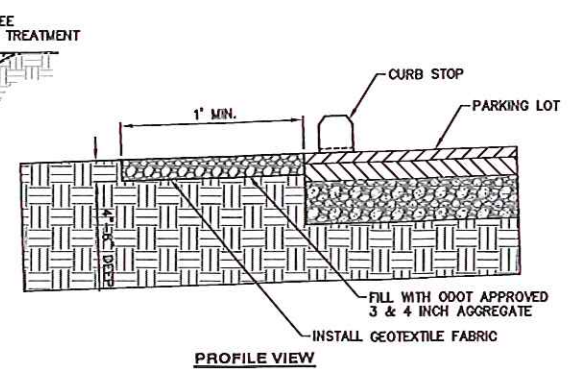


Job No: 15-001P P.L.: JWP Drt: ALC QA/QC: 5/18/16
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4 ENGINEERING REVIEW 2/25/16
5 ENGINEERING REVIEW RESUBMITTAL 5/5/16
6 ODOT RESUBMITTAL 5/18/16
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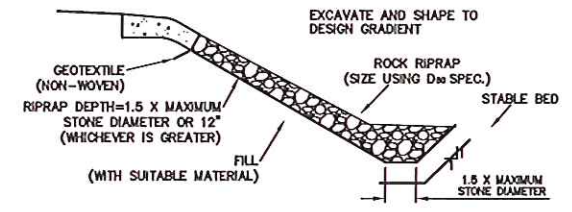
UNDER PAVED AREA



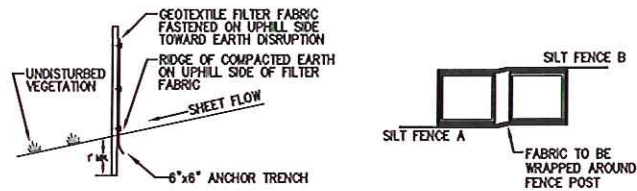
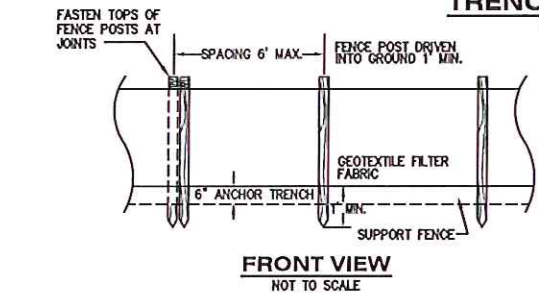
NOT UNDER PAVED AREA



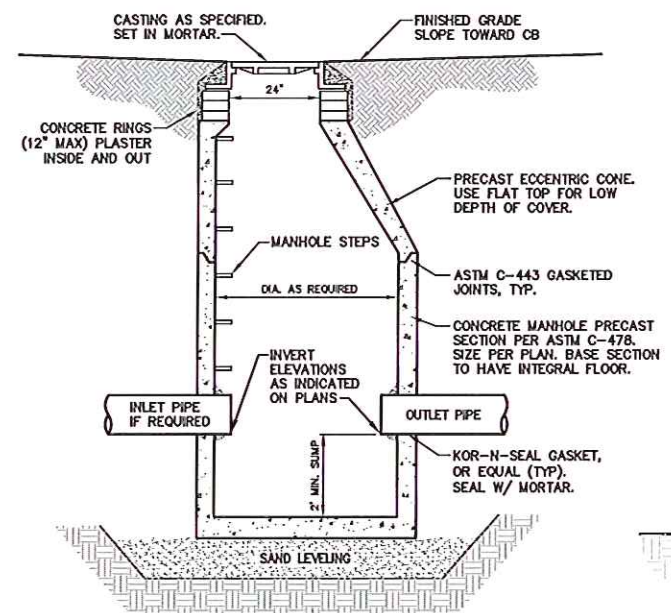
VEGETATED WATER QUALITY SWALE
NOT TO SCALE



TRENCH DETAILS
NO SCALE

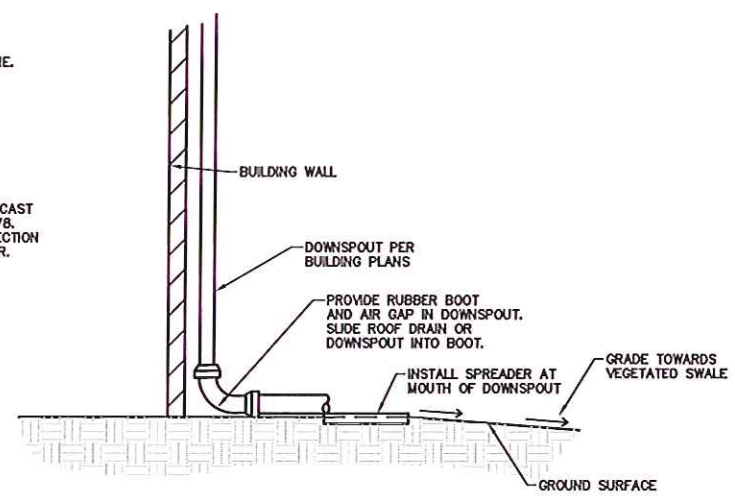


SILT FENCE DETAILS
NOT TO SCALE

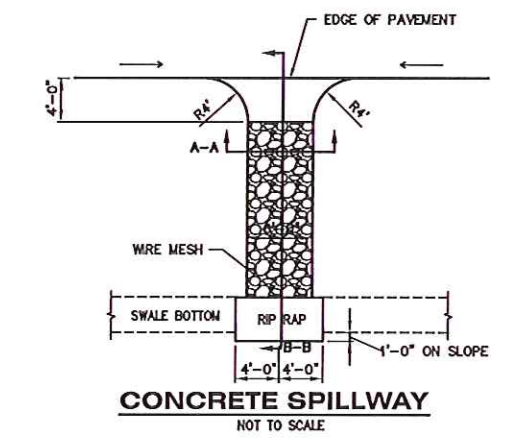
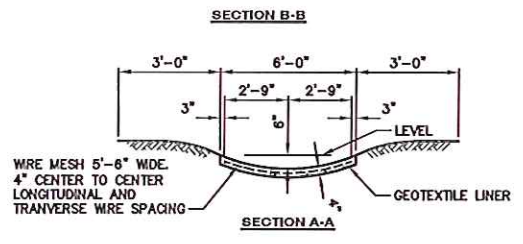


CATCH BASIN DETAIL
NO SCALE

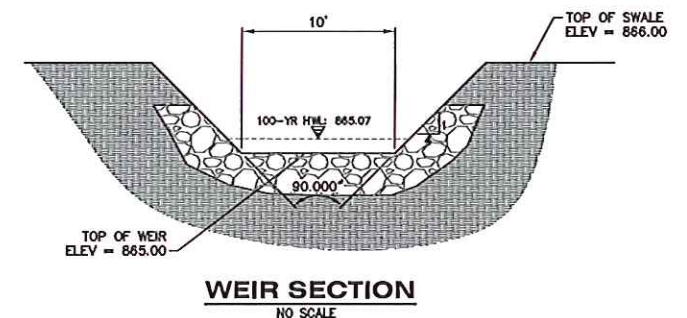
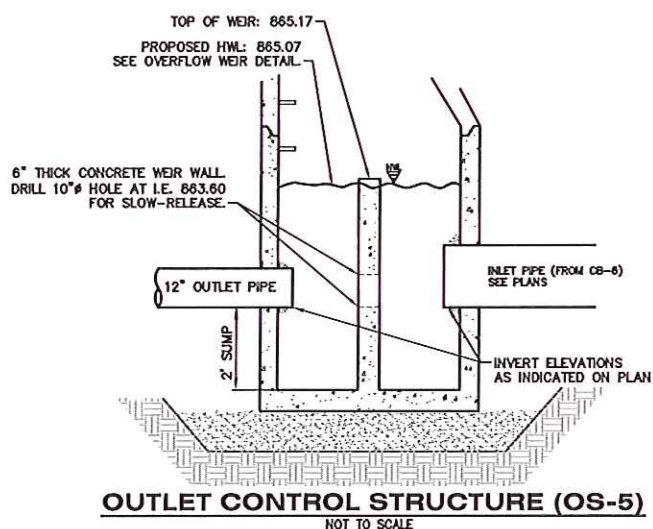
GRAVEL VERGE DETAIL
NOT TO SCALE



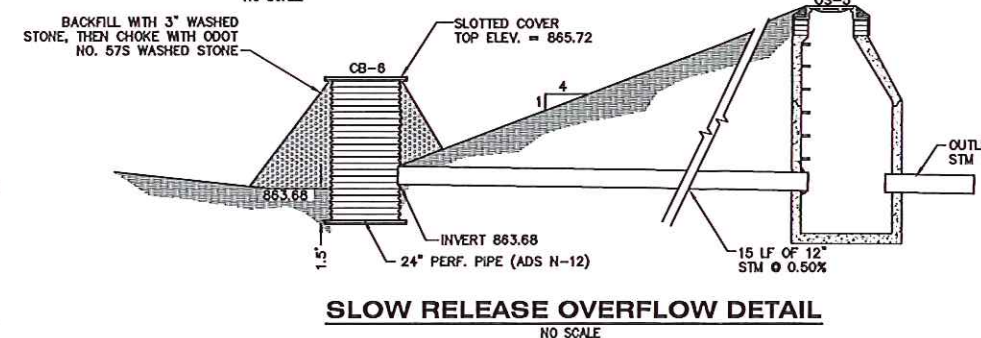
ROOF LEAD/ DOWNSPOUT DETAIL
NO SCALE



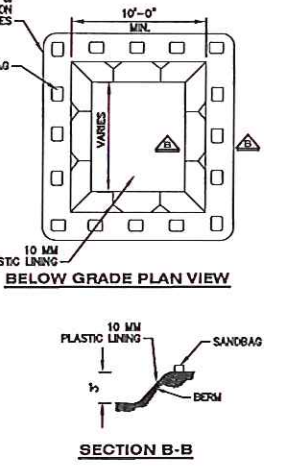
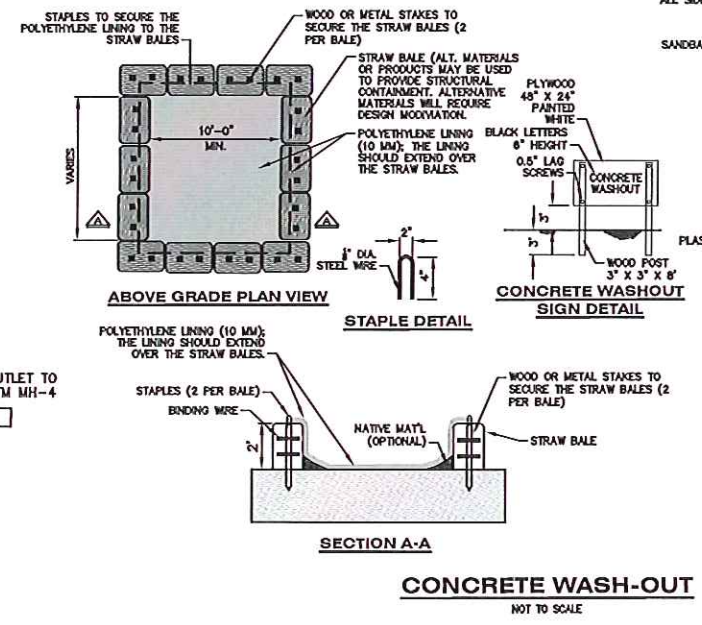
CONCRETE SPILLWAY
NOT TO SCALE



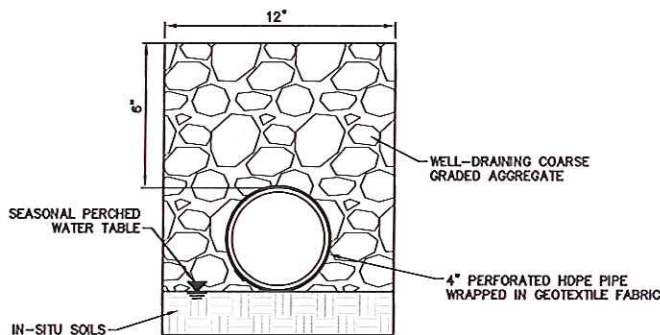
WEIR SECTION
NO SCALE



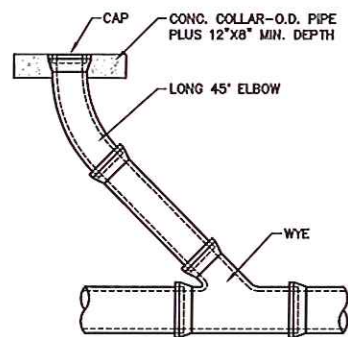
SLOW RELEASE OVERFLOW DETAIL
NO SCALE



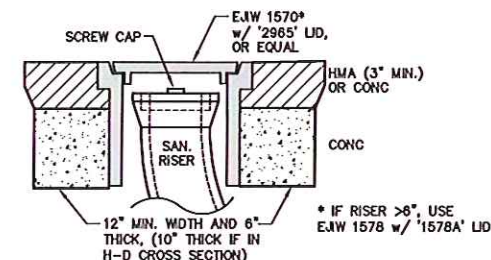
NOTES:
 1. ACTUAL LAYOUT DETERMINED IN FIELD.
 2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FT OF TEMPORARY CONCRETE WASHOUT FACILITY



SUBSURFACE DRAIN DETAIL
NO SCALE

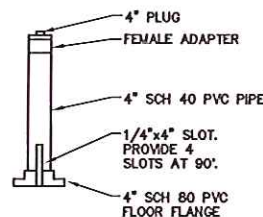


SANITARY CLEANOUT DETAIL
NO SCALE



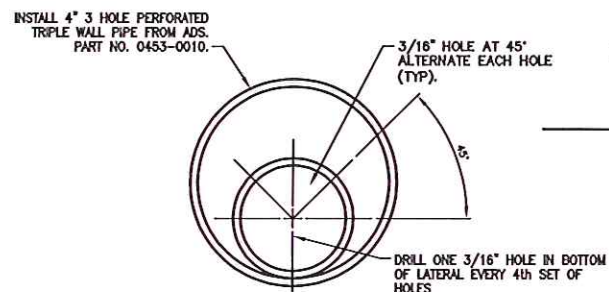
CLEANOUT IN PAVEMENT/CONC AREA
NO SCALE

- NOTES**
1. ALL SEPTIC AND MOUND DISTRIBUTION SYSTEM COMPONENTS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FRANKLIN COUNTY HEALTH DEPARTMENT AND THE PERMITS ISSUED FOR THIS SYSTEM.
 2. SAND FILL SHALL HAVE AN EFFECTIVE SIZE BETWEEN 0.20mm TO 0.35mm, A UNIFORMITY COEFFICIENT OF 5.0 OR LESS WITH NOT MORE THAN 5% PASSING THE NO. 200 SIEVE. MATERIAL SHALL BE VERIFIED BY AN APPROVED TESTING LABORATORY AT THE CONTRACTORS EXPENSE. PROVIDE DOCUMENTATION TO OWNER AND THE FRANKLIN COUNTY HEALTH DEPARTMENT.
 3. CONTRACTOR SHALL PERFORM SYSTEM START-UP AND PUMP TESTS TO DOCUMENT PROPER PERFORMANCE PRIOR TO TURNOVER TO OWNER. PROVIDE DOCUMENTATION TO OWNER AND THE FRANKLIN COUNTY HEALTH DEPARTMENT.

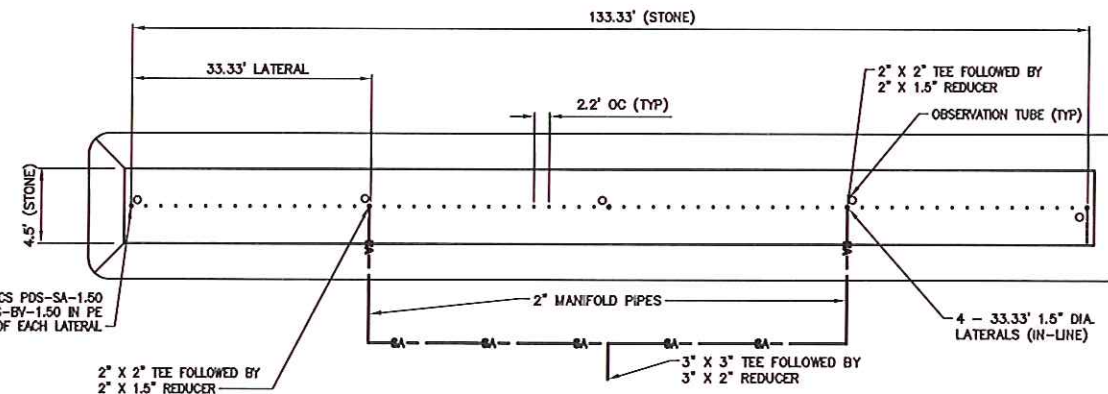


- NOTES:**
1. BASE OF FLANGE IS TO BE INSTALLED AT AGGREGATE/SAND INTERFACE.
 2. 4" PVC PIPE TO EXTEND TO OR ABOVE GROUND SURFACE.

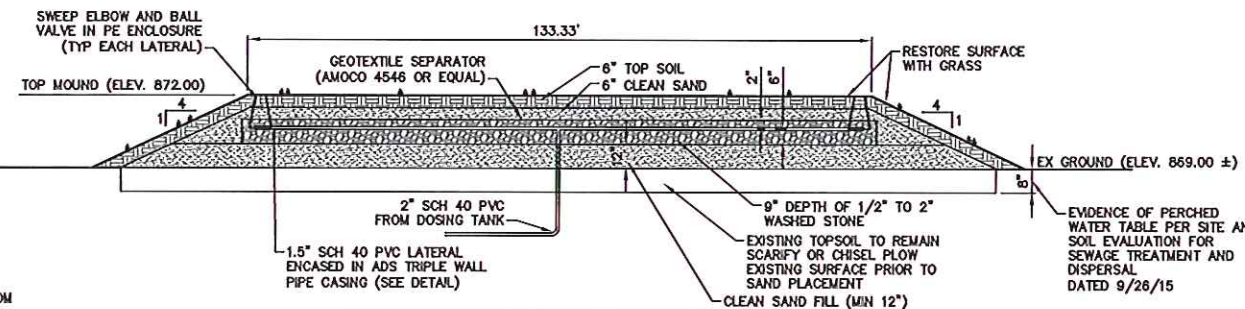
OBSERVATION TUBE DETAIL
NO SCALE



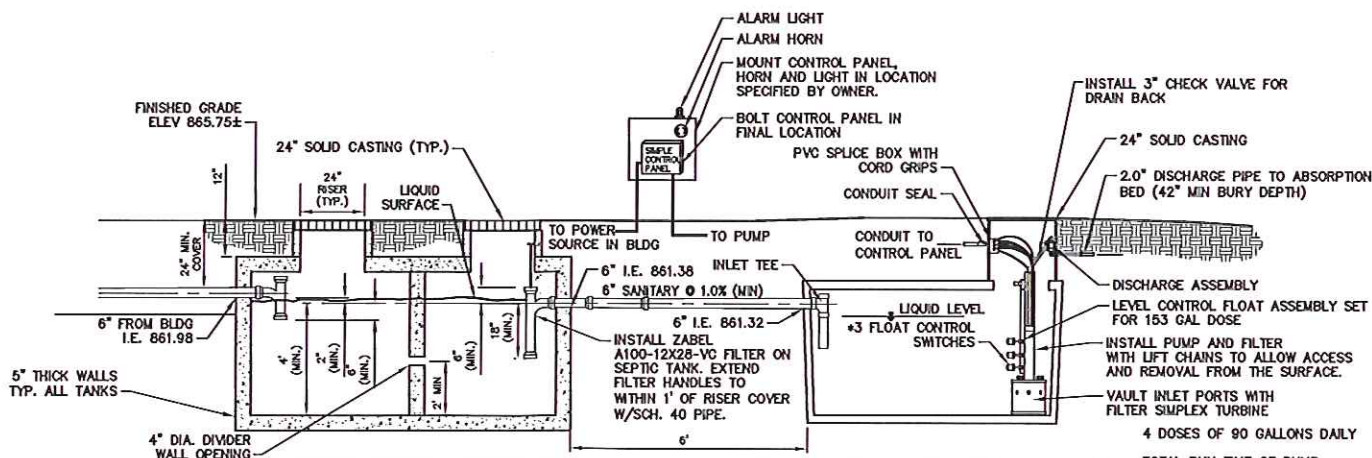
PIPE CASING DETAIL
NO SCALE



MOUND DISTRIBUTION PIPE DETAIL
NO SCALE



SAND MOUND AND PRESSURE DISTRIBUTION DETAIL
NO SCALE



1,500 GAL SEPTIC TANK DETAIL
NO SCALE

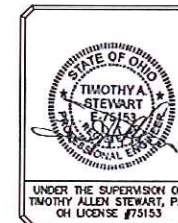
850 GAL DOSING TANK DETAIL
NO SCALE

- NOTE:**
1. ALL TANK JOINTS SHALL BE TONGUE AND GROOVE AND BE SEALED WITH FOUNDATION COATING MASTIC TO RENDER THEM WATER TIGHT.
 2. SEAL ALL TANK PENETRATIONS AIR & WATER TIGHT BY THE USE OF RESILIENT CONNECTORS.

DOSING PUMP PARAMETERS:

BARNES SERIES SGV RECESSED VORTEX PUMPS OR APPROVED EQUAL
SGV3072L SUBMERSIBLE GRINDER PUMP
94 GPM, 3 HP, 240 V, 1ø
DESIGN FLOW RATE = 48.80 GPM
TOTAL DYNAMIC HEAD = 20.44 FT
IMPELLER DIAMETER = 4.12 INCHES

TOTAL RUN TIME OF PUMP:
- 3 MIN 23 SEC EVERY 2 HOURS
SYSTEM FLOW RATE: 48.80 GALLONS/MINUTE
VOID VOLUME OF PRESSURE LINES: 97.38 GALLONS



UTILITY DETAILS
GROVE CITY, OH (HARRISBURG PIKE) DOLLAR GENERAL
CAPITAL GROWTH - BUCHALTER

Sheet Title:
Project: GROVE CITY, OH (HARRISBURG PIKE) DOLLAR GENERAL
Client: CAPITAL GROWTH - BUCHALTER

5/18/18
Sheet

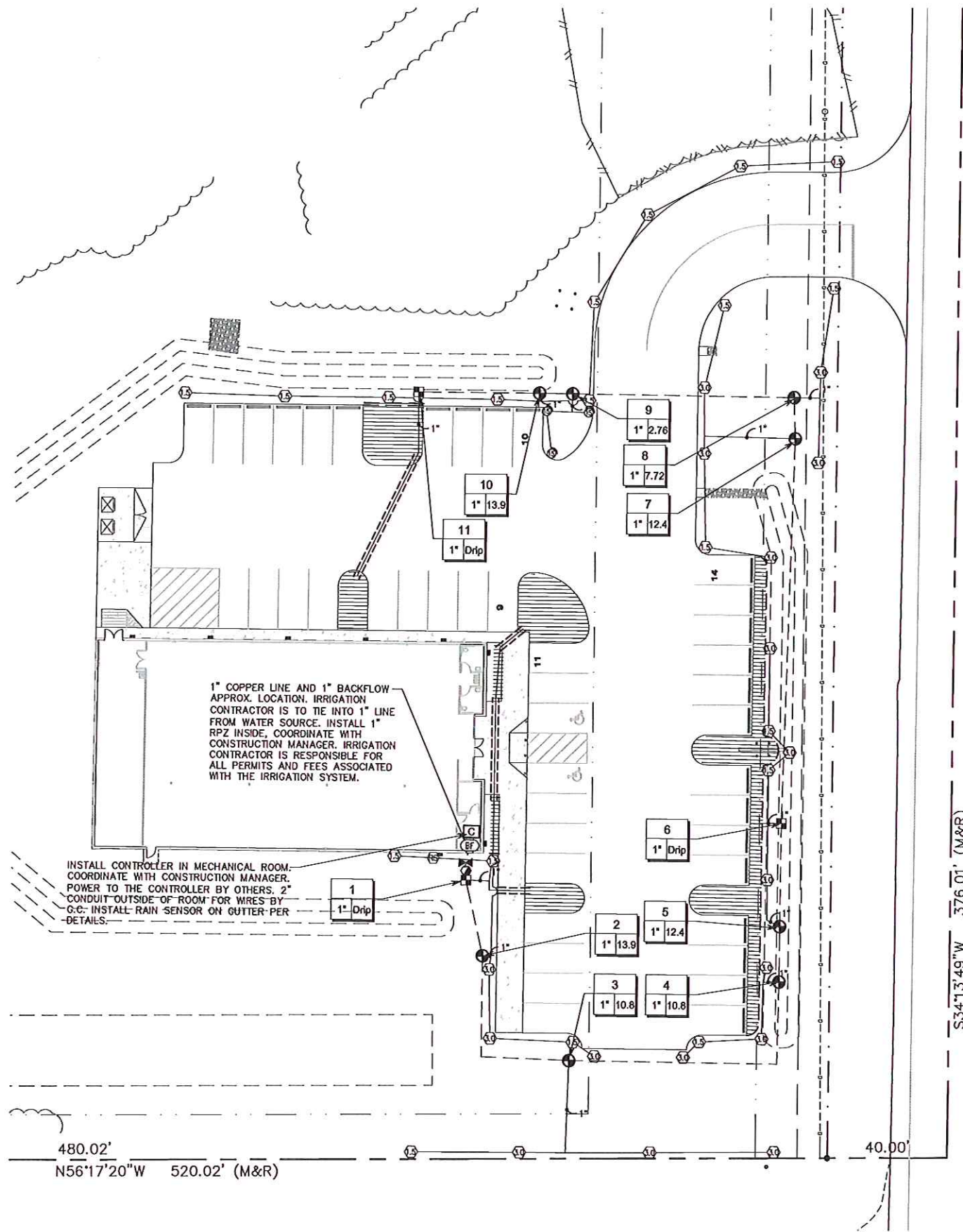
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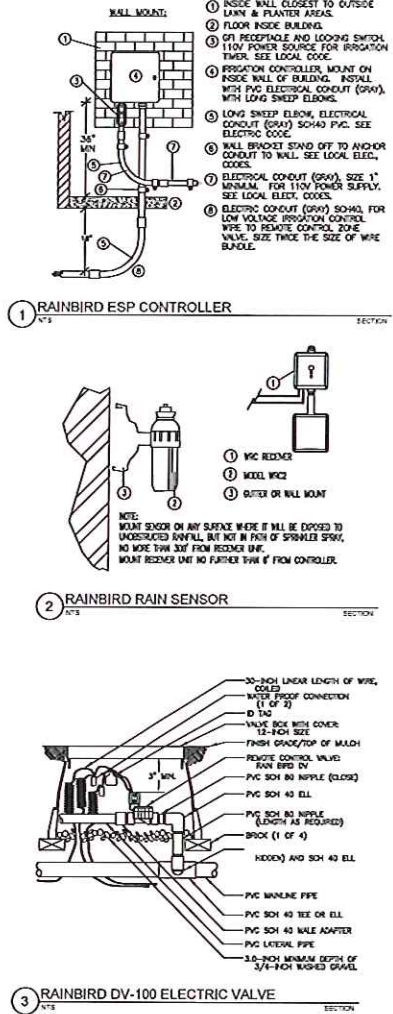
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DATE: 05/18/16
PROJECT: CAPITAL GROWTH - BUCHALTER
DRAWING NO: 16-001P
SCALE: AS SHOWN
DESIGNED BY: J. HURLEY
CHECKED BY: J. HURLEY
DATE: 05/18/16



- IRRIGATION NOTES:**
1. ALL LANDSCAPE AREAS AND LAWNS ADJACENT TO PAVED AREAS AND/OR STREETS ARE TO BE FULLY IRRIGATED.
 2. IRRIGATION SYSTEM TO INCLUDE ALL SPRAY HEADS, VALVES AND CONTROLLERS.
 3. A SEPARATE METER AND BACKFLOW PREVENTER WILL BE REQUIRED.
 4. LOCATE HEADS A MINIMUM OF 2'-0" FROM EDGE OF PAVEMENT/ CURB.

IRRIGATION SCHEDULE	
SYMBOL	MANUFACTURER/MODEL
	Rain Bird 1804 15 Series MPR
	Rain Bird 5004-PC, FC
	Rain Bird 5004-PC, FC
	Rain Bird XCZ-100-PRF
	Area to Receive Drip line Rain Bird XFD-05-18 (22)
	Rain Bird DVF
	Rain Bird S-RC
	Niboo T-113
	Wilkins 975XL 1"
	Rain Bird ESP4MEI with (3) ESP-SM3
	Rain Bird WR2-RC
	Irrigation Lateral Line: PVC Class 200 SDR 21
	Irrigation Mainline: PVC Class 200 SDR 21
	Pipe Sleeve: PVC Schedule 40
	Valve Callout
	Valve Number
	Valve Flow
	Valve Size



GENERAL IRRIGATION SPECIFICATIONS

1. The irrigation system is diagrammatic based upon the information provided by the owner or the owner's representative. The successful contractor is responsible to install a system that will properly cover all areas indicated on the design. Actual layout of piping, sprinkler heads, valves, controllers and other related equipment shall be determined on site. Minor field changes shall be made at no additional cost to the owner.
- It is the responsibility of the irrigation contractor to be familiar with all grade differences, locations of walls, structures and utilities and make the necessary adjustments to accommodate the irrigation system as shown on the drawings. There may be times when it is obvious in the field that unknown obstructions, grades or dimensions that exist might not have been considered in the engineering, such obstructions should be brought to the attention of the owner's authorized representative. In the event that this notification is not performed, the irrigation contractor shall assume full responsibility for any revisions and costs that occur.
2. This system shall be installed using accepted and quality installation standards as used in the industry. All manufacturers specifications will be followed.
3. Mainline shall be buried a minimum of 12" of cover and a maximum of 18" of cover. Lateral line piping a minimum of 12" of cover. All backfill surrounding the pipe shall be cleaned of materials larger than 1" in size. Backfill shall be added in 6" increments and mechanically tamped.
4. There will be no substitutions or changes to the irrigation design allowed without direct, written approval from the Irrigation Consultant. For information, contact Wolf Creek Company, Inc.
5. System design is based on pressure and flow information provided by others, static pressure was given as 70 psi and the size of the P.O.C. is as indicated on the drawing. The irrigation contractor shall verify water pressures prior to construction. Report differences between requirements and the actual readings to the owner's representative. A booster pump may be necessary if the required pressure is not available. Additional costs shall be submitted to the owner as a change order.
6. Piping shown in paved area without sleeve is diagrammatic and shall be located inside of the planted area or turf area approximately 1' from any hardscape.
7. All valves shall be placed in valve boxes as shown in the details and all electrical connections shall be sealed with waterproof connectors. Control wire shall be solid copper wire U.L. approved for direct burial in the ground. See details.
8. Controller, rain sensor, meter, tap and backflow locations are as shown on the plan or as stated in the details and legend. All information is to be verified prior to any installation of the project.
9. The Irrigation Contractor is responsible for all clean up associated with his work.
10. Irrigation contractor shall all provide the first winterization, spring turn on, head adjustments and controller maintenance in bid.
11. Well to provide 16 gpm/70 psi

WC³ DESIGN
Irrigation Design & Consulting
www.wc3design.com
Tel: (844) 291-7042
Columbus, OH • Louisville, KY
Pittsburgh, PA

811 Know what's below.
Call before you dig.
ALL UTILITIES AS SHOWN ARE APPROXIMATE LOCATIONS DERIVED FROM ACTUAL MEASUREMENTS AND AVAILABLE RECORDS. THEY SHOULD NOT BE INTERPRETED TO BE EXACT LOCATION NOR SHOULD IT BE ASSUMED THAT THEY ARE THE ONLY UTILITIES IN THE AREA.
FIELD WORK PERFORMED BY:
LANDTECH PROFESSIONAL SURVEYING

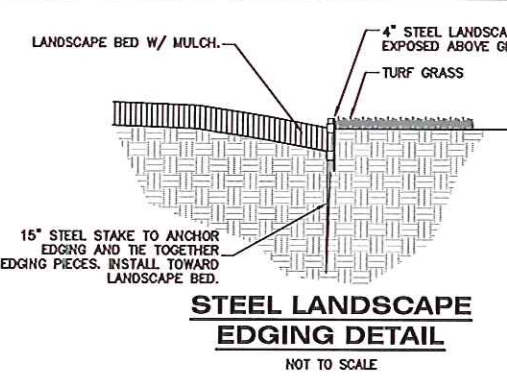
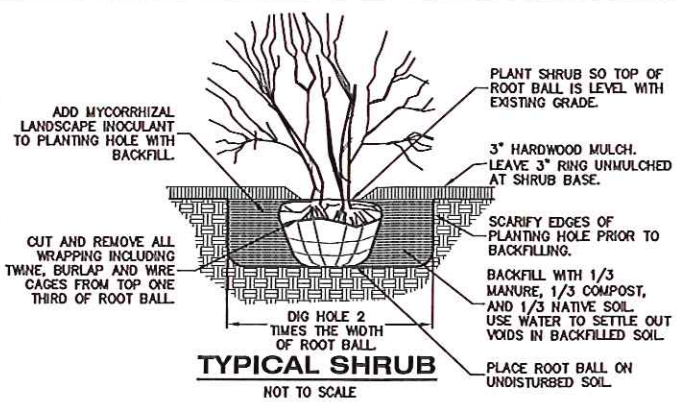
IRRIGATION PLAN
GROVE CITY, OH (HARRISBURG PIKE) DOLLAR GENERAL
CAPITAL GROWTH - BUCHALTER

Sheet Title: IRRIGATION PLAN
Project: GROVE CITY, OH (HARRISBURG PIKE) DOLLAR GENERAL
Client: CAPITAL GROWTH - BUCHALTER
Job No: 15-001P P.M.: JHP Dkt: A/C CA/QC: 5/18/16
ISSUED FOR REVISIONS:
3 PRELIMINARY ENGINEERING/SEPTIC REVIEW 1/7/16
4 ENGINEERING REVIEW 2/25/16
5 ENGINEERING REVIEW RESUBMITTAL 5/15/16
6 CDDT RESUBMITTAL 5/18/16
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DATE: 04/18/16
PROJECT: LANDSCAPE PLAN
DRAWN BY: J. BURLEY
CHECKED BY: J. BURLEY
DATE: 04/18/16

Planting Schedule Trees				
Symbol	Latin Name	Common Name	Size	Container Type
Ac	Abies concolor	White Fir	6" Ht.	B&B
Af	Acer x freemanii 'Autumn Blaze'	Autumn Blaze Maple	1" Col.	B&B
Bs	Buxus sempervirens 'Green Mountain'	Green Mountain Boxwood	30" Ht.	B&B or Cont.
Ca	Clethra alnifolia 'Sixteen Candles'	Sixteen Candles Summersweet	30" Ht.	Cont.
Gt	Gleditsia triacanthos inermis 'Suncole'	Sunburst Honeylocust	2 1/2" Col.	B&B
Js	Juniperus sabinia 'Broadmoor'	Broadmoor Juniper	24" spread	Cont.
Mp	Malus 'Purple Prince'	Purple Prince Crab	1" Col.	B&B
Ra	Rhus aromatica 'Gro-Low'	Gro-Low Fragrant Sumac	30" Spr.	Cont.
Tm	Taxus x media 'Densiformis'	Dense Spreading Yew	24" spread	B&B or Cont.
Zs	Zelkova serrata 'Green Vase'	Green Vase Zelkova	2" Col.	B&B



NOTE: STAKING OF BALL AND BURLAP TREES REQUIRED AT THE DISCRETION OF THE CONTRACTOR. CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF ALL STAKING AT END OF ONE YEAR WARRANTY PERIOD.

NATIVE SEED ESTABLISHMENT NOTES:

1. NATIVE SEED TO BE SEED FROM OCTOBER 1 - NOVEMBER 15 OR MAY 1 - JUNE 15.
2. NATIVE GRASSES AVAILABLE FROM CARNO JF NEW PH: (574)588-2412
3. TWO WEEKS PRIOR TO PRAIRIE PLANTING APPLY BROAD SPECTRUM HERBICIDE TO EXISTING TURF IN AREAS TO BE PLANTED WITH NATIVE SEED. REPEAT TREATMENT FOUR TO FIVE DAYS PRIOR TO PLANTING.
4. ENSURE 6" QUALITY TOPSOIL, TILL AREAS NOT ALREADY PLANTED WITH GRASS (AREAS WHERE PAVEMENT IS BEING REMOVED ONLY) TO 2"-4" DEPTH. IF THE GROUND IS WET, DELAY TILLING UNTIL THE SOIL DRIES ENOUGH TO BREAK APART WHEN TILLED. LIGHTLY COMPACT THE TILLED SOIL WITH A ROLLER OR CULTIPACKER.
5. PLANT NATIVE SEEDS WITH A NO-TILL SEED DRILL FOLLOWING MANUFACTURERS RECOMMENDATIONS. DO NOT COVER SEED MORE THAN 1/4" DEEP. MULCH AREAS PRONE TO EROSION WITH 1" OF CRIMPED STRAW.

JACKSON TWP PLANTING REQUIREMENTS

- 20 SF FOUNDATION PLANTING/1,000 SF OF BUILDING GROUND COVER
- 182 SF REQUIRED 198 SF PROVIDED
- 1" TREE CALIPER/1,000 SF OF BUILDING GROUND COVER = 9" OF TREE CALIPER
- 1- 2" TREE/6 PARKING SPACES = 8 - 2" CAL TREES
- 10 SF OF INTERIOR LANDSCAPING / 1,000 SF PARKING
- 202 SF REQUIRED 1,599 SF PROVIDED
- 50 SF OF LANDSCAPE AT SIGN - 79 SF PROVIDED
- 4" HIGH AT MATURITY HEDGE BETWEEN PARKING AND ROAD

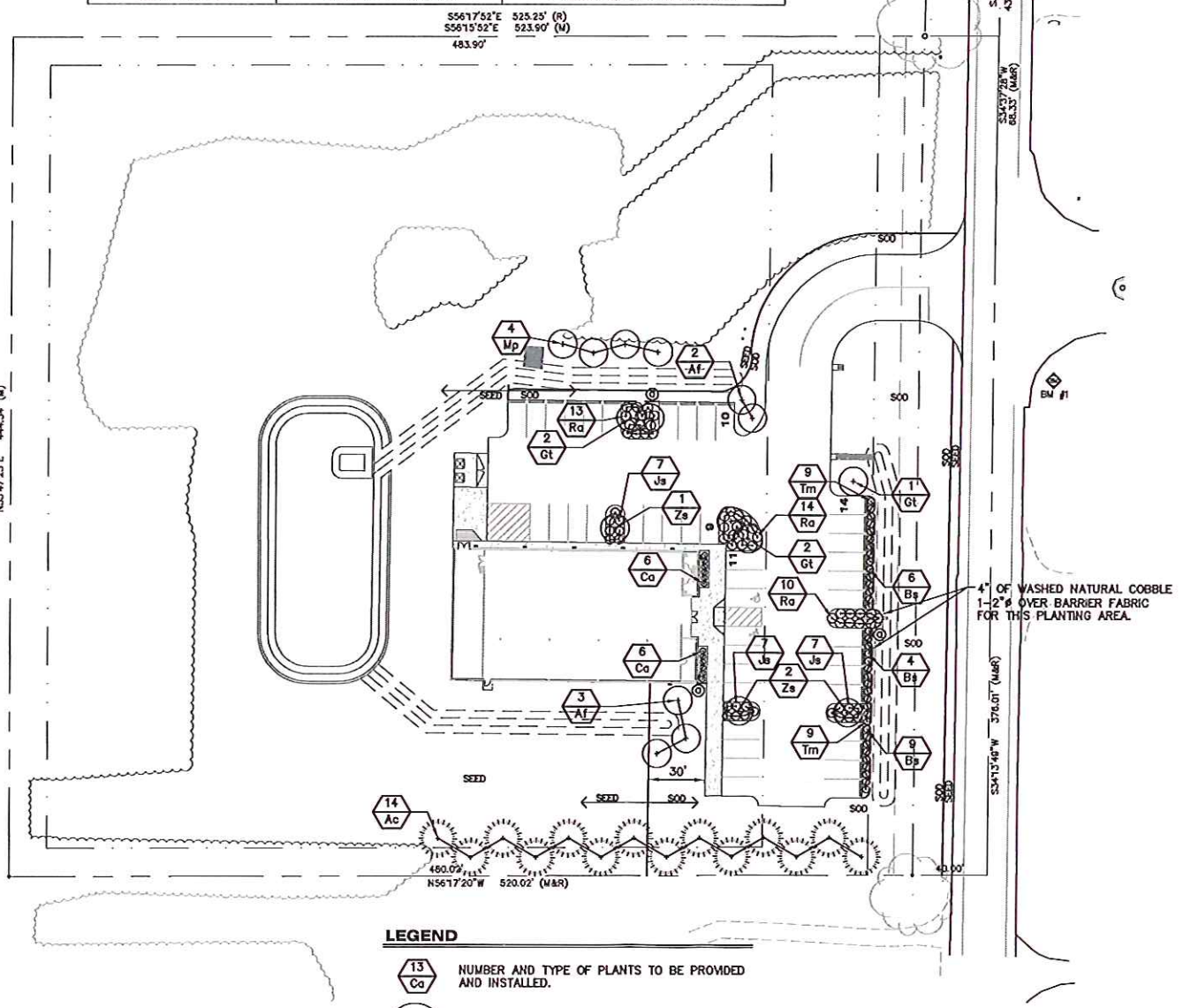
LANDSCAPE NOTES:

1. TILL ALL LANDSCAPE AREAS TO A DEPTH OF 4" MINIMUM.
2. ALL LAWN AREAS LABELED 'SEED' SHALL BE SEED AND MULCHED WITH THE FOLLOWING MIXTURE: 15% IMPROVED PERENNIAL RYEGRASS, 30% FINE FESCUE, 30% KENTUCKY BLUEGRASS, AND 25% ANNUAL RYE AT A RATE OF 8-10 LBS/1000 SFT. PROVIDE 19-19-19 STARTER FERTILIZER AT A RATE OF 5-7 LBS/1000 SFT.
3. AREAS LABELED 'SOO' TO BE PLANTED WITH UPLAND MINERAL SOIL GROWN BLUEGRASS SOO. SOO TO HAVE BEEN HARVESTED WITHIN 24 HOURS OF PLANTING. ENSURE A SOURCE OF WATER BEFORE SCHEDULING SOO PLANTING. PREPARE SOO TO RECEIVE SOO WITH A 19-19-19 STARTER FERTILIZER AT A RATE OF 5-7 LBS/1000 SFT.
4. ALL EDGING SHALL BE STANDARD COMMERCIAL-STEEL EDGING 3/4" X 4". ROLLED EDGE, FABRICATED IN SECTIONS OF STANDARD LENGTHS, WITH LOOPS STAMPED FROM OR WELDED TO FACE OF SECTIONS TO RECEIVE STAKES IN STANDARD FINISH OF GREEN PAINT.
5. PROVIDE QUALITY, SIZE, GENUS, SPECIES, AND VARIETY OF EXTERIOR PLANTS INDICATED, COMPLYING WITH APPLICABLE REQUIREMENTS IN ANSI Z60.1 "AMERICAN STANDARD FOR NURSERY STOCK." MEASURE ACCORDING TO ANSI Z60.1 STANDARDS.
6. ALL PLANTINGS SHALL BE THOROUGHLY WATERED BY THE LANDSCAPE CONTRACTOR AT THE TIME OF PLANTINGS.
7. WARRANT TREES, SHRUBS AND PERENNIALS FOR ONE YEAR FROM DATE OF SUBSTANTIAL COMPLETION AGAINST DEFECTS INCLUDING DEATH AND UNSATISFACTORY GROWTH, EXCEPT FOR DEFECTS RESULTING FROM INCIDENTS THAT ARE BEYOND CONTRACTOR'S CONTROL.
8. REMOVE AND REPLACE DEAD PLANTS IMMEDIATELY. REPLACE PLANTS THAT ARE MORE THAN 25% DEAD OR IN AN UNHEALTHY CONDITION AT END OF WARRANTY PERIOD. A LIMIT OF ONE REPLACEMENT OF EACH PLANT WILL BE REQUIRED, EXCEPT FOR LOSSES OR REPLACEMENTS DUE TO FAILURE TO COMPLY WITH REQUIREMENTS.
9. MAINTAIN TREES, SHRUBS, AND PERENNIALS FOR ONE YEAR FROM DATE OF SUBSTANTIAL COMPLETION BY PRUNING, CULTIVATING, WATERING, WEEDING, FERTILIZING, RESTORING PLANTING SAUCERS, TIGHTENING AND REPAIRING STAKES AND GUY SUPPORTS, AND RESETTling TO PROPER GRADES OR VERTICAL POSITION, AS REQUIRED TO ESTABLISH HEALTHY Viable PLANTINGS. SPRAY AS REQUIRED TO KEEP TREES AND SHRUBS FREE OF INSECTS AND DISEASE.
10. BEGIN LAWN MAINTENANCE IMMEDIATELY AFTER EACH AREA IS PLANTED AND CONTINUE UNTIL ACCEPTABLE LAWN IS ESTABLISHED: A MINIMUM OF 60 DAYS AFTER SUBSTANTIAL COMPLETION.
11. MAINTAIN AND ESTABLISH LAWN BY WATERING, FERTILIZING, WEEDING, USING CHEMICAL TREATMENT TO ELIMINATE BROADLEAF AND NOXIOUS WEEDS, MOWING, TRIMMING, REPLANTING, AND OTHER OPERATIONS. ROLL, REGRADE, AND REPLANT BARE OR ERODED AREAS AND REMULCH TO PRODUCE A UNIFORMLY SMOOTH LAWN.
12. PROTECT ADJACENT AND ADJOINING STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS, AND PLANTINGS FROM HYDROSEEDING OVER-SPRAY AND DAMAGE CAUSED BY PLANTING OPERATIONS.
13. REMOVE STONES LARGER THAN 1" IN ANY DIMENSION AND REMOVE STICKS, ROOTS, RUBBISH, AND OTHER EXTRANEOUS MATTER FROM SITE.
14. MAINTAIN LAWN UNTIL A HEALTHY, UNIFORM, CLOSE STAND OF GRASS HAS BEEN ESTABLISHED, FREE OF WEEDS AND SURFACE IRREGULARITIES, WITH COVERAGE EXCEEDING 90% OVER ANY 10 SOFT AND BARE SPOTS DO NOT EXCEED 5 BY 5 INCHES.

IRRIGATION NOTES:

1. ALL LANDSCAPE AREAS AND LAWNS ADJACENT TO PAVED AREAS AND/OR STREETS ARE TO BE FULLY IRRIGATED.
2. IRRIGATION SYSTEM TO INCLUDE ALL SPRAY HEADS, VALVES AND CONTROLLERS.
3. A SEPARATE METER AND BACKFLOW PREVENTER WILL BE REQUIRED.
4. LOCATE HEADS A MINIMUM OF 2'-0" FROM EDGE OF PAVEMENT/ CURB.

Jackson Twp Planting Requirements		
Requirement	Required	Provided
Foundation Planting	182 sf	198 sf
Trees per Building Cover	9" of Tree Caliper	9 trees - 1" cal each
Trees per 6 Parking Spaces	8 Trees	8 Trees
Interior Landscape	202 sf	1,599 sf
Landscape at Sign	50 sf	79 sf
Parking screening	Hedge between Parking and Road	Hedge between Parking and Road
Buffer Type A	South of development	South of development
Buffer Type A	North of development	Provided by existing vegetation

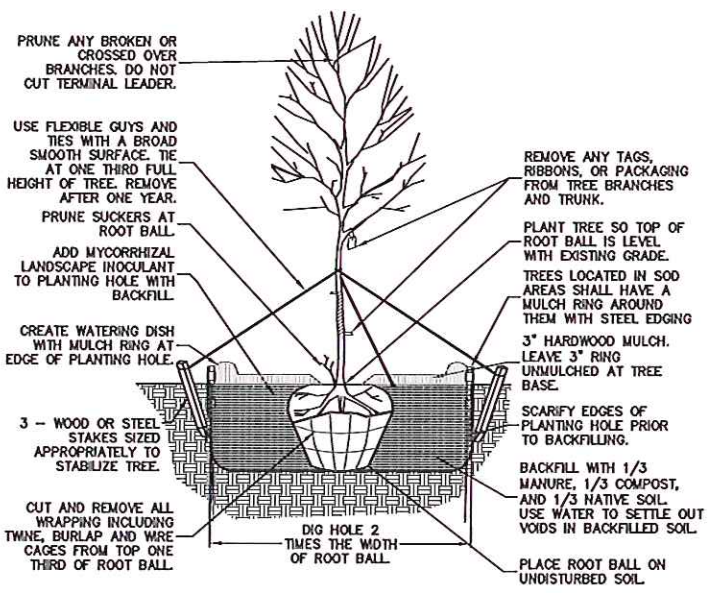


LEGEND

- 13 Ca NUMBER AND TYPE OF PLANTS TO BE PROVIDED AND INSTALLED.
- + PROPOSED DECIDUOUS TREE
- PROPOSED SHRUBS, EVERGREEN AND DECIDUOUS
- @ STEEL LANDSCAPE EDGING.
- * STORM WATER SEED MIX

ALL UTILITIES AS SHOWN ARE APPROXIMATE LOCATIONS DERIVED FROM ACTUAL MEASUREMENTS AND AVAILABLE RECORDS. THEY SHOULD NOT BE INTERPRETED TO BE EXACT LOCATION NOR SHOULD IT BE ASSUMED THAT THEY ARE THE ONLY UTILITIES IN THE AREA.

FIELD WORK PERFORMED BY:
LANDTECH PROFESSIONAL SURVEYING



DECIDUOUS TREE

Stormwater Seed Mix		
Botanical Name	Common Name	Oz./Acre
Permanent Grasses/Sedges		
Carex cristatella	Crested Owl Sedge	1.00
Carex lurida	Bottlebrush Sedge	2.00
Carex vulpinoidea	Brown Fox Sedge	6.00
Elymus virginicus	Virginia Wild Rye	12.00
Glyceria striata	Fowl Manna Grass	1.25
Juncus effusus	Common Rush	1.00
Juncus torreyi	Torrey's Rush	0.25
Leersia oryzoides	Rice Cut Grass	1.00
Panicum virgatum	Switch Grass	8.00
Scirpus atrovirens	Dark Green Rush	1.00
Scirpus cyperinus	Wool Grass	0.50
Scirpus fluvialis	River Bulrush	0.25
Scirpus validus	Great Bulrush	6.00
Temporary Cover		
Avena sativa	Common Oat	360.00
Lolium multiflorum	Annual Rye	100.00
Forbs		
Alisma spp.	Water Plantain Mix	4.25
Asclepias incarnata	Swamp Milkweed	1.50
Bidens spp.	Bidens Mix	2.00
Helenium autumnale	Sneezeweed	2.00
Lycopus americanus	Common Water Horehound	0.25
Mimulus ringens	Monkey Flower	1.00
Penthorum sedoides	Ditch Stonecrop	0.50
Polygonum pensylvanicum	Pinkweed	4.00
Rudbeckia subtomentosa	Sweet Black-Eyed Susan	1.00
Sagittaria latifolia	Common Arrowhead	1.00
Senna hebecarpa	Wild Senna	1.00
Thalictrum dasycarpum	Purple Meadow Rue	2.00



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3	PRELIMINARY ENGINEERING/SEPTIC REVIEW	1/7/16
4	ENGINEERING REVIEW	2/25/16
5	ENGINEERING REVIEW RESUBMITTAL	5/5/16
6	GOOD RESUBMITTAL	5/18/16

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LANDSCAPE PLAN

GROVE CITY, OH (HARRISBURG PIKE) DOLLAR GENERAL

CAPITAL GROWTH - BUCHALTER

Sheet Title: 5/18/16

Project: 1-1

Client: Sheet

