

LOCATION MAP

PROJECT CONTROL

FINAL CONTINUE.

Plan elevation and horizontal location shall be based an a local coordinate system and datum established by the control monuments and benchmarks listed below. Elevations shown ware derived from GPS observation using VRS on CORS network in based on NAVO 8B Datum.

Control #1
A 2 capped iron pin found at the northwest property corner.

Northing: 627342.08 Easting: 1838012.91

Control #2

A * capped iron pin found at the southwest property corner.

Northing: 627095.40 Easting: 1837998.07

Control #3
A mag nail set near the center of the cul-de-sac.

Northing: 627300.88 Easting: 1838205.98 Elevation: 704.84

Control #4. The north rim of a manhole found north of the cul-de-sac.

Elevation: 704.31

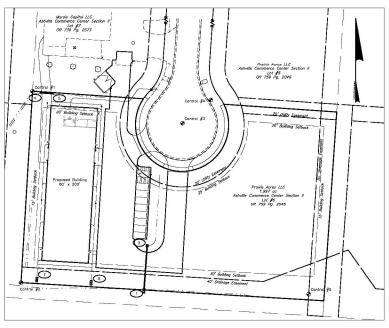
rim of a manhole found near the southeast corner

Elevation: 705.73

OHIO Utilities Protection SERVICE Call Befare You Dig 8-1-1 OR 1-800-362-2764 OIL & GAS PRODUCERS UNDERGROUND PROTECTION SERVICE 1-800-925-0988

VILLAGE OF ASHVILLE, PICKAWAY COUNTY, OHIO **PRODUCTION PLUS**

SOUTH BUSINESS PLACE PLOT, GRADE AND UTILITY PLAN



INDEX MAP

Reviewed 08/23/2022 Christopher M. Tebbe, P.E.

Owner Information & Contact

STANDARD DRAWINGS

2300 (07/01/2021) 1441 (07/01/2021) 2202 (07/01/2020) Sidewalk Pavement and Utility Repair Cut Standards Driveway, Non-Residential Standard Catch Basin Light Duty Grate Type I Bedding Trench Installation Typical Sanitary Service Connection Typical Cleanout Precast Pipe Culvert Headwalls AA-S133A (08/08/14) AA-S139 (12/06/2013) AA-S149 (10/15/2014) AA-S150 (07/09/2012) AA-S150 (03/25/2021) Sheet 5

SHEET INDEX

Map, Index Map, and Estimated Quantities Sheet 2 General Notes and Details

Sheet 3 General Nates and Details Existing Site and Demolition Plan Sheet 4

Utility Plan

Sheet B Storm Water Pollution Prevention Plan

ESTIMATE OF QUANTITIES

The plan quantities shown below are the engineer's estimated only. The Contractor shall be responsible for calculating quantities based on the plan for bidding and construction

	Quan.		Description
		Sum	Clearing and Grubbing
202	Lump		Structures and Obstructions Removed
202	41	S.Y.	Concrete Removed
202	25	S.F.	Sidewalk Removed
202	8	L.F.	6° Sanitary Service Removed
252	12	L.F.	Full Depth Sawcut
203	1,165		Excavation
203	1,049		Embankment
204	3,806		Subgrade Compaction
204	2	Hours	
207	1	Each	Catch Basin Inlet Protection
207	485	L.F.	Sediment Control Fence
207	-1	Each	Concrete Washout
207	30	C.Y.	Stabilized Construction Entrance
304	43	C.Y.	4" Aggregate Base
304	31	C.Y.	6" Aggregate Base
304	466	C.Y.	10" Aggregate Base
448	78	C.Y.	1.5" Asphalt Concrete Surface Course
448	8	C.Y.	1.5° Asphalt Concrete Intermediate Cours
448	116	C.Y.	2.5" Asphalt Concrete Intermediate Cours
452	260	S.Y.	8" Plain Portland Cement Concrete
608	1,978		Concrete Walk
SPEC	9	Each	Porking Blocks
601	1	C.Y.	Rock Channel Protection, Type C
604	5	Each	Precast Endwall (AA-S168)
604	1	Each	Catch Basin (AA-S133A)
801	130	L.F.	3/4" Water Service and Fittings, Comple
901	450	L.F.	6" Storm Sewer with Type 1 Bedding
901	72	L.F.	12" Storm Sewer with Type 1 Bedding
915	4	Each	Roof Drain Cleanout
915	3	Each	Sanitary Cleanout
915	3	Each	6"x6" Sanitary Wye
918	156	L.F.	6" PVC, SDR-35, Sanitery Service Pipe With Type 1 Bedd
614	Lump	Sum	Maintenance of Traffic
623	Lump		Construction Layout Stakes
	Lump	Sum	Mobilization
630	1	Each	ADA Signage
644	Lump	Sum	Povement Markings
659		S.Y.	Seeding and Mulching
SPEC	5	Each	Bollard

APPROVED BY:

Approval of these plans does not constitute assurance to operate as intended. The reviewer does not accept responsibility for the integrity of the plans.

Charles K. Wise Mayor, Village of Ashville Date:

Christopher M. Tebbe, P.E. No. 68106 Village Engineer, Village of Ashville

Franklin Christman Village Administrator, Village of Ashville

PREPARED BY: Harral and Stevenson

Craig E. Stevenson, PE 80114 Harral and Stevenson, LLC

By By teviewed By CES

OF ASHVILLE, PICKAWAY COUNTY, OHIO PRODUCTION PLUS SOUTH BUSINESS PLACE PLOT, GRADE, AND UTLITY PLAN MAP, NIDEX MAP, AND ESTIMATED QUANTITIES

Harral and Stevenson
ONI Engineering sind surveying
2.889. Next, Locart Street
Circenile, Onlo 4.3113
Pir 744, 344, 344, 344
www.harrotelsevenson.com

VILLAGE



Date: June 21, 2022

Sheet 1/8 roject E211020

CFM 2

MY MODIFICATION TO THE SPECIFICATIONS OR CHANGES TO WORK AS SHOWN ON THESE DRAWINGS MUST HAVE PRIOR WRITTEN APPROVAL BY THE VILLAGE ENGINEER.

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POIL TO BLOOMS THE CONTRICTOR SHALL, BY PERSONAL DAMINATION, SATISFY THEMSELVES AT OTHE LOCATION OF THE PROPOSED WORK AND TO ACQUANT THEMSELVES THOUGHOUSE WITH THE EXPENSION CONDITIONS AND THE PROPOSED WORK AND TO ACQUANT THE SECOND TO ANY EXPENSIONANCE OF THE PROPOSED WORK, THIS DEPOSED ANY EXPENSIONAL OF THE PROPOSED WORK, THIS DEPOSED ANY EXPENSIONAL THIS.

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DRIGHT TO BEONNING CONSTRUCTION, THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS
PROFIT TO COORDINATE AND PROVIDE FULL—TIME INSPECTION SERVICE BY THE
VILIAGE FOR THE PROPOSED WORK, COST OF INSPECTION SHALL BE PAID FOR BY THE
DRIGHTER.

SOL 1.

THE CONTRACTOR OR DEVILOPER SHALL SELIPE AND PAY FOR ALL INCESSARY PERMITS AND GOVERNMENT RESS. LICINISES, AND RESPECTIONS FOR THE PROPER EXECUTION AND CONTRETION OF THE PROPER EXECUTION AND DEVILOPED AND THE PROPER DEVILOPED AND THE PROPER FOR TO CONSTRUCTION. ALL PETRIENE STANDARD CONSTRUCTION PROPERTIES STANDARD CONSTRUCTION PROPERTIES THE ADMINISTRATION FOR THE OFFICE OF THE VALUE CONDICTS.

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LITTER SHALL SHET THE ONE CONSTRUCTION TO THE 600 AND THE SHEET SHALL SHALL
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GEN. 11
THE FOLLOWING UTILITIES AND OWNERS ARE LOCATED WITHIN THE WORK LIMITS OF THIS PROJECT AND DO SUBSCRIBE TO A REGISTERED UNDERGROUND UTILITY SERVICES:

FRONTIER COMMUNICATIONS SOO LANCASTER PIKE CIRCLEVILLE, OHIO 43113 (740) 474-7197

COLUMBIA CAS TRANSMISSION 1440 MCNAUCHTON ROAD COLUMBIUS DH 43232 SOUTH CENTRAL POWER COMPANY 2780 COONPATH ROAD, NE LANCASTER, OHIO 43130 (614) 853-4422 AMERICAN ELECTRIC POWER 1320 SUGAR GROVE ROAD LANCASTER, OHO 43130 (740) 689-4700

TIME WARNER COMMUNICATIONS 1315 GRAWNLLE PIKE LANCASTER, DHIO 43130 (740) 835-9685 SBC 140 WEST WHEELING STREET LANCASTER, OHD 43130 (740) 687-6696

COLUNBIA GAS OF OHIO 843 PLATT WENUE CHILLICOTHE, DHIO 45601 (614) 772-9224

"MILAGE OF ASHYLLE SERVICE DEPARTMENT 160 CHERRY STREET, ASHMILE, DHIO 43103 (740) 983-4053 (WATERLINE SMIRKY SEWITH & STORM SEMER ONLY) 200 EAST STATION STREET, ASHVILLE CHIO 43103 (740) 983-6367

* THE MILAGE OF ASSIMILE DOES NOT SUBSCRIBE OR IS A MEMBER OF OLIPS

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GPL 13
THE CONTRACTOR IS RESPONSIBLE FOR COGRONATING THE RELOCATION OF ANY UTILITIES AS REQUIRED BY THE PLAN WITH THE DWAFR OF THE AFFECTED UTILITY.

SEMI_MS PROFISHING DRADE CONTRIESS WORT OCCUR WITH DOSTING UTILITIES, THE SHEET POTENTIAL DRADE CONTRIGUED WILL BE REQUIRED TO INCOMER SUCH UTILITIES SUFFICIENTLY IN ADMINIST CHANGE POR OUTLIN ORDER WITH THE DEADER WAS CRETINATE HE DUCT ELEMENT AND WAS EAST RECEIVED AND WAS EAST RECEIVED THE MORE SHALL BE MACHINED IN THE ORDER OF THE MORE SHALL BE MACHINED IN THE ORTHORY.

GEN. 15.

ALL MATERIALS INCLUDING PIPING, APPLATEMANCES, MANHOLES, GRAVEL, ETC. TO BE UTILIZED FOR DEDICATED PUBLIC UTILITIES OR ROADWAYS MUST BE APPROVED BY THE VILLEY OF A SUMMER E PARMEN IT. ENDINGER.

GEN 16.

ALL FIELD TILES BROKEN DURING EXCANATION SHALL BE REPLACED BY THE CONTRACTOR TO ORGANAL CONDITION OR CONNECTED TO THE DURB SUB-DRAIN OR TO THE STORM SEVER SYSTEMS AS DIRECTED BY THE ENGINEER.

CEN. 17.
THENTY-FOUR (24) HOUR ADVANCE NOTIFICATION IS REQUIRED FOR ALL WORK REQUIRING INSPECTION, TESTING, OR APPROVAL BY THE VILLAGE ENGINEER OR BUILDING RECOMPTISATION.

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THE CONTROL OF SHALL REPAR OR REPLACE MAY AND ALL EXISTING WORK DAWAGED
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CEN 19.

CARE SHALL BE EXERCISED WHEN WORKING THE AREA AROUND EXISTING TREES AND SHRIUBS. ANY TREES OR SHRIUBS NOT WARKED FOR REMOVAL THAT ARE DAMAGED BY THE CONTRACTOR WILL HAVE TO BE REPLACED BY THE CONTRACTOR TO THE SATISFACTION OF

ANY PROPERTY CORNER PINS OR PERMANENT SURVEY MARKERS DISTURBED DURING CONSTRUCTION SHALL BE RESET BY A REDISTERED SURVEYOR AT THE CONTRACTOR'S EXPENSE.

92M.21DISTING STRUCTURES TO BE REMOVED OR DEMOLISHED REQUIRE A "DEMOLITION PERMIT" ISSUED BY THE VILLAGE OF ASYMILE ENGINEER. **SEN 22**THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING MAIL SERVICE IN THE

MEM 22.

THE CONTRACTOR SHALL NOT ORDER MATERIAL OR PERFORM WORK FOR ITEMS DESIGNATED BY PILAN NOTE TO BE LISED "AS DIRECTED BY THE ENGINEER "INLESS NATIONATED BY THE ENGINEER HE ACTUAL WORK LOGATIONS AND QUANTIES USED FOR SUCH THAN SHALL BE INCORPORATED INTO THE FINAL CHANGE ORDER COMPRINING COMPLETION OF THIS PROJECT.

ZEN. 24.

ALL TIEUS OF WORK CALLED FOR ON THE PLANS FOR WHICH NO SPECIFIC METHOD OF PWINEMT IS PROMIDED SHALL BE PERFORMED BY THE CONTRACTOR AND THE COST OF IT SHALL BE INCLUDED IN THE PRIOE BID FOR THE VARIOUS RELATED ITEMS.

ALL EXCAVATION ON THIS PROJECT IS UNCLASSIFIED, THE CONTRACTOR SHALL WAKE ALL EXCAVATION OF MINISTER NATURE NECESSARY FOR CONSTRUCTION OF WATER LINES AND SERVERS AND THEIR APPLICATIONAL STRUCTURES INCLUDED IN THIS PROJECT.

APPROVALS OF CONSTRUCTION PLANS IS CONTINGENT ON ALL EASEMENTS REQUIRED FOR THE CONSTRUCTION OF THE WORK BEING SECURED AND SHOWN ON THE FINAL PLAT FOR RECORDING, NO WORK THAT REQUIRES AN EASEMENT WILL BE ALLOWED TO PROCEED

TWENTY-FOUR (24) HOUR ADVANCE INDIFFICATION IS REQUIRED FOR ALL WORK REQUIRING INSPECTION, TESTING, OR APPROVAL BY THE VILLAGE ENGINEER OR BUILDING DEPARTMENTS.

THE CONTINUOUS IS RESPONSIBLE TO NOTIFY THE MILLAGE ENGINEER AND REQUEST A FIRM, PUNCH-DUT INSPECTION OF THE SHE ONCE ALL OF THE ITEMS ON THE APPROVED DEVELOPMENT PLANS HAS BEEN COMPLETED.

THE CONTRACTOR SHALL SUFFICIENTLY EXPOSE EACH UTILITY OR STRUCTURE INDICATED ON THE FLANS IN ADVANCE OF EXCAVATING TO DETERMINE IF A GRADE CONFULCT OCCURS. LOCATIONS SHOWN ARE APPROXIMATE ONLY. OTHER UTILITIES NOT MARKED MAY ALSO REQUIRE EXPOSED MAY ALSO.

DEL 30 LOPE DE RESPONSIRE FOR HAND "NO-BULL" CONSTRUCTION DIAMANS SENT TO THE PULLAGE DICHNESS AFTER THE PROJECT HAS BEEN COMPLETED. THE PLANS MIST INCLUSE DIO-CH-CHONING AND TIGH-HAIR ELEMENTS FOR ALL SANDRAY MAY SISSM SENT TOWNESS WIST AND DICLOSE SHILL PLANS DOORS HAVE SENT CONSTRUCTED PUBLIC UTILITY STRUCTURES.

EFN 31ACCESS TO ALL ADJOINING PROPERTIES SHALL BE MAINTAINED AT ALL TIMES, UNLESS NUTURNING SHOWN ON THE DRAWINGS.

GEN. 32

ALL SITE CLEARING SHALL BE PERFORMED BY THE OWNER AT HIS EXPENSE PRIOR TO CONSTRUCTION OF THIS PROJECT SUBJECT TO COMPLIANCE WITH THE VILLAGE OF ASHMILE TOWNER CODE.

ZPL.XX
ALL RIEZE, ETHER STANDING OR FALLEN, AND STLINPS WITHIN THE CONSTRUCTION LIMITS
SHALL BE REMONDE UNDER THE LIMP SLM BID FOR ITEM 201, OLEARING AND GRUBBING
UNLESS DIRECTED OTHERWISE.

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SEN 30

ANY TUNNELING OR BORING OF ANY FIPELINES SHALL BE IN ACCORDANCE WITH PLANS APPROVED BY THE VILLAGE ENGINEER.

DARIO THE CONSTRUCTION OF THE IMPROVANCINS SHOWN ON THESS PLANS, SOMETIMENTON AND PROSENS CONTROL SHALL BE CONTROLLED IN ACCORDANCE WITH APPLICABLE STATE AND FEBRUAR REQULATIONS. THE CONTROLLED IN ACCORDANCE WITH APPLICABLE STATE AND FEBRUAR REQULATION, REQULATION THE PAY STANRANGE WHICH MICEDID FOR THE DARROW OF THE PROSEN, ALL COSTS ASSOCIATION WITH ADVISORY DESIGNATION OF THE PROSEN, ALL COSTS ASSOCIATION WITH ADVISORY DESIGNATION OF THE PROSEN, ALL COSTS ASSOCIATION WITH ADVISORY DESIGNATION OF THE PROSENCE OF THE DARROW OF THE PROSENCE OF THE PROS

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 $\stackrel{\bullet}{\longrightarrow}$ City of collingus standard drawings shall govern all projects unless

THE CONTRACTOR SHALL CLEAN UP—ALL BEBRIS AND MATERIALS RESULTING FROM HIS DEFEATIONS AND RESTORE ALL SURFACES, STRUCTURES, DITCHES, AND PROPERTY TO ITS DEGISHAL CONDITION TO THE SATISFACTION OF THE ENGENEER.

THE CONTRACTOR SHALL CONFINE HIS ACTIVITIES TO THE PROJECT SITE UNDER DEVELOPMENT OR THE EXISTING RIGHT-OF-WAYS, CONSTRUCTION, AND PERMANENT DEVELOPMENTS AND SHALL NOT TRESPASS UPON OTHER PRIMATE PROPERTY WITHOUT THE WRITTEN CONSENT OF THE OWNER.

THE CONTRACTOR SHALL DISPOSE OF ALL SURPLUS EXCAVATION OFF-SITE OR MOUND FOR FUTURE SECTIONS MOUNDED MATERIAL SHALL BE DRESSED-UP, STABLIZED AND SEEBED ACCORDING TO SPECIPACIONS, ONLONG SHALL NOT EXCEED TO THE HEIGHT AND SHALL NOT INTERFERE WITH SITE DRAINAGE.

EXI ME

THE REGISTATION SHOWN CONCERNING EXISTING UTILITIES IS NOT REPRESENTED.

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GEN 47.

COMPLANCE WITH THE COCUPATIONAL SAFETY AND HEALTH ACT OF 1970 IS REQUIRED OF
ALL CONTRACTORS ON THIS GROLLET.

FIN 48.

WHERE MANHOLES ARE LOCATED WITHIN STREET CRADING LIMITS, THE TOPS SHALL BE BUILT TO ELEVATIONS SHOWN OR ORDERED, ELSEWHERE MANHOLES SINKL. BE BUILT OR SUBSEQUENT ADJUSTED TO NEET SUBFACE GRADES ESTREADED FOR THE DOLG-PMENT. THE LOCATION FILE ADJUSTED TO THE DELIGHMENT. THE LOCATION FILE ADJUSTED TO THE LOCATION FILE MOSTERS OF THE DOLG-PMENT.

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8 OF MAXIMUM LAGGRATORY DENSITY) OF THE CONSTRUCTION AND MATERIAL.

8PECIFICATIONS, ALL BACKFILL MATERIAL SHALL BE REMOVED, REPLACED, AND RE-TIESTED
INITIL COMPACTION MEETS SAID REPLIEBEATED OF 972.05

ZEP 2.

LE PARMINT JOHNS, PARTICULARLY WHERE A PROPOSID PAYEMENT ABUTS AN EXISTING PROPOSID PAYEMENT, AND ALL PAYEMENT JOHNS ABUTTING UTILITY STRUCTURES SUCH AS MANIGLES, CALCH BISSNS, VALVE BOXES, CTL. SHALL BE SEALE) IN ACCORDANCE WITH TEM 413 PRE (1) OF THE CUT OF COLUMBAS CONSTRUCTION AND MATERIAL SPECIFICATIONS.

THE CONTRACTOR SHALL CONTACT THE COLUMBIA GAS OF OHO, INC. OPERATIONS SUPERVISOR AT 614818-21090NE (1) WESK PRORT TO RODGERY CONSTRUCTION FOR THE CENTER OF PURCHAST OF THE COLUMBIAS SOUTHERN POWER COMPANY ENGINEERING LIAISON CONDININATION AT 614-44-7379 FOR LECTING CONDUIT SLEETS.

AT THE OPTION OF THE DEVELOPER OR THE MILLAGE, THE PLACEMENT OF THE FINAL WEARNS COURSE OF ITEM 404 ASPHALT CONCRETE MAY BE DELAYED UNTIL SUCH TIMITHAT THE MALDRITY OF THE RESIDENTIAL HOUSING CONSTRUCTION IN THE AREA IS

MEARING COURSE OF ASPHALT CONCRETE IS TO MEET CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIATION TIEM 404 AND ADDITIONAL MIX DESIGN REQUIREMENTS OF THE VILLAGE OF ASHALLE.

STEEL PLATES SHALL BE POSITIONED AND SECURED IN PLACE WITH STEEL SPIKES AND COLD PATCH ASPHALT MIX OVER ALL TRENCHES THAT ARE LEFT OPEN ON A TEMPORARY RISES AND SIRE FOR THE TRANSPORT.

VILLAGE STREETS ARE TO BE KEPT CLEAN AND FREE FROM MUD, STONE, DRT, ETC. A TUDHOWAY CONSTRUCTION ENTRANCE COMPRESED OF A 20' X 50' MAY OF NUMBER 2 STONE IS TO BE MAINTAINED AT ALL SITE ENTRANCES.

CONCRETE CURBS ARE TO BE BRANDED DURING PLACEMENT UTILIZING THE STANDARD BRAND SET PROVIDED BUY THE VILLAGE OF ASHMILE ENGINEER, BRAND CURBS ARE AS STUTING.

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DROMERTEE SEX HISTORY.

ROW 10

THE COMPNATION CURB AND GUTTER SHALL BE PLACED CONTINUOUSLY, DRIVEWAY KNOCK
DOWNS SHALL BE SAW-CUT AT THE TIME EACH INDIMIDUAL RESIDENT IS CONSTRUCTED.

IDEA.1.

MICHIGATI RORES SAMLI RE INSTALLED AT INTERSECTIONS DESIGNATED ON THE PLANEXXISS SMALL RE INSTANT RE-1988. THE SAM- DE XXST JOHAN ROW MORES NUMBER
SXXTS SMALL RE INSTANT RE-1988. THE SAM- DE XXST JOHAN ROW MORES NUMBER
SXXTJ. MONAUMENT SAKE TO BE SET IN A COMPRETE PLACE DIWENT-FOUR (24) DIMONORMETER CORED HOLE, FLUSH WITH THE TOP OF THE PAMEMENT PER VALUES STANDARS.

ALL TRAFFIC CONTROL DEVICES SHALL BE FIRMSHED, ERECTED, WINTAMED, AND REMOVED BY THE CONTRACTOR IN ACCORDANCE WITH THE "SHO WANAL OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION AND MANTENANCE OFFENDIONS" COPES OF WICE-MANUALE, FROM THE OHIO DEVINENCE OF TRAFFIC PROPERTY OF TRAFFIC, 2S SOUTH FRONT STREET, COLUMBUS, DITO 42215.

THE CONTRACTOR/DIVELOPER IS RESPONSIBLE FOR THE PROVISION AND SCHEDULING OF PRISONNEL FOR CONCRETE, ASPHALT, AND SOILS TESTIME PROCEDURES AS REQUIRED BY THE VALLACE EMPORET. TESTIMG S TO BE PERFORMED BY RESISTERED ISSUE PROCEDURES AS REQUIRED BY THE VALLACE EMPORET. TESTIMG S TO BE PERFORMED BY A RESISTERED TESTIMG ASSINCT THIS SAPPONED BY THE VALLACE EMPORED.

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THE MORE LAINS SHOWN ON THISE PLANS ARE FOR THE PRYSICAL CONSTRUCTION ONLY. THE MORE LAINS SHOWN ON THE MISSIALATION AND OPERATION OF ALL TRAFFORMER TRAFFIC CONTROL EXPICES SHALL IN PRODUCE OF THE MORE LAINS OF THE CONTROL EXPICES SHALL IN PRODUCE OF THE MORE LAINS OF THE CONTROL EXPICES OF THE MORE LAINS OF THE CONTROL EXPICES OF THE MORE LAINS OF THE LAINS OF THE MORE LAINS OF THE LAINS OF THE MORE LAINS OF THE LAINS OF THE MORE LAINS OF THE MORE LAINS OF THE MORE LAINS OF THE LAINS OF THE

FOR 17

NO MON-RUBBER THE VEHICLE SHALL BE MOVED ON VILLACE STREETS, EXCEPTIONS MAY BE GRANATED BY AN AUTHORIZED VILLACE OFFICIAL BHERE SHORT DISTANCES AND SPECIAL ORGUNISTANCES ARE INVOLVED, CRAMING OF EXCEPTIONS MUST BE IN WRITING AND ANY RESULTING DIAMED MUST BE REPARED TO THE SKRIFTACION OF THE VLLAGE.

BOT 18
STEADY BURNING TYPE "C" LIGHTS SHALL BE REQUIRED ON ALL BARRICADES, DRUMS AND
SIMILAR TRAFFIC DEVICES IN USE AT NIGHT, CONES ARE NOT PERMITTED TO BE USED FOR

EDE 18
ALL TRYPIC LINES SHALL BE FULLY OPEN TO TRAFFIC FROM 7:00 A.M. TO 9:00 A.M.
AND 4:00 P.M. TO 8:00 P.M., LINLESS CHICKINSE APPROVED BY THE VILLAGE ONE LA MAY BE CLOSED TO TRAFFIC DURING WORKING HOURS, DURING SANTARY SEMER BORIN DEPARTON.

THE AS A STATE OF THE RESIDENCE OF THE RESIDENCE THE THEPWEN PROJECT OWN THE PROJECT OF THE PROJ

ROW 21

ALL TRENCHES IN THE ROADWAY SHALL BE BACKFLLED OR SECURELY PLATED DURING HOLES.

N THE MENT CHANGED FOR THE STREET IS FROM ZERO (6) MACHES TO TRELLYE (12) NOTES THE THE CONTRACTOR SHALL REPLACE TO MENT AND THE CONTRACTOR SHALL REPLACE TO MENT AND THE CONTRACTOR SHALL REPLACE TO THE CONTRACTOR SHALL REPLACE TO THE CONTRACTOR SHALL REPLACE THE S

SANITARY SEWER NOTES

SEL THE SEL TH

SEC. 2.

SAMINER'S SEVER LEAGUE TESTING, LEAVAGE TESTING, LEAVAGE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF TEM 601.20 AND SHALL RICLIES MAY SEVER MANIFLES AND SERVICE COMMETTINGS BURNED THE CONSTRUCTION OF THE SEVER AND MANIFLES GROUND WATER LEVELS SHALL BE DISSERVED AND RECOVERY IN A SUMMELLES GROUND WATER LEVELS SHALL BE DISSERVED AND

SEA 3.

INCOMPANIENT SPECIFICATION ON DECITIO TO THE REQUIREMENTS OF EINER THE CONTINUOUS SPECIFICATION OF THE CONTINUOUS SPEC

SEC. 4.
CLEAN WATER CONNECTIONS INCLUDING ROOF DRAINS, FOUNDATION DRAINS, SUMPS, ETC.
ARE PROHIBITED FROM BRING CONNECTED TO THE SANTARY SWER.

SSC 6

PIPPS FOR ALL 6" SERVICES SHALL BE PVC SEMER PIPE CONFORMING TO REQUIREMENTS

PIPPS FOR ALL 6" SERVICES SHALL BE PVC SEMER PIPE CONFORMING TO REQUIREMENTS PIPES TOWARL IS SOMEONES SHALL BE INFO SEARCH PIPE COMMINIOR TO REQUIREMENTS.
SERVICES EXTENSIONS SHALL BE INSTALLED AT A MINIMUM GRADE OF 1/4" PER FOOT
AND SHALL BE CONSTRUCTED AT THE TIME OF CONSTRUCTING THE MAIN SEMER, UNLESS
DITERMISS DISPETED BY THE PROMISER.

SSE_7

THE MINIMUM REQUIREMENT FOR SEWER PIPE ON THIS PROJECT SHALL BE SOR35, ASTM
D3034 PQLYMINTL CHLORIDE (PVC) SEMER PIPE WITH ASTM C1784 CELL CLASSFICATION
OF 12454 B OR 12454 C, UNILESS OTHERWISE SHOWN ON THE PLANS.

280.8

AL PIC PRIC SHALL BE DEFICION TISTED THRY? (20) DAYS OR MORE AFTER THE TREATMENT HER SHALL BE DOSE IN ACCORDANCE WITH THE SOUTCE WERE A DOS ON THE TISTEN SHALL BE DOSE IN ACCORDANCE WITH THE SOUTCE WERE ADD MARROR THROUGH D'IT THE DOVERT SHALL BE USED FOR THE TESTING. NO MOWARDLA ALLING DOXEST SHALL BE USED THE STRUCTURE SHALL BE COST. THE TOTAL CONTROL THE STRUCTURE SHALL BE SHAL

SSET IN THE STATE OF THE METALLED ALONG MAIN LINE SEMENS IN ACCORDANCE WITH ITEM 901.11 CNCS AT HALF THE DISTANCE BETWEEN EACH PAIR OF MAN-DLES. BUT NO CLOSER THAN TEN (10) FEET FROM A LATERAL SERVICE, COST TO BE INCLUDED WITH CAPOUS SERVICE, TOURS.

S85.10
8"-O" LONG CLAY DAWS ARE TO BE INSTALLED ON ALL SANTARY LATERAL SEMERS BUT NO CLOSER THAN INVE (5) FRET FROM THE END OF THE SERVICE. DAWS ARE TO BE INSTALLED BY SITE UTILITY CONTRACTOR WITH THE COST TO BE INCLUDED WITH WARROUS SEWER TIELS.

SKS 11

PURILC SANITARY MANABLE COVERS ARE TO BE EAST JORGAN IRON WORKS NO. 1860-A2

OR FOLKWAIFNT AND EMBOSSED VILLAGE OF ASHALLE SANITARY SEMEN.

28. 12

ALL SWITGEY MANHOLES AND LATERAL SERMICES ARE TO BE WARRED WITH A
ALL SWITGEY MANHOLES AND LATERAL SERMICES ARE TO BE WARRED WITH A
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SEC. 15. WHITE THE SAMENAY SMER CRISSES UNDER A PROPOSED STORM SENER OR NATURALS. THE TRACKA'S SMALL BE BOSCHILLED TO THE BIOTION OF THE PROPOSED STORM SERIES OF MATERIAL WITH SMACH STORM SHE SMACH SMACH

PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY MANHOLE CONSTRUCTION AND TOP-OF-CASTING ELEVATION. MANHOLES SHALL BE BULLT OR AQUISTED SO THE TOPS CONFORM TO THE ELEVATIONS SHOWN ON THESE PLANS. ALL MANHOLE CASTING AQUISTANTIS SHALL BE ACCOMPISSION WITH PREF-CAST LODGERTE AQUISTATION FOR THE PROPERTY OF THE PROPER

SMS 10 ALL PIPES SHALL BE INSTALLED WITH STONE OR GRAVEL BEDDING AS SHOWN IN THE STANDARD DRAWINGS

SME. 17
SWITHST TRENCH DETAILS SHALL BE IN ACCORDANCE WITH THE DITY OF COLLINBUS
STRANGED DRAWNICS AL-S149 UNLESS DIFFERENCE INDICATED BY VILLAGE OF ASHYLLE
STRANGED DRAWNICS. ALL PIPES SHALL BE INSTALLED WITH STONE OR GRAVEL TYPE
BEDDING.

TEMPORARY BULKHEADS SHALL BE PLACES WHERE INDICATED ON THE PLANS AND SHALL REMAIN IN PLACE UNTIL REMOVAL IS DIRECTED BY THE VILLAGE ENGINEER.

See 19 Semant Leterals netheld in a compon transit are to be extended with a smaller 2- σ center to center separation of Pipes in a 4- σ manual transit with a 1- σ manual eddor accordance for Pipes in a 4- σ manual transit mindly 10- σ center to center separation of Pipes at 5- σ from the Pipesper Lyler Roberto-Lyler Roberto-Lyle

SAS 50

A PERMANENT FLEXIBLE MATER JOINT SEALANT BETWEEN THE TOPS OF SANITARY MANHOLES AND MANHOLE CASTINGS SHALL BE INSTALLED. SEALANT TO BE "CONSEAL" AS MANUFACTURED BY CONSPEL" AS MANUFACTURED BY CONSPELS SEALANTS, INC. NEW CARLISE, CHIO OR APPROVED EQUAL.

SEC 21
SECRET MANHOLE SHALL BE PROVIDED WITH A "CHIMNEY SEAL" CONSISTING OF A TRIPLE
FACH MANHOLE SHALL BE PROVIDED WITH A "CHIMNEY SEAL" CONSISTING OF A TRIPLE DOTH WINNOUS SHILL BE HOW/DUT WITH A "CHAMME" SOME CHASISING OF A THIMPLE PLUMBER SUBJECT SERVICE AN ARMINAM THOSPOSTS OF 3/16 INCH, A MINICIAN UNDOWNABIOD VERTICAL RECENT OF EDIT! (8) MCHES, DAMBLE OF EDWARDING NOT INCH THAN TIME (2) MCHINES VERTICALLY HINNEN INSTITULE. IN CUMPPED WITH STEEPE (16) GAUGE 8°1-3/4 INCH WIS STATULE, THE DATE REVINITION BRIDGE, THE ENTIRE UNIT AS MANAFACTED BY CIEFES SPECIALLY PRODUCTS OR APPROVED EQUIL.

286.22

MO FLOW MAY BE DIZETTED, NTO THE NEW OR EXISTING SEWER UNTIL THEY HAVE BEEN MOSFECTED, TESTED, AND APPROVAD FOR USE, WRITTEN APPROVAL FOR SUCH USE SHALL BE OBTAINED FROM THE VILLAGE OF ASHALLE.

SANITARY AND STORM SEWER NOTES

STN/SNS. 1
ROOF DRAINS, FOUNDATION DRAINS AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER SYSTEM ARE PROHIBITED ON THIS PROJECT.

STACKS 2

ALL SANITARY SEMERS CONSTRUCTED UNDER THIS PLAN SHALL MEET THE REQUIREMENTS OF THE VILLAGE OF ASHAULE, LINLESS OTHERWISE MOTED.

THE CONSTRUCTION OF NEW SANTARY SEWERS OR WATERLINES SHALL NOT BEGIN UNTIL THE WILLIAST RECEIVES AN APPRIMED AND CURRENT CHILD ENVIRONMENTAL PROTECTION AGENCY PERMIT TO INSTALL (PTI), OR A LETTER OF ACCEPTANCE.

THERE SHALL BE NO SANTARY SEWER INSTALLED IN REAR OR SIDE LOT EASEMENTS WITHOUT PROR METTEN APPROVAL FROM THE VILLAGE OF ASHVILLE WASTEWAYED SIDERINITAGEORY.

STIM/SHE S. THE MINISTER ROUBEMENTS FOR SANITARY SEWER PIPE SHALL BE PAC SEWER PIPE ASTIMLINES, STP VS AND ASTIM F_ATO.

SIMANUS 8

THE KIMMAN REQUIREMENT FOR STORM SEMEN PIPE SHALL BE: 8" THROUGH 36" HIGH ONSITY POLYCTHYLDIR. N-12 OR CIULH. HIGH DENSITY POLYCTHYLDIR. PIPE WITH SWOOT INTERIOR WAIL. STORM PORNEX DERECE THAN 36" SHALL MEET THE REQUIREMENTS OF ASSITIO M-284-S. REINFORCED CONCRETE RCP MAY BE SPECIFIED BY THE EMGNEER WHICH THEY DEED MECESSARY.

EMANSAL ALL TREACH BECKILL SHALL BE COMPACTED BACKFLL AS PER CASC TEM 911. THE COST OF OIL COMPACTED BACKFLL BE INCLUDED IN THE PROCE BD FOR PURRISHING AND INSTALLAGE FREE TO COMPACTION IN THE PROCE BD FOR FOR ASMALLE REQUIRES THE USE OF NUMBER 37 CRUSHED LINESTONE ROLAND GRAVEL. FOR RESONAL BECURES THE USE OF NUMBER 37 CRUSHED LINESTONE ROLAND GRAVEL. FOR RESONAL OF SAMMERY PAPE.

STAGES 5.

IN ADDITION TO THE REQUIREMENTS OF CASC ITEM 501.09 AS IT REFERS TO COMPACTED BECKELL THERE MAY BE AREAS ON THE PLANS WITH THE LIMIT'S ROBOTED ON THE PROPERTY EVEN OF THE SERVER AS COMPACTED CONSULTED ADSOLUTE. THE SERVER AS COMPACTED CONSULTED ADSOLUTE. THE SERVER AS LONGWARTED CONSULTED ADMINISTRATION FOR THE REQUIREMENTS OF CASC ITEM 107.000, PRINEMY FOR THE TOTAL THE PROPERTY AND STAGEMENT AS ADDITIONAL THE ROBOTED AND STAGEMENT AS THE ROBOTED AS THE RO

STU/SAS $oldsymbol{a}$. All, bedoing of sanitary sewer pipe shall conform to the typical trench detail.

THE CONTRACTOR'S SPECIFIC ATTENTION IS DIRECTED TO THE REQUIREMENTS OF THE LEAKAGE TEST, ALL SMITHARY SURPRISE SHALL BE TESTED FOR LEAKAGE IN ACCORDANCE WITH 901.20 OF THE CITY OF COLLARIDIS CONSTRUCTION AND MATERIAL SPECIFICATIONS. THIS IS AN DEPTIMENT WATER TEST, AND AIR TEST IS PERMITTED AS PORCITED BY THE VILLAGE OF ASHMILE. AN INFILITATION TEST MAY BE REQUIRED IN AREAS OF HIGH DECONDINATER.

SIN/ARS 1.1
PIPE FOR ALL SIX (6) INCH HOUSE SERVICES SHALL BE PAC SEWER PIPE, ASTN D-3034, SCR 35. ALL SERVICE EXTENSIONS SHALL BE LAD AT A "MINIMUM GRIDE OF TWO (2) PERCENT AND SHALL BE CONSTRUCTED AT THE TIME OF CONSTRUCTION OF THE WAN SEWER, NALESS OTHERWISE DIRECTED BY THE VILLAGE EXCHINET.

SIMPLESS 13

A WE POLE MADE OF 4" BY 4" LUMBER SIMIL BE FURNISHED AND PLACED AT ALL WYE
BRANCHES AND AT THE END OF EXENDED SERMOR. THE COST OF THIS WORK SHALL BE
NOCLUBED IN THE PRICE BIP OFR THE SPREE HEWS.

SIMASSES 14
ALL SANITIARY SEWER LINES INSTALLED USING PVC PIPE WILL BE, SUBJECT TO DEFLECTION
TESTING BY PULLING AN APPROVED MANDREL EQUAL IN DAMPETER TO 95X OF THE PPE
DIMMETER THROUGH THE PIPE NO LESS THAN (200) DATS AFTER THE PPE IS BACKFILLED. STM/SHS. 15.
THE WE LOCATIONS SHOWN ON THE PLANS ORE APPROXIMATE AND SHALL BE FIELD LOCATED DURING CONSTRUCTION TO SERVE THE INDIVIDUAL STRUCTURES.

STM/SNS 16
WWHOLE COVERS FOR SANITARY SEWERS SHALL CONFORM TO VILLAGE OF ASHMILLE
STANDARD REMEMBES

NUMBER 10PS SHALL BE BUILT OR SUBSEQUENTLY ADJUSTED TO NEET SURFACE GRADES ESTABLISHED FOR THE ODMEIGMENT, COST OF THIS WORK IS TO BE INCLUDED IN THE PRICE BID FOR THE VARIOUS SEARE REMAIN.

ALL SANITARY SEWER LINES SHALL END WITH MANHOLES.

STW/SMS 19

ALL NEW SANITARY SEWER AND STORM DRAIN MANHOLES INSTALLED IN THE VILLAGE OF ASSAULT SANITARY SEWER AND STORM DRAIN SYSTEMS SHALL BE AS FOLLOWS:

FRE-CAST CONCRETE
FOUR (4) FOOT DIAMETER, MINIMUM
INSTALLED WITH FORWED CHANNELS

SIM/SSS 201 ALL NEW SANITARY SEWER MANHOLES AND EXISTING SANITARY MANHOLES ADJUSTED TO GRADE SHALL BE CONSTRUCTED WITH CHIMNEY SEALS AND DISH IN ACCORDANCE WITH VILLAGE OF "ASHYLLE SPECIFICATIONS.

 $rac{\sin i \sin 21}{\sin i \sin i \sin i}$ all new manholes and existing manholes adjusted to grade shall have concrete

SANTARY SEYER--MANHOLE CONNECTIONS: THE SANTARY SEVER PIPE TO MANHOLE CONNECTIONS SINLL BE OF A PLEMBLE MATERIORY LOUD OF APPROVED MANAFACTURE? THE CONT MAY BE OF THE FOLLOWING DESIGN (A) RUBBER SLEEN WITH STANLESS STEEL BANDING, (B) RUBBER CASKET COMPRESSION, OR (C) RUBBER GASKET EXPANSION.

STM/SMS 23 MANHOLE LOCATIONS: THE STATION AND OFFSET OF THE MANHOLES SHOWN ON THE PLANS ARE TO THE CENTER OF THE MANHOLE BASE.

STM/SHS 24 THE MAXIMUM TRENCH WIDTH SHALL NOT BE GREATER THAN THE OUTSIDE DIAMETER OF THE PIPE PLUS TWO (2) FEET.

THE CONTRACTOR SHALL MAKE PROVISIONS TO MAINTAIN FLOWS IN THE EXISTING SEWER AT ALL TIMES — DURING CONSTRUCTION METHODS FOR MAINTAINING

THANKS TO A SHARE SHALL BE RECORDED IN DID FORMAL AFTER CONSTRUCTION PROCE
TO ACCEPTANCE OF THE SENDES BY THE VALAGE OF ASSINILE. THE DID SHALL REMAN
THE PROJECTION OF REVILLAGE. OR ANNULL. THE DID SHALL LICALITY DORSTTY THE
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STIM/SAS 27. THE MAXIMUM VELOCITY IN ANY NEW SANITARY SEWER SHALL NOT EXCEED TEN FEET PER

ETH/SAS 20 TESTING OF LATERAL CONNECTIONS SHALL BE ADHERED TO.

NUMBER OF THE WAY OF THE PROPERTY OF THE WAY OF THE CONTINUE OF THE CONTINUE OF THE CONTINUE OF THE WAY OF THE CONTINUE OF THE CON

SILANGES OF THE CONTINUOUS SHALL SERVIT TO THE DESIGN BROWNER AND THE VALLAGE ENGINEER FOR HIS ON HER REVER, PIKE OPPOS OF SHOP DOWNINGS FOR ALL MADDINAS, STRAIGHTUNG, SOMEWOND STEPPER AND THE STRAIGHTUNG STRAIGHTUNG STEPPER AND THE STRAIGHTUNG STRAIGHTUNG STEPPER AND THE STRAIGHTUNG STRAIGHTUNG AND THE ADDRESS SHALL BE REPORTED STRAIGHTUNG AND THE ADDRESS SHALL BE REPORTED STRAIGHTUNG S

STU/SMS 31
THE MINIMUM CLEARANCE BETWEEN SANITARY AND WATER MAINS SHALL BE TEN (10) FEET HORIZONTAL OR ONE(1) FOOT SIX (6) INCHES VERTICAL OUTSIDE OF PIPE TO OUTSIDE OF

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THE ANNUAL REQUIREMENTS FOR STORM SCHOOL PAPE, WITH THE VALLACE, BROHT-OF-BANY
DE MANIANA REQUIREMENTS FOR STORMS CONCRETE PAPE AND CASES OR STATE OF AND
OF RESEMBNIS SHALL SE RETWORKED CONCRETE PAPE AND CASES OR STATE OF AND
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SIN 2. PECKER STORM SEKERS ARE SUBJECT TO MANDER, TESTIND AND/OR VICED INSPECTION. AS DIRECTED BY THE VILLAGE EXHIBITED SHALL BE PERCONADED ON SCONER PROPRIES OF THE VILLAGE EXHIBITED SHALL BE PERCONADED ON STORMER AND STO

SIN. 3 ALL STAN MAN-CLES SHALL BE WARKED WITH A σ' X σ' X $10'-\sigma'$ pressure travial wooden post projecting $\sigma'-\sigma'$ above the finished groce and with the top 1- σ' panied green on four sides.

STM 4.

THE COST OF ANY DEWATERING OPERATIONS REQUIRED FOR THE CONSTRUCTION OF THE STORM SEWER SHALL BE INCLUDED IN THE PRICE BID FOR THE WARKOUS SEWER ITEMS.

STILL BY THE COST OF ANY ROCK EXCAVATION SHALL BE INCLUDED IN THE PRICE BD FOR THE STORM SERRE. THE BODDE SHALL DETERMINE IF ANY ROCK EXCAVATION WILL BE REQUIRED AND AGULUST THEIR BIOS ACCORDINGLY.

SINLA.

ALL MAJOR FLOOD ROUTES AND DETENTION BASINS ARE TO BE SURVEYED BY A RESISTERED SURVEYOR TO MERRY CONFORMANCE TO THE APPROVED GROWING PLAN. COST OF THIS WORK SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

CONTROL MEASURES ARE TO BE INSTALLED BY THE CONTRACTOR DURING UCTION TO PROTECT CATCH BASINS AND CURB INLETS FROM SILT, MUD. AND

ALL DRAINAGE FLOOD ROUTES, SWALES, AND DITCHES ARE TO BE DESIGNED AND GRADED WITH A MINIMUM FLOW LINE GRADE OF TWO (2) PERCENT, AND A MAXIMUM SIDE SLOPE

ALL CATCH BASINS, MANHOLES, AND CURB INLETS SHALL HAVE CONCRETE CHANNELS POURED IN PLACE TO ASSURE POSITIVE DRAINAGE THROUGH THESE STRUCTURES.

 $\overline{\text{SIM}}$ 12 STORN SEER CURB INLETS ARE TO BE ADJUSTED WITHIN X^* OF PLAN ELEVATION USING STEFF SHIMS.

STILL IS.

PRE-CAST RINGS ARE TO BE USED FOR ALL FINAL ADJUSTMENTS OF WANKGLE CASTINGS STORM MANIFOLE FINISHED GRADE.

STM_14.

GPENINGS SHALL BE PROVIDED IN DRAINAGE STRUCTURES TO ACCOUNDDATE UNDER DRAIN GUTLES, LINDER DRAINS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH DETAILS GIVEN IN THE PLANS.

WATER MAIN/LINE NOTES

MIL WATERUNE SERVICE SADDLES SHALL BE DOUBLE BOLT STANLESS STEEL STYLE 306
AS MANUFACTURED BY ROMAC. OR EQUAL.

BL. 1. COCRIDA, SUPPORT, PROTECTION AND RESTORATION OF ALL WRETE LINES, SERVICES AND APPURITURANCES SHALL BE THE RESPONSEBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL SHALL HE SHEET AS FOR METHOD OF SUPPORTION FOR WRITE LINES ADDRESS. SHALL SHALL HE WRITE LINES ADDRESS. THE METHOD HE WITE LINES ADDRESS. THE METHOD HE COMPANIESHED OF DECORATION OF SHAPE CONTRACTOR. SHALL BE SECURED FROM TO THE COMPANIESHED OF DECORATION OF SHAPE CONTRACTOR.

WATER MAINS SHALL, WHERE POSSIBLE, BE DEFLECTED AROUND STRUCTURES WITHOUT THE USE OF SPECIAL FITTINGS AND WITHOUT EXCEEDING THE WANUFACTURER'S ALLOWABLE

THE STATE PROPORED AGAINST ENSTTING WAVES SHALL BE DONE AT THE CONTRICTIONS ROSE AND IN STREET COMPLANCE WITH THE REQUIREDATIS OF THE DEMORSE. IF SYNDRYCHOT TISS RESULTS OWNED AS CORNED AGAINST AN DISTING WAVE. THE ANIMAL SHALL DE DOSSINGOTH THEN THE STORM THE ANIMAL THE ANIMAL THE RESULTS OWNED THEM THE STORM THE ANIMAL THE REPORTED BY THE ANIMAL THE REPORTS OF THE ANIMAL TH

ALL COST TO PLUG AND BLOCK THE ENDS OF WATER MAINS AT LOCATION SHOWN IN THE PLANS SHALL BE INCLUDED IN THE PRIOR BID FOR PIPE.

WHITER SERVICE BOXES SHALL BE LOCATED 6" TO 12" FROM THE ROADWAY RIGHT-OF-WAY LINE, UNILESS OTHERWISE AUTHORIZED BY THE VILLAGE ENGINEER.

THE ALL OF THE PROPERTY OF THE

THE CHARACTER SHALL SHAPE TO THE WILLIES DESIGNED FOR REPORT FOR CORDS OF THE CHARACTER SHALL SHAPE TO THE WILLIES CHARACTER SHAPE CONTINUE AND CHARACTER SHAPE CHARACTER FORD TO SHIPMSCON TO THE WILLIES, TRIES CHARACTER SHAPE CHARACTER SH

THE .11.

WARR REQUIRING THE SHUTDOWN OF EXISTING WATER MAINS IS TO BE COORDINATED, WITH
THE VILLAGE OF ASHALLE WATER DEPARTMENT FOREY-EART (48) HOURS PROR TO THE
SCHEDLED, WORK BEING PERFORMED, ALL ETFECTED CUSTOMERS SHALL BE NOTIFED BY
THE CONTRICTOR AT LEAST THEATY-FOUR (24) HOURS FRORT TO THE SHUT DOWN.

THE AZ WATER MANS SHALL BE DUCTILE ROW PIPE DESCRIP IN ACCORDANCE WITH THE LATEST REVISIONS OF A.N.S.I./A.W.W.A. C.150/A21.50 FOR A MINIAWA 150 FOR 160R PROJECT RECORDERINGS, WILLEUMORYER S GENERAL PARED MORNAMOR PRESSURE PULS A 100 FOR MINIAWA SINGE ALLOWANCE, A 2 TO 1 FACTOR OR SAFETY ON THE SIAM OF WORKING PRESSURE PULS SURGE PRESSURE.

THE LEGAL THE ROW PIPE SHULL BE WANLFACTURED IN THE U.S.A. IN ACCORDANCE WITH THE LUTERST REPRESENTED FASAL, PARKING CIST/PAILST. DOOR PIPE SHALL BE SUBJECT TO A HORDISTATIC PRESSURE TEST OF AT LEAST 500 PSI AT THE POINT OF WANLFACTURED.

PRE SHALL HAVE STANDARD ASPHALTIC COATING ON THE EXTERIOR PIPE SHALL ALSO HAVE A CEMENT MORTRE ON THE INTERIOR IN ACCORDANCE WITH A.N.S.I. /A.W.W.A. C104/A21.4 OF THE LATEST REMSION.

THE LACS OR NORMAL THONESS, NET WORLT WITHOUT LINNS, AND OSTING PERSON SMALL DE CIDARET MARKED ON EXCH. LEXISIO OF PPEL ADMINANCI, THE RESONANCE MANAGEMENT WHERE COST, TOO IT WHICH THE PPE MS PRODUCED, AND LETTING ANY ON "COLCILE" SMALL EXIST OF STANDED ON THE PIPE.

PLASTIC PIPE, A.W.W.A. C900 DR 18 FOR SIZES 4" TO 12" AND A.W.W.A. C905 DR OR SIZES 14" AND ABOVE MAY BE USED ONLY WHEN APPROVED BY THE VILLAGE D

MAL. IPMG THO (2) NOTICS OR LESS IN DUMETER RETIRED THE WATER MAIN AND THE CONTROL MADE CHEETER PET SHALL BE ANY POTRIBLE WATER RETIRECT THAN (CITS) COMPORANCE IN ALL RESPIETES TO ALLEJA, 2027/J., ARRIVADIO FAND RES SENDOMOS 41 COMPOSITION FOR CONTROL WATER AND CONTROL WATER AND CONTROL WATER AND CONTROL WATER AND CONTROL WATER.

THE LEG OWNER LINES SHALL TERMINATE WITH A TIBE INFORMET AND A WHICH MALVE OR THE 3/4 NICH MALVE OR SERVICE FOLLOWED BY SUFFICIENT LEMOTH OF WATER LINE TO RESIDENT HE WALK AND SHALL BE FOLLOWED BY A WAN LIKE HOUSE AND AN LIKE AND SHALL BE FOLLOWED BY A WAY LIKE THE SHAPE AND SHAPE OF THE SHAPE AND SHAPE OF WHICH LINES FLUOROD AND BLOCKED PART HE "SHAPE AND SHAPED DEWRINGS."

ALL MAN LINE VICINES, HIDRANT MATCH VALVES, CURB BOXES AND DEAD END LINES ARE TO BIT MANGED WITH A $4.744\,^{\circ}\mathrm{k}^{\circ}$ Det $10^{\circ}-0^{\circ}$ PRESSURE TREATED WIDDO POST WITH $4^{\circ}-0^{\circ}$ PROLECTION ADDVE THE FINISH GMODE AND THE TOP $1^{\circ}-0^{\circ}$ PROVIDED BLUE ON ALL FOUR (1) SIDES.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE HORIZONTAL AND VERTICAL DEFLECTIONS OB BENDS OF THE WATER LINES IN ACCORDANCE WITH THE MANUEL SPECIFICATIONS, DEFLECT WATER LINES TO PROVIDE 11-6" VERTICAL AND 10'-0" HORIZONTAL DLEARANCE FROM SINTERY AND STORM SEWERS.

##4_25

IF THERE ARE ANY CONFLICTS IN GRADE BETWEEN WATER LINES AND GRAVITY SEWERS,
THE WAVER LINES SHALL BE LOWERED DURING CONSTRUCTION. CLEARANCES STATED MUST
BY WANTENDY.

A PERMIT FOR EACH WATER SERVICE MUST BE OBTAINED FROM THE MILIAGE OF ASIMILE, PROR TO MAKING A CONNECTION TO THE WATER SERVICE INSTALLED AS PART OF THIS PROJECT AND PROR TO MAKING ANY ADDITIONAL TAPS INTO THESE WATER LINES.

THE LOW MO NOTE OF ALL MANUNE WATER VALVE BOXES SHALL BE PRINTED BILLE, AND THE CAPS AND NOTICE OF ALL THE INTOWAL BATE VALVE SOLDS SHALL BE POSSITED AND THE WATER SHAPE OF THE PRINTED BILLE OF A SHAPE OF THE PRINTED WATER SHAPE OF THE P

ALL GATE VAL (250) POUNDS OR APPROVED AWMA C509. GATE VALVES SHALL BE DUCTILE IRON RESILIENT WEDGE, TWO HUNDRED AND FFTY

) POUNDS PER SQUARE INCH (PSI), AS MANUFACTURED BY AMERICAN FLOW CONTRO

) PPROVED EQUINALENT WHICH MEETS OR EXCEEDS THE REQUIREMENTS OF ANSI /

WALVE BOXES ARE TO BE INLER 6500 SORDW TYPE FOR MAIN AND WAITCH WALVES WITH FORO F-1000 CORPORATION STOPS, AND TYLER 94E CURPS BOXES. WALVE BOXES ARE TO BE HEAVY DUTY IF LOCATED IN PANED AREAS. CONTROL, WALVES SHALL BE FORD Z44-333 WALVES.

184.30
WATER MAIN CLEANING AND FLUSHING SHALL CONFORM TO ITEM 801.11 CMSC.

THE ROLLS (AS REQUIRED IN SECTION 5 OF AWAYA C800) SHALL CONFORM TO THEM 801.12 CASC. 33, CHLORNATING OF COMPLETED PIPE LINE SHALL CONFORM TO THEM 801.13 CHSC.

FOR WATER SERVICE TAPS, WATER WAN CONNECTION SHALL BE MADE USING FORD COMPANIES SHALL BE FORD Z44-333 WAYES.

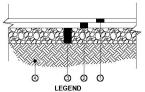
WHE 33
WHER SERVICE BOXES ARE TO BE LOCATED IN PAIRS ALONG PROPERTY LINES. B"-0"
APART AND 2" - 0" OUTSIDE OF THE RIGHT-0F-WAY LINE, WHENEVER PRACTICAL."

THE ALL WATER LINES SHALL BE TESTED (AWAR BOD) AND STERRIZED (AWAR CBS1) BY THE CONTRIVITOR IN ACCORDANCE WITH THE VALUES OF ASNALLE AND AWAR SPECIFICATIONS. ITSTANO SHALL BE DONE HARDE THE SPERMISSION OF THE VALUAGE ENGINEER OR HIS AUTHORIZED REPRESIDITATIVE AT THE CONTRACTOR'S EMPERSE.

THE METE PIT FOR SNOILE-FAMILY RESIDENTIAL APPLICATION, INCLIDING ALL PIPMG, TITINGS, EQUIPMENT, AND APPLITISMICS ARE SUBJECT TO APPROVA BY THE VILLAGE OF ASYMLE PROOF TO INSTILLATION. WHETE PITS UNMED TO BE PROVIDED FOR GRAVITY FLOOR DEAIN MUST BE INSTILLED IN A DEDICATED METER ROOM, GRAVITY DRAWS SHALL HAVE A REACTION PROPERTION INSTILLED.

THE PRESSURE REQUIRED TO PERFORM HYDROSTATIC TESTING ON WATER UMES MUST BE 150 PB FOR DOMESTIC LINES AND 200 PS FOR FIRE SUPPRESSION LINES (FER NPA 13), HYDROSTATIC TESTS (AS REQUIRED IN SECTION 5 OF AWAR C 800) SHALL CONFORM TO ITEM 801.12 CMSC.

CHLORINATION OF COMPLETED PIPELINE SHALL CONFORM TO ITEM 801.13 CWSC.GE OF ASSAULLE WATER DEPARTMENT FORTY-FICHT



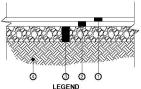
1 1/2" of Asphalt Concrete, Item 448 Surface Course, Type I

2 1/2" of Aspholt Concrete, Item 448 Intermediate Course, Type 1

3 10" Aggregate Base, Item 304

(4) Compacted Subgrade, Item 204

HEAVY DUTY ASPHALT PAVEMENT SECTION



1 1/2" of Aspholt Concrete, Item 448 Surface Course, Type I

(2) 1 1/2" of Asphalt Concrete, Item 448 Intermediate Course, Type 1

GENERAL NOTES

1. U-Type Flanged Steel
Sign Post. Set In
Conc. To A Min. Depth
Of 3'-0".

10440. A. 18"x12"x16 GA. Steel Handicap Sign B. 9"x12"x16 GA.

Steel Handicap Sign *NOTE: The characters and background

*NOLE: The characters and background of signs shall be eag-shell, matte or other non glare finish. Characters and symbols shall be controst with their background — either light characters on a dark background or dark characters on a light background.

NOTE: SIGN MAY ALTERNATIVELY BE AFFIXED TO SIDE OF BUILDING.

HANDICAP SIGN DETAIL

GENERAL NOTES

3 6" Aggregate Base, Item 304 (4) Compacted Subgrade, Item 204

5

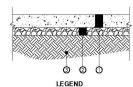
10440.B -

Note #1-

NOTE: Van accessible sign to be installed on minimum one sign.

| HANDED PRI | WA ACCESSED

LIGHT DUTY ASPHALT PAVEMENT SECTION

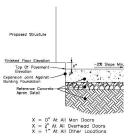


(1) 8" of Plain Portland Cement Concrete Pavement, Item 452

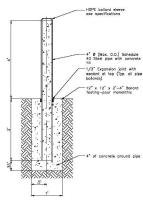
(2) 4" of Aggregate Base, Item 304

3 Compacted Subgrade, Item 204

DUMPSTER PAD/CONCRETE APRON SECTION



CONCRETE APRON ELEVATION DETAIL



BOLLARD DETAIL

Scale: Date: June 21, 2 roject E211020 3/8

Mark

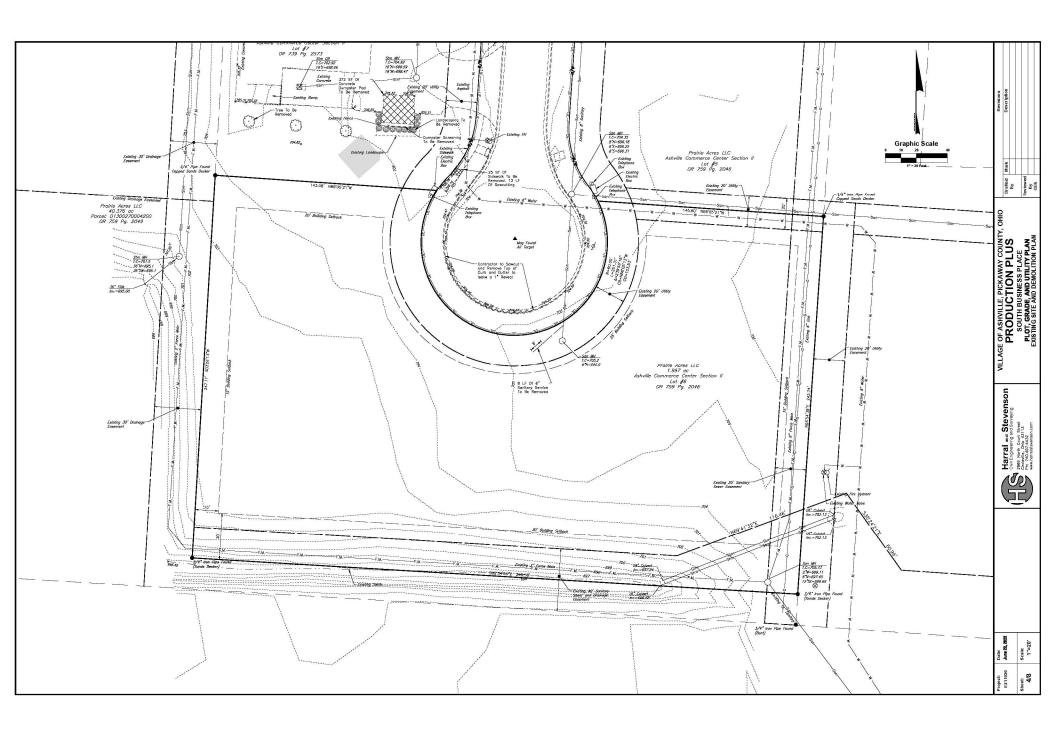
OHIO

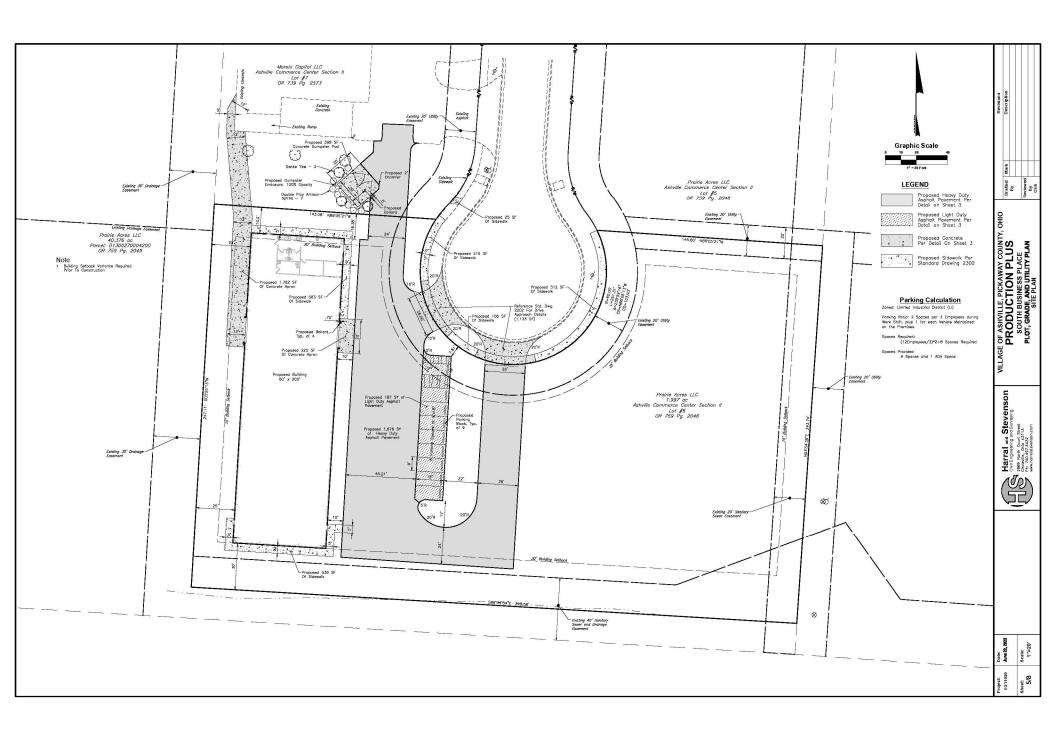
Drafted By seviewed By CES

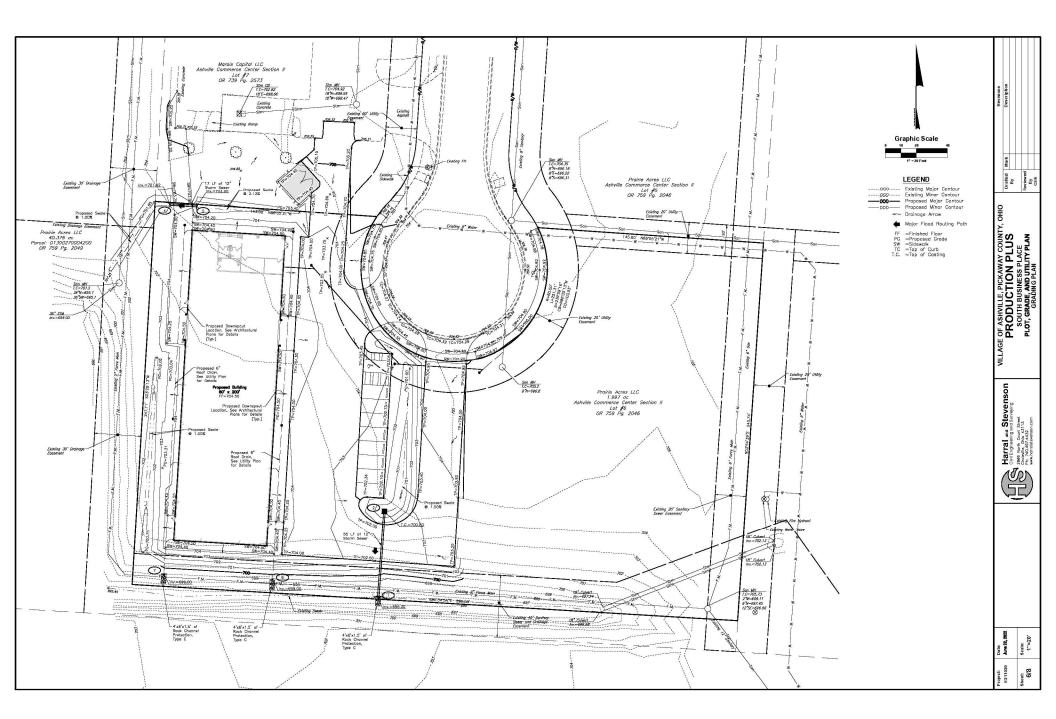
PRODUCTION PLUS
SOUTH BUSINESS PLACE
PLOT, GRADE, AND UTILITY PLAN
GENERAL NOTES AND DETAILS

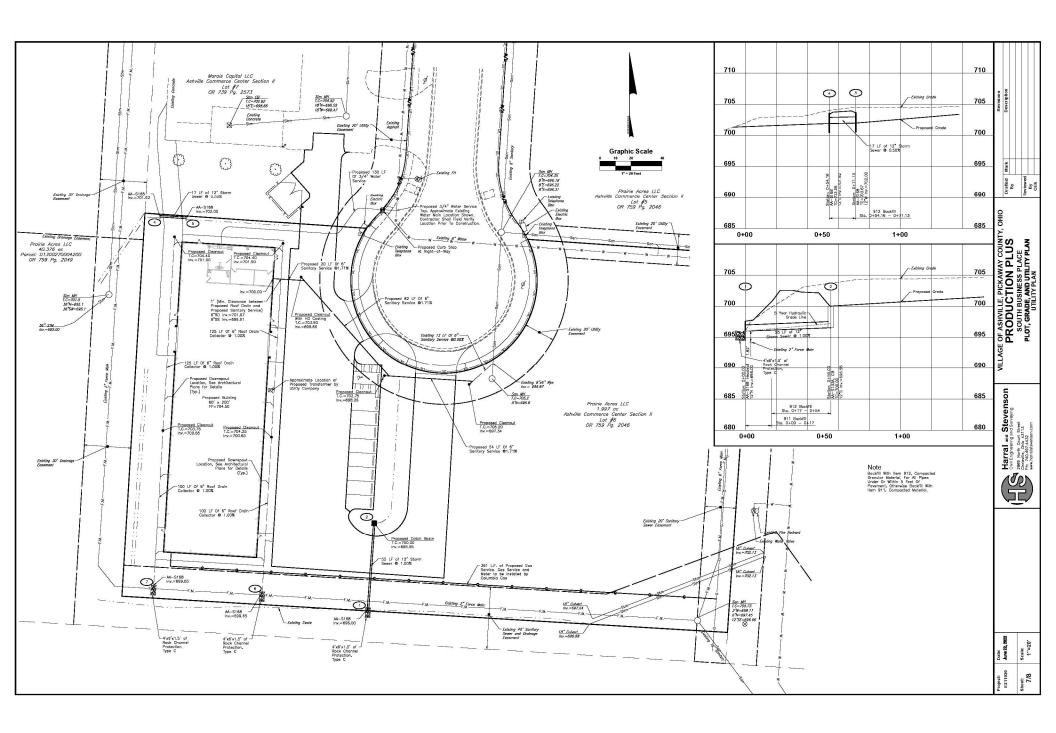
Harral and Stevenson
ONI Engineering sind Surveying
2.868 North Court Street
Circenile, Onle 43:13
Phr. 704, 63:1433
www.harrotelseweson.com 182

S









EROSION CONTROL

Narrative Developer Production Plus Corp Ashville Commerce Center

Type: Private Receiving Water: Mud Run

Development of an undeveloped lot with a building and parking, Regional detention water quality treatment provided affaite. Description:

July 2022 to November 2022 Total Site Area: 1.997 acres

Disturbed Area: 1.057 acres

Construction activity will consist of earthwork, paving, and utility installation Construction:

Erosion and sedimentation will be controlled through a combination of inl protection, silt fence, and seeding and mulching in appropriate areas.

Ko 0-2% Slopes, CrA 0-2% Slopes, MkB 2-6% Existing Soils:

Existing Site TBD

NOTES
Vegetative Practices Shall Be Initiated within 7 days for areas that have been disturbed that will remain dormant for 14 days or

Silt Fence To Be Placed In All Areas Indicated Prior To Commencement Of Work Where Applicable.

All Erosion And Sediment Control Measures Are To Be Inspected At Least Once Every 7 Days And Within 24 Hours After Any Storm event Greater Than 0.5 Inches Of Rain Per 24 Hour Period.

Upon Completion Of Construction The Entire Site Is To Be Permanently Seeded or Sodded per Alternate.

All Temporary Erosion And Sediment Control Measures Shall Be Maintained in Working Order Until Final Site Stabilization is Obtained, After These Controls Are No Longer Needed, They Shall Be Disposed Of Within 3D Days, Trapped Sediment Shall Be Permanently Stabilized in Prevent Further Erosion.

This Storm Water Pollution Prevention Plan is intended to Meet Or Exceed The Minimum Standards for Controlling Sources Or Follutions On This Construction Site As Set Forth Under The Ohio LPA NPUES Permit No. DH1CD000004 Which Requires Inc Use Of Guidelines For Best Management Practices.

Quidelines For Best Management Prociocs.

This Ersains Control gion has been prepared to affer a recommended Best Management Procise for The Improvements to be made. It shall be the responsibility of the Contractor to propre their own SWP3 plan prior to the commencement of work on the site and gain co-permit status with Ohio EPA under the general permit. No extra polyment will be made to the contractor for any work in connection with one seedimentations and erosian control. For the seeding the seed of the seeding the

All Storm sewer Inlets shall Be Protected So That Sediment-Lade Water Will Not Enter The Storm Sewer System Without First Being Filtered Or Otherwise Treated To Remove Sediment.

Filtered Or Otherwise Treated To Remove Sediment.

The controctor is esponsible for controlling asil trapilor, resulting from the operations a shall be the objective of the Controctor to control revoice initiation and where the work as set forth retries in not sufficient to control the Engineer may require additional activities when and where the work as set forth retries in not sufficient to control the effects of reroision, salicition, and will be control the effects of reroision, salicition, and will be control the effects of reroision, salicition, and will be control the effects of reroision, salicition, and will be commencement of construction of bosin, savies, powerent or building post, logical from the stockpile and the spread over the permanent seeding, appricultural lime, fertilizing, and mulching, seeding should be opplied the same day that grading operations are complete. All constructed slopes and cuts shall be seeded as each vertical interval of an orner than ten (10) feet is completed, and the seeding of the control of the con be applied at a rate of 100 pounds per 1000 square feet. It shall be enchanced with liquid aspinkt rapid curing (R.C. 70 250 or 800) at a rate of 0.04 gallons per square yard. When applied during the control of the c

This plan must be posted on-site. A copy of the SWPPP plan and the approved EPA Stormwater Permit (with the site-specific NOI number) shall be kept on-site at all times.

All erosion and sediment control practices are subject to field modification at the discretion of the City of Columbus and/or the Ohio EPA.

Street cleaning (on an as-needed basis) is required through the duration of this construction project. This includes sweeping, power cleaning and (if necessary) manual removal of dirt or mud in the street gutters.

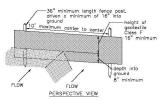
IMPLEMENTATION SCHEDULE

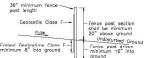
- -install Temporary Sedimentation Control Devices
 -Grade Site
 Seding and Mulching
 -Construct Bull Utilities
 -Install District Sedimentation Control Devices
 -Install Parking Lot
 -Remove Temporary Sedimentation Control Devices
 -Final Sedimentation on Mulching

TEMPORARY STABILIZATION			
AREA REQUIRING TEMPORARY STABILIZATION	TIME FRAME TO APPLY EROSION CONTROLS		
Any disturbed areas within 50 feet of a surface water of the State and not at final grade.	Within four days of the most recent disturbance if the area will remain idle for more than 21 days.		
For all construction activities, any disturbed areas that will be dormant for more than 21 days but less than one year, and not within 30 feet of a surface water of the State.	Within seven days of the most recent disturbance within the area. For residential subdivisions, disturbed areas must be stabilized at least seven days prior to transfer of permit coverage for the individual lot(s).		
Disturbed areas that will be	Prior to the onset of winter		

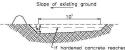
PERMANENT STABILIZATION				
AREA REQUIRING PERMANENT STABILIZATION	TIME FRAME TO APPLY EROSION CONTROLS			
Any areas that will lie dormant for one year or more.	Within seven days of the most recent disturbance.			
Any areas within bU feet of a surface water of the State and at final grade.	Within two days of reaching final grade.			
Any other areas at final	Within seven days of reaching final grade within that great			

NOTE: Where vegetative stabilization techniques may cause structural instability or are otherwise unobtainable, alternative stabilization techniques must be employed. These techniques may include mulching or erosion matting.

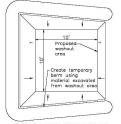




CROSS SECTION SILT FENCE DETAIL



a level 5" from the top of the pit it shall be removed and hauled to an acceptable disposal area



CONCRETE WASHOUT DETAIL



4'x6'x1.5' of Rock Channel Protection, Type C

Stabilized Construction Entrance

0

Proposed Building 60' x 200'

■ Dandy Sack

Concrete Washout



STORMWATER SUMMARY

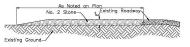
Predeveloped

30' Building Setbook

Postdeveloped

20' Orginoge Easement

7,891 2 2.334 7.669 3.610 11.342 10 3.153 10,162 4.580 14,333 25 4.442 14,082 6.039 18.883 17,437 22,679 50 5.543 7.239 100 6.756 21,161 8.532 26,817



STONE SIZE - No. 2 (2-1/2" to 1-1/2") or its Equivalent LENGTH - As effective, but not less than 50 feet

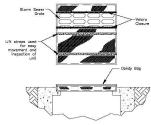
THICKNESS - Not less than eight (8) Inches

WIDTH - Not less than full width of all points of ingress or egress

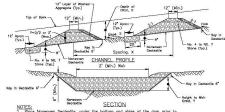
WASHING — When Necessary, wheels shall be cleaned to remove sediment prior to Entrance onto public Right-of-Way. When washing is required, it shall be done on or cest sloble with crushed shore which drains into an opproved sediment trap. All sediment shall be prevented from tentering any storm drain, ditch, or Watercourse through use of some bags, grey, bonds or other approved methods.

MAINTEMANCE — The entrance shall be mainteined in a condition which will prevent tracking or flowing of sediment onto public Right-of-Way. This may require periodic by dressing with additional stance as conditions demand and repoil and/or cleanout of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public Right-of-Way must be removed immediately.

STABILIZED CONSTRUCTION ENTRANCE



CATCH BASIN PROTECTION DETAIL



NOTES:

1. Rose Nomeworn Excitatility, under the bottom and sides of the dam prior to possessed it does . Construct the check does with weather 6 to 7 linch stame the store so that it complately everywer the width of the channel and channels banks. Form the web so that top of the outset something the control of the cont

- Remove occumulated sediment when it reaches one-half of the height of the weir crest. Maintain line, grade, and cross section.

ROCK DITCH CHECK DETAIL

AGE OF ASHVILLE, PICKAWAY COUNTY,
PRODUCTION PLUS
SOUTH BUSINESS PLACE
PLOT, GRADE, AND UILLY PLAN
STORM WATER POLLUTNY PLAN
STORM WATER POLLUTNY PLAN **Graphic Scale** Stevenson Harral and Steventh Engineering and Surve 2869 North Court Street Circleslie, Ohio 43113 Per 200,987432 www.harrolsteveneering (JP) 52 Date: roject E211020 9et:

Drafted By By ES

OHIO