ORCHARD STREET
SIDEWALKS
PAYNE, OHIO

INDEX OF SHEETS

SHEET #	DRAWING DESCRIPTION
C100	COVER SHEET
C101–C102	SITE PLAN
C103	GENERAL NOTES AND DETAIL SHEET
C104	DETAIL SHEET

LEGENDS

EXISTING LEGEND

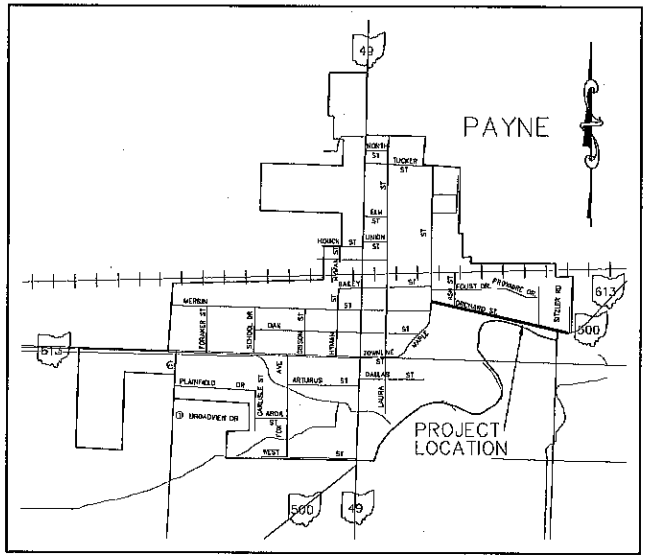
- 625 — EXISTING MAJOR CONTOUR
- 624 — EXISTING MINOR CONTOUR
- 973.65 — EXISTING SPOT ELEVATION
- R/W — RIGHT-OF-WAY
- EDGE OF PAVEMENT
- ST — EXISTING STORM SEWER
- SAN — EXISTING SANITARY SEWER
- WAT — EXISTING WATERLINE
- OE — EXISTING OVERHEAD ELECTRIC
- EXISTING TELECOMMUNICATIONS
- X — EXISTING FENCE LINE
- EXISTING CATCH BASIN
- EXISTING SANITARY MANHOLE
- EXISTING SANITARY CLEANOUT
- EXISTING DOWN SPOUT
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- EXISTING POWER POLE
- EXISTING ELECTRICAL TRANSFORMER
- EXISTING ELECTRIC MANHOLE
- EXISTING ELECTRIC METER
- EXISTING GUY WIRE
- EXISTING POST
- B101 — SOIL BORING
- P.K.S. — NAIL SET

PROPOSED LEGEND

- ST — PROPOSED STORM SEWER
- WAT — PROPOSED WATERLINE
- PROPOSED HALF-HEIGHT HEADWALL
- PROPOSED CATCH BASIN
- PROPOSED FIRE HYDRANT

GRADING LEGEND

- 625 — PROPOSED MAJOR CONTOUR
- 624 — PROPOSED MINOR CONTOUR
- 0.5% — PROPOSED SLOPE
- 976.00 — PROPOSED SPOT ELEVATION
- 976.00 — PROPOSED SPOT ELEVATION AT FACE OF CURB ADD 0.50' FOR TOP OF CURB ELEVATION
- DRAINAGE FLOW ARROW



LOCATION MAP
NO SCALE

STANDARD DRAWINGS

OHIO DEPARTMENT OF TRANSPORTATION

BP-4.1 DRIVEWAYS

SPECIFICATIONS

ALL MATERIAL AND CONSTRUCTION MUST MEET THE REQUIREMENTS OF THE VILLAGE OF PAYNE:

STORM SEWER

THE STANDARDS AND SPECIFICATIONS OF THE VILLAGE OF PAYNE AND THE OHIO DEPARTMENT OF TRANSPORTATION

WATERLINES

THE STANDARDS AND SPECIFICATIONS OF THE VILLAGE OF PAYNE AND THE OHIO ENVIRONMENTAL PROTECTION AGENCY

SANITARY SEWER

THE STANDARDS AND SPECIFICATIONS OF THE VILLAGE OF PAYNE AND THE OHIO ENVIRONMENTAL PROTECTION AGENCY

PAVEMENT

THE STANDARDS AND SPECIFICATIONS OF THE OHIO DEPARTMENT OF TRANSPORTATION

BENCHMARK

THE VERTICAL DATUM IS BASED ON NAVD88 AS OBSERVED FROM CONTINUALLY OPERATED BASE STATION MANAGED BY OHIO DEPARTMENT OF TRANSPORTATION.

THE COORDINATES ARE REFERENCED TO OHIO STATE PLANE GRID COORDINATES OH-N NAD83 (2011).

UTILITY LIST

ELECTRIC
AMERICAN ELECTRIC POWER
3280 N COLE STREET
LIMA, OHIO 45801
MICHAEL GREENWALT
(419) 570-5061
SEND PLANS TO: MJGREENWALT@AEP.COM

GAS
OHIO GAS COMPANY
715 E. WILSON STREET
PO BOX 528
BRYAN, OHIO 43506
KRIS HANDSHOE, GAS DISTRIBUTION ENGINEER
(419) 630-2235 EXT. 233
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TELEPHONE
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3126 N MCCORD ROAD
TOLEDO, OH 43617
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STORM, SANITARY AND WATER
VILLAGE OF PAYNE
119 NORTH MAIN STREET
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STATE OF OHIO
KENNETH A. MARK
PROFESSIONAL ENGINEER

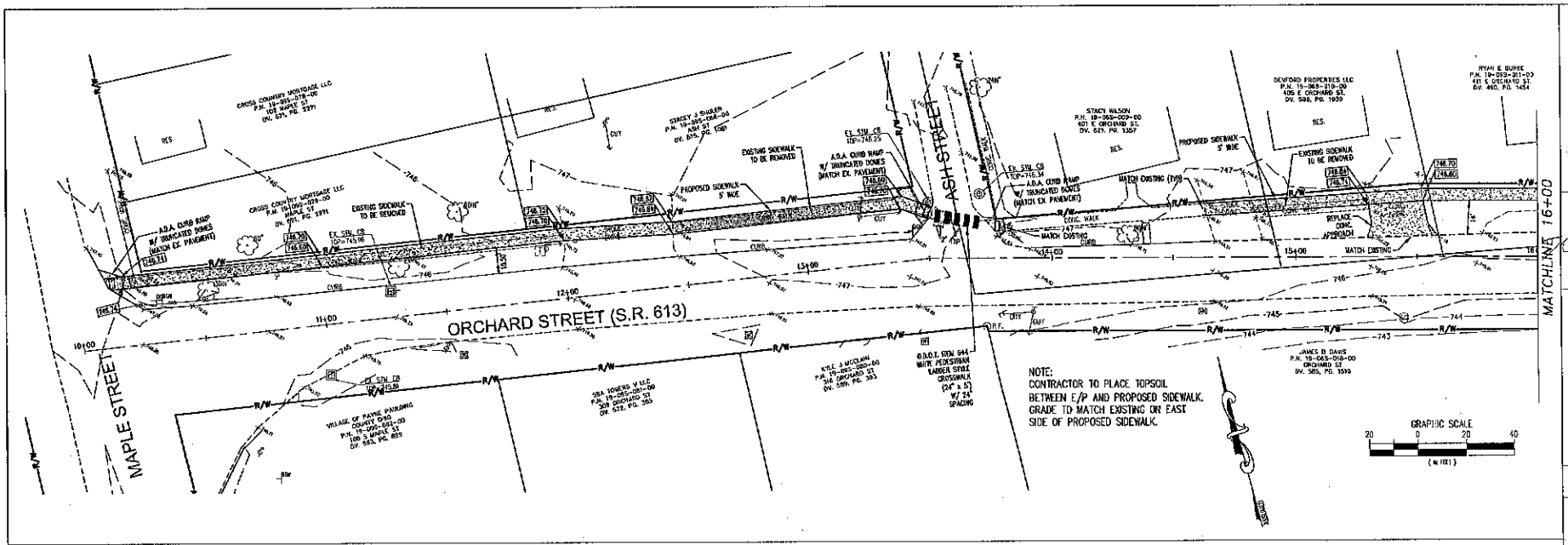
No.	Description	Date
1	REVISIONS	

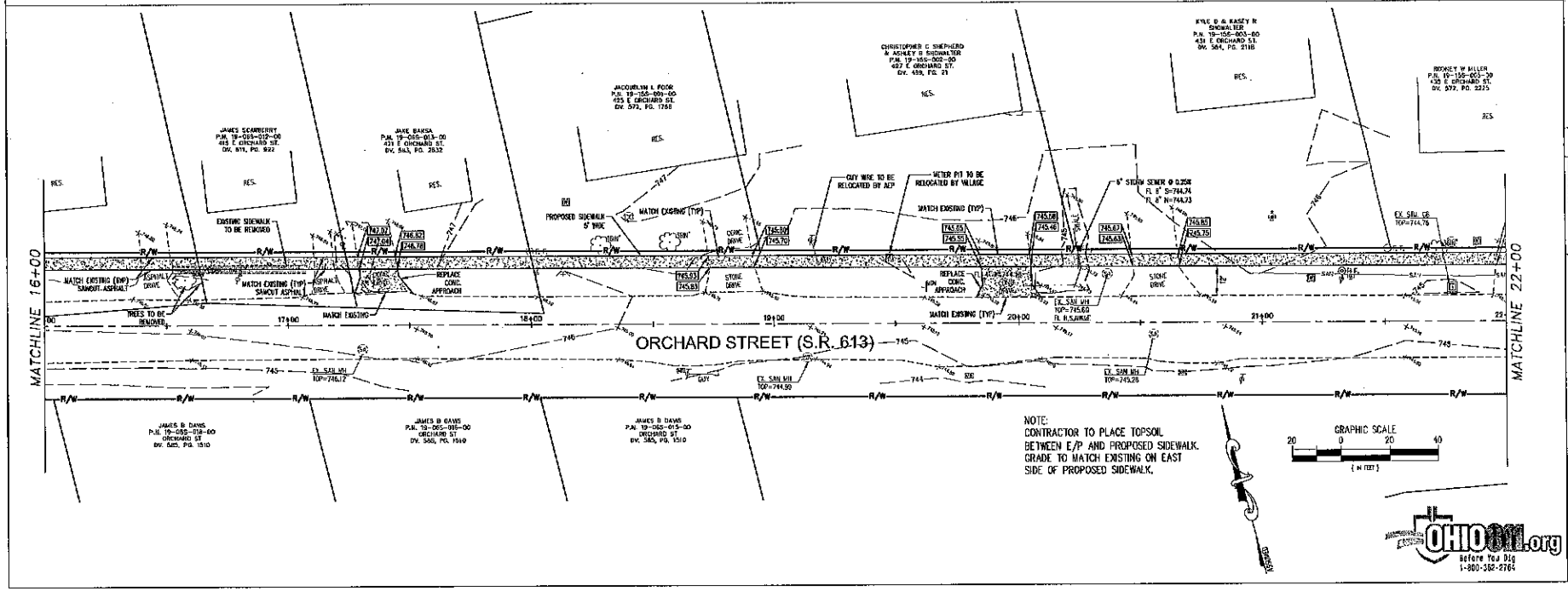
Scale: AS INDICATED
Date: 4/24/2025
Job No.: 20200086.001A
Designed by: NTH
Drawn by: KAM
Checked by:
Approved by:
Sheet: C100

Client: VILLAGE OF PAYNE, OHIO
Project: ORCHARD STREET SIDEWALKS
Drawing: COVER SHEET

C100

FILE No. L:\Village of Payne OH\20200086.001A\Village of Payne Orchard SW\Working\CAD\20200086.001A Projections 1983\20200086.001A-Neighborhood





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STATE OF OHIO
KENNETH J. MAY
E-73016
REGISTERED PROFESSIONAL ENGINEER

No.	Description	Date
	REVISIONS	

Scale AS INDICATED
Date
Job No.
Designed by
Drawn by
Checked by
Approved by
Status

Client VILLAGE OF PAYNE, OHIO

Project ORCHARD STREET SIDEWALKS

Drawing PLAN SHEET

C101

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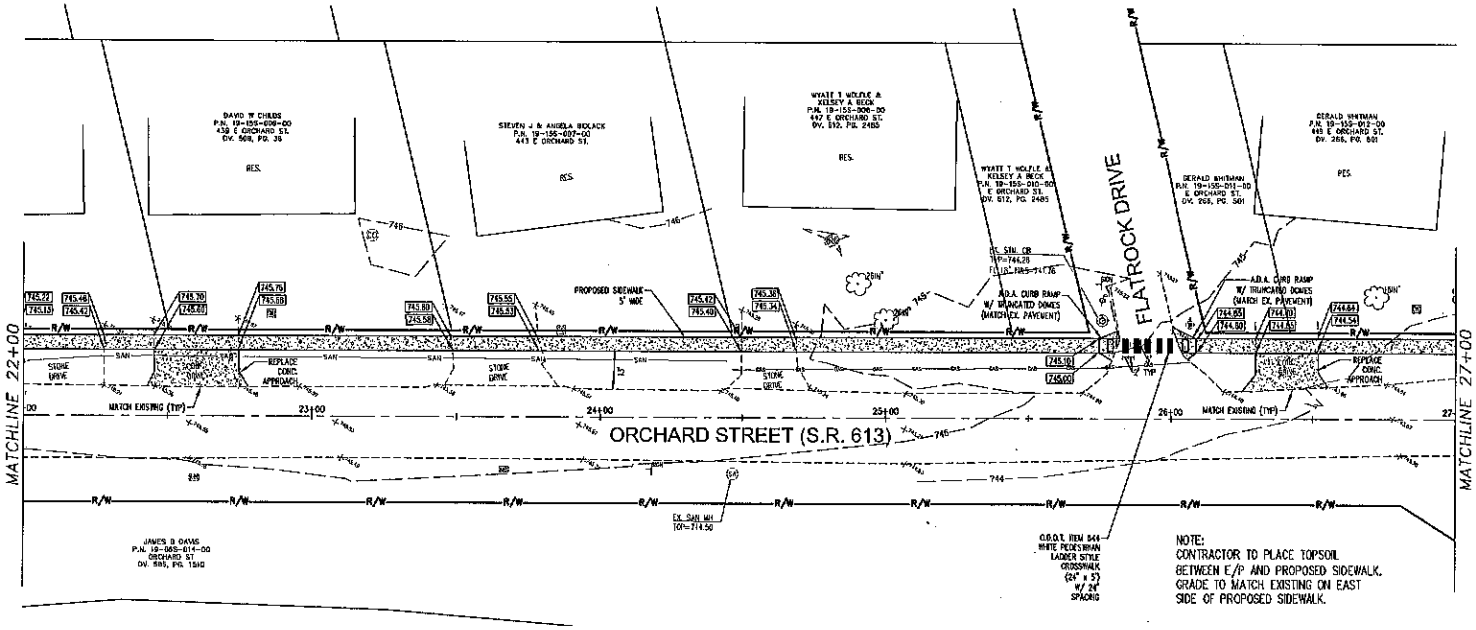
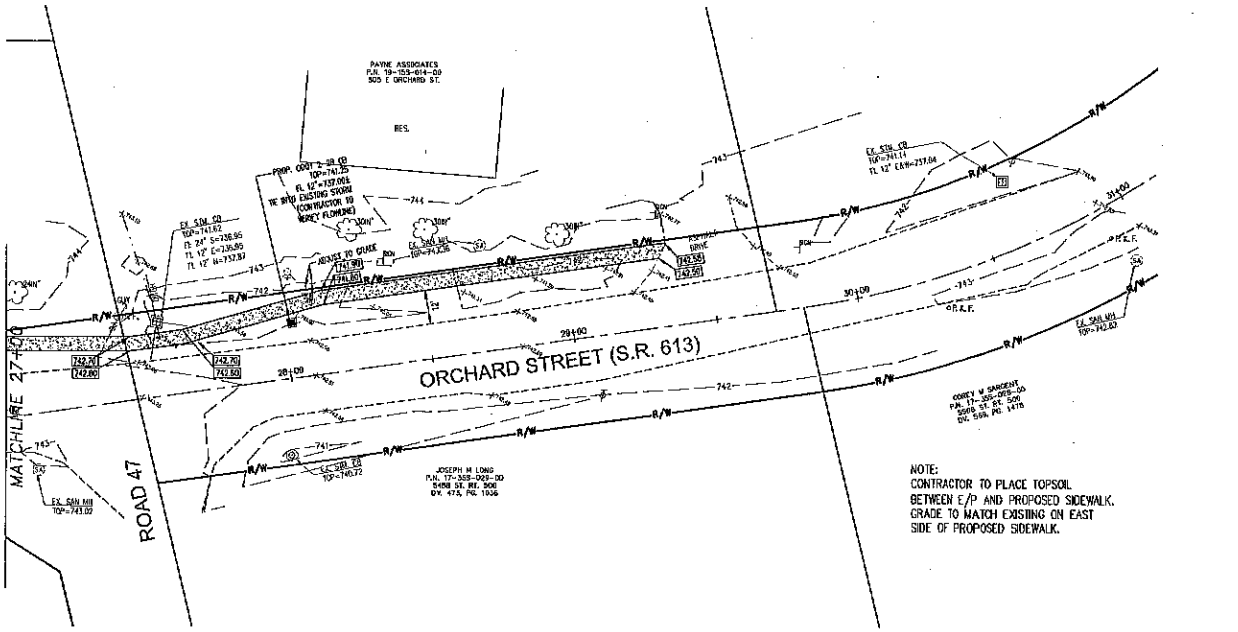
FILE No. L:\Village of Payne OH\2203\005\01\Village of Payne Orchard Sidewalks\CADD\C2\C101\005.DWG Project.dwg 05/22/25 09:37 ehohnsman





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STATE OF OHIO
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No.	Description	Date
	REVISIONS	

Scale: AS INDICATED
Date:
Job No.:
Designed by:
Drawn by:
Checked by:
Approved by:
Status:

Client: VILLAGE OF PAYNE, OHIO
Project: ORCHARD STREET SIDEWALKS
Drawing: PLAN SHEET

C102

FILE No. L:\Village of Payne OH\20200108.001\1-Village of Payne Orchard Sidewalks\CAD\20200108.001 K Project.dwg 05/22/25 Brian Kreitzer

SITE WORK SPECIFICATIONS

1. SUMMARY

A. WORK INCLUDES: SEEDING, SOD, SODDING, EROSION CONTROL, UNDERGROUND UTILITIES, PAVING, SITE RESTORATION, AND PROTECTION, AS AND AS SHOWN AND SPECIFIED.

B. CONSTRUCTION WORKS SHALL BE WITHIN OWNERS PROPERTY BOUNDARIES AND CONSTRUCTION REQUIREMENTS AS SHOWN ON DRAWINGS.

2. REGULATIONS

THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING, MAINTAINING, SUPERVISING AND COMPLYING WITH ALL PERSONAL OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), STATE AND LOCAL SAFETY REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAINING SIGNS, BARGE, SAFETY DEVICES, AND PROTECTIVE EQUIPMENT NECESSARY FOR THE PROTECTION OF PERSONS AND PROPERTY AFFECTED BY THE PROJECT AT ALL TIMES. SHEETING, BRACING, CRIBBING, ETC. MUST BE INSTALLED AND USED TO PROVIDE MAXIMUM SAFETY TO THE CONTRACTOR'S WORKERS IN THE EXCAVATION AND SURROUNDING. INADDITION, THE CONTRACTOR IS RESPONSIBLE FOR REQUIRING THE PROJECT TO PREVENT UNAUTHORIZED PERSONNEL FROM HAZARDOUS OR DANGEROUS CONDITIONS.

3. EXCAVATION AND EARTH WORKS

A. ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CONSTRUCTION STANDARDS AND SPECIFICATIONS OF THE STATE OHIO DEPARTMENT OF TRANSPORTATION LATEST EDITION AND CONSTRUCTION STANDARDS, UNLESS OTHERWISE NOTED. IN ADDITION, ALL WORK WILL BE IN COMPLIANCE WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AND REGULATIONS, UNLESS NOTED OTHERWISE.

B. THE CONTRACTOR SHALL FURNISH SUPERVISION, LABOR, MATERIALS, AND EQUIPMENT, AND SHALL PERFORM ALL WORK AND SERVICES NECESSARY TO COMPLETE IN A SATISFACTORY MANNER THE SITE PREPARATION, EXCAVATION, TRENCHING, COMPACTION, AND CONTROL AS SHOWN ON THE APPROVED AND ISSUED FOR CONSTRUCTION PLANS, AS DESCRIBED THEREIN.

4. CONSTRUCTION SURVEYING

A. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE OUTLINE LOCATION, ALIGNMENT, DEFINITION, AND GRADE OF ALL WORK SHOWN ON THE DRAWINGS AND SPECIFICATIONS.

B. THE CONTRACTOR SHALL USE COMPETENT PERSONNEL AND SUITABLE EQUIPMENT. IF NECESSARY, THE CONTRACTOR SHALL EMPLOY A REGISTERED ENGINEER OR SURVEYOR TO SUPERVISE THE WORK. ANY DISCREPANCIES FOUND IN SURVEY ANNOUNCEMENTS SHALL BE REESTABLISHED BY AN AND LICENSED PROFESSIONAL LAND SURVEYOR. COSTS SHALL BE THE CONTRACTOR'S RESPONSIBILITY.

C. VERIFICATION AND PROTECTION

1. VERIFY LOCATION OF SURVEY CONTROL POINTS PRIOR TO STARTING WORK. PROMPTLY NOTIFY OWNER OF ANY DISCREPANCIES FOUND. (SEE)

2. PROTECT OR RELOCATE SURVEY CONTROL POINTS PRIOR TO STARTING SITE WORK. IF ESSENTIAL PERMANENT REFERENCE POINTS ARE DISTURBED DURING CONSTRUCTION, ANY DISTURBED / REMOVED SURVEY MARKERS SHALL BE RE-ESTABLISHED BY AN AND LICENSED PROFESSIONAL LAND SURVEYOR. COSTS SHALL BE THE CONTRACTOR'S RESPONSIBILITY.

D. ELEVATION DATUM: ALL ELEVATIONS ARE BASED ON USGS DATUM (FEET IN ABSOLUTE).

5. PROTECTED GRAVEYARD

KEEP A DRAWING SET OF DRAWINGS AT JOB SITE THAT ARE MARKED TO SHOW LOCATION OF ITEMS CONSIDERED UPON COMPLETION OF WORK AND ALL CHANGES UNDER OWNER DIRECTION. DIMENSIONS FOR HORIZONTAL AND CONCEALED WORK AND DATUMS DERIVED FROM PERMANENT REFERENCE POINTS, BENCHMARKS, VERTICAL REFERENCES. SUBMIT THIS SET REGULARLY TO OWNER UPON COMPLETION OF WORK IN THE FORMAT SUPPLIED AS AUTOCAD DRAWINGS WITH PROJECT DRAWINGS FILES.

6. COORDINATION

A. THE CONTRACTOR SHALL COORDINATE THE SCHEDULING & COORDINATION FOR MATERIALS, EQUIPMENT, AND EMPLOYEE PAYMENTS WITH THE OWNER.

B. THE OWNER'S BUSINESS OPERATIONS SHOULD BE MAINTAINED AT ALL TIMES. CONSTRUCTION SCHEDULE AND TRAFFIC MAINTENANCE SHALL BE APPROVED BY THE OWNER.

7. UNDERGROUND UTILITIES

A. THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS HAVE BEEN OBTAINED FROM FIELD CHECKS, PRIOR TO INSTALLING UTILITY CONDUITS, AND SEARCHES OF AVAILABLE RECORDS. IT IS BELIEVED TO BE TRUE AND REASONABLY CORRECT BUT THE OWNER DOES NOT GUARANTEE THEIR ACCURACY OR COMPLETENESS.

B. THE CONTRACTOR IS RESPONSIBLE FOR THE DIVERSION LOCATION, TYPE & MATERIAL, DAMAGES, PROTECTION AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES (AND OTHER SHOWN ON THESE PLANS OR NOT). THE CONTRACTOR SHALL EXPOSE ALL UTILITIES OR STRUCTURES PRIOR TO CONSTRUCTION TO VERIFY THE VERTICAL AND HORIZONTAL EFFECT ON THE PROPOSED CONDUIT VENTS.

C. UTILITY NOTIFICATION AND SAFETY WORKING DURING RISK TO CONNECTING CONSTRUCTION OPERATIONS IN AND AROUND HAS INVOLVE UNDERGROUND UTILITY FACILITIES, THE CONTRACTOR SHALL NOTIFY THE FIRE CHIEF, THE UTILITY PROTECTION SERVICE AND THE OWNERS OF ANY UNDERGROUND UTILITY FACILITY SHOWN ON SITE PLANS.

D. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THE CONTINUITY OF SERVICE TO THE GENERAL UTILITY SYSTEMS AS SHOWN ON GENERAL PLAN OF SITE THE CONTRACTOR TO COORDINATE AND NEW CONNECTIONS ARE MADE AND CONNECTED TO THE VARIOUS SYSTEMS.

E. IF ABOVE UTILITIES ARE EXCAVATED BUT NOT SHOWN ON THE DRAWINGS, THE OWNER SHALL BE ADVISED BEFORE WORKS CONTINUE.

F. INACTIVE AND ABANDONED UTILITIES ENCOUNTERED IN EXCAVATION AND OPERATIONS OPERATIONS SHALL BE REPORTED TO THE OWNER. THEY SHALL BE REMOVED, PLUGGED OR CAPPED AS DIRECTED BY THE UTILITY COMPANY OR THE ENGINEER.

G. CONNECTIONS FOR DESIGNED PIPE: WHERE THE PLANS PROVIDE FOR PROPOSED CONDUIT TO BE CONNECTED TO ONE OF EXISTING OVER OR UNDERGROUND CONDUITS SEWER, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INVESTIGATE THE EXISTING PIPE DETAILS TO ALIGN AND GRADE BEFORE HE STARTS TO LAY THE PROPOSED CONDUIT.

H. MAINTENANCE OF SEWER FLOW: THE CONTRACTOR SHALL SCHEDULE HIS OPERATIONS SO AS TO MAINTAIN AT ALL TIMES SEWER FLOWS THROUGH EXISTING FACILITIES.

I. ALL NEW CONDUITS, INLETS, CATCHBASINS, AND MANHOLES CONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT IS ACCEPTED.

8. REPAIRS

ADDITIONAL OF EXISTING PAVEMENT SHALL BE ACCOMPLISHED BY SAWCUTTING IN A NEAT, STRAIGHT LINE TO PROVIDE A STRAIGHT VERTICAL SURFACE. FOR A SMALL PATCH SET TO ENSURE THAT THE JUNCTION BETWEEN NEW AND EXISTING PAVEMENT IS ALIGNED AND MADE HAND MUSTER TO ENSURE A CONTINUOUS BOND. CLEAN THE AREA APPLY A TACK COAT JUST PRIOR TO PLACING NEW ASPHALT PAVEMENT. THE NEW PAVEMENT SHALL SECTION SHOWN ON THE PLANS. FOR CONCRETE, WHATEVER APPLY A BONDING AGENT JUST PRIOR TO PLACEMENT OF CONCRETE. PREPARE FOR THE SECTION THEREPLACE.

9. PROTECTION

A. PROTECT IMPROVEMENTS ON SITE AND ON ADJOINING PROPERTIES. PROVIDE BARRICADES, COVERINGS, OR OTHER FORMS OF PROTECTION AS NECESSARY TO PREVENT DAMAGE AND TO SATISFY LOCAL AGENCY'S REQUIRE. RESTORE TO ORIGINAL CONDITION ANY SITE DAMAGED BY THE WORK OR IMPROVEMENTS WHICH REQUIRES TEMPORARY REMOVAL DURING CONSTRUCTION.

B. THE CONTRACTOR SHALL PROVIDE SHORING, BRACING, LATERAL SUPPORTS, ETC. AND TAKE WARRANTY PRECAUTIONS NECESSARY TO PREVENT THE DISTURBANCE OF ADJACENT SITE TOW FOUNDATIONS AND MAINTAIN THE STRUCTURAL INTEGRITY OF EXISTING STRUCTURES.

C. THE CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION AGAINST DAMAGE TO ALL EXISTING UTILITIES, STRUCTURES, AND COMPLETED PORTIONS OF THE WORK, AND TO PREVENT INJURIES TO PERSONS. IT SHALL BE THE CONTRACTOR'S OTHER RESPONSIBILITY TO MAINTAIN THE INTEGRITY OF ALL UTILITIES, STRUCTURES, AND ABUTTING PROPERTIES. THE COST OF ANY REPAIR OR REPLACEMENT OF DAMAGED ITEMS SHALL BE BORNE BOTH BY THE CONTRACTOR. THE CONTRACTOR SHALL MAINTAIN FULL RESPONSIBILITY FOR ALL METHODS, MEANS AND PROCEDURES RELATED TO CONSTRUCTION.

10. TRAFFIC CONTROL

A. FURNISH AND MAINTAIN CONSTRUCTION BARRICADES AND TRAFFIC CONTROL DEVICES WHEN WORKING IN AREAS OPEN TO TRAFFIC. BARRICADES AND TRAFFIC CONTROL DEVICES SHALL COMPLY WITH STATE DOT STANDARDS.

B. THE CONTRACTOR SHALL KEEP EMERGENCY STREETS, ROADS, DRIVES, AND BUILDING ENTRIES CLEAR OF DIRT, DEBRIS AND EQUIPMENT.

C. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ROADWAYS, DRIVES AND BUILDING ENTRANCES AT ALL TIMES DURING CONSTRUCTION.

11. CLEARING AND GRUBBING

A. THIS WORK SHALL CONSIST OF ALL CLEARING AND GRUBBING, REMOVAL OF EXISTING STRUCTURES UNLESS OTHERWISE STATED, PROPER AND APPROVED DISPOSAL OF MATERIALS NOT REQUIRED FOR THE PROJECT, PRESERVATION OF TREES AND TREE PILES, PLACING OF THE LAND, STRIPPING AND COLLECTION OF THE FILL, AND ALL SUBSIDIARY WORK NECESSARY TO COMPLETE THE GRADING OF THE CUT AND FILL AREAS TO CONFORM WITH THE LINES, GRADES, & OPTIONAL DESIGNATIONS.

B. SUBSURFACE CONDITIONS: PRIOR TO BEGINNING THE WORK, THE CONTRACTOR SHALL EXAMINE INVESTIGATE, AND INSPECT THE CONSTRUCTION AREAS TO THE NATURE AND LOCATION OF THE WORK AND THE GENERAL AND LOCAL CONDITIONS AT THE CONSTRUCTION SITE. INCLUDING WITHOUT LIMITATION, THE CHARACTER OF SURFACE OR SUBSURFACE CONDITIONS AND OTHER FACTORS TO BE ENCOUNTERED ON AND AROUND THE CONSTRUCTION SITE, AND SHALL MAKE SUCH ADDITIONAL INVESTIGATION NECESSARY FOR THE PLANNING AND PROFESSIONALISM OF THE WORK.

C. REMOVE TREES, STUMPS, SHRUBS, BRUSH, BRUSH, HEAVY GROWTH OF GRASS, WEED AND OTHER VEGETATION, IN PRESERVING, PLACING AND REMOVING, AND DISPOSITION THAT INTERFERES WITH PROPER CONSTRUCTION, REMOVE IT BY ENTIRELY AS NECESSARY FOR COMPLETION OF TRENCH.

D. CUT BRUSH AND VEGETATION FLUSH WITH GROUND. GRUB OUT STUMPS, AND ROOTS TO NO A DIAMETER OF 2" OR LARGER, AND ROOT OBJECTIVES, TO A DEPTH OF AT LEAST 24 INCHES AND REMOVE BURIED OBJECTS SUCH AS FOUNDATIONS, STRUCTURES, AND BUILDING ROOTS AND BELOW GROUND SURFACE IN OTHER AREAS.

12. TOPSOIL STRIPPING

A. STRIP TOPSOIL FROM PROJECT AREA TO DIMENSIONS PRIOR TO CONSTRUCTION. PREVENT INTERMIXING WITH UNDERLYING SUBSOIL OR OTHER DEBRIS. REMOVE UNSUITABLE MATERIAL, REMOVE HEAVY GROWTH OF GRASS, SEEDS, AND OTHER STRIPPING TOPSOIL.

B. STOCKPILE TOPSOIL IN STORAGE PILES IN AREAS AS DESIGNATED BY OWNER. CONSTRUCT STOCKPILE PILES SO THAT FREE DRAIN SURFACE WATER. COVER OR SPRINKLE WATER ON STORAGE PILES TO PREVENT WIND BLOWN DUST.

13. EARTHWORK AND GRADING CONSTRUCTION

A. ALL EARTH AND GRADING SHALL BE IN ACCORDANCE WITH THE CONSTRUCTION STANDARDS AND SPECIFICATIONS OF THE STATE DEPARTMENT OF TRANSPORTATION LATEST EDITION.

B. THE EARTHWORK OPERATIONS SHALL BE CLOSELY SUPERVISED AND INSPECTED.

C. THE GRADING AND CONSTRUCTION OF THE SITE IMPROVEMENTS SHALL NOT CAUSE PONDING OF STORMWATER. ALL AREAS ADJACENT TO DRAINAGE WATERWAYS SHALL BE GRADED TO ALLOW POSITIVE DRAINAGE.

D. THE PROPOSED GROUND ELEVATIONS SHOWN ON THE PLANS ARE FINISHED GRADE, EXCEPT FOR AREAS AS DESIGNATED FOR FUTURE DEVELOPMENT.

E. THE SELECTED FILL MATERIAL SHALL BE IN A CONDITION WHICH WILL REACH THE COMPACTED THICKNESS IN APPROXIMATELY 8 INCHES LAYERS. EACH LAYER SHALL BE THOROUGHLY WORKED DURING SPREADING TO INSURE UNIFORMITY.

F. THE SURFACE PREPARATION, TOPSOIL, AND ANY OTHER DEBRIS UNDERLYING SOIL SHOULD BE STRIPPED FROM ALL AREAS TO RECEIVE FILL. IF THE UNDERLYING SUBGRADE IS NOT DEEPER THAN ONE FOOT (1'), ABOVE THE CONSTRUCTION PRESENTLY ONE OR THE MAXIMUM CURRENT EXCEEDS THAT REQUIRED PERTAINING TO CONDITIONS. THE SOIL SHALL BE SCARIFIED, DRIED AND RE-COMPACTED TO AND THE PERCENT (95%) OF MODIFIED PROCTOR WITH INDIVIDUAL PAD AND PAVEMENT AREAS.

IF UNSUITABLE BEARING SOIL SHALL BE REMOVED FROM BENEATH PROPOSED FOOTINGS. EXCAVATION SHALL EXTEND A MINIMUM 1 FT BEYOND FOOTINGS FOR FOUNDATION, A DISTANCE AND EXTENDED, TO THE DEPTH OF AN ONE FOOT (1') BELOW FOOTING BASE. THIS PROCEDURE SHALL ALSO APPLY WHERE A RAISED STRUCTURAL PAD IS CONSTRUCTED TO ACHIEVE A DESIGNED ELEVATION GREATER THAN THE EXISTING GRADES.

UNSUITABLE MATERIAL IS EXCAVATED ORGANICS, PEAT, MUCK, SOFT, AND LOOSE SOILS, BY OVERLAND PREVIOUS, BUT NOT LIMITED TO, TREES, SOD, BOULDERS, REMNANTS OF PREVIOUS CONSTRUCTION, AND OTHER UNSUITABLE MATERIALS FROM BENEATH PROPOSED FOUNDATIONS, BASES, PAVEMENTS, AND DETENTION POND BASES. THE COST OF THIS WORK SHALL BE INCLUDED IN THE BASE BID OF THE PROJECT.

ALL UNSUITABLE MATERIAL AND ALL SURPLUS EXCAVATED MATERIAL NOT REQUIRED SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR. THE LOCATION OF DUMP AND REMOVAL OF THE SHALL BE THE CONTRACTOR'S RESPONSIBILITY UNDER THE OWNER'S APPROVAL PRIOR TO DISCONTINUED FROM SITE. AN ADDITIONAL EROSION AND SEDIMENT CONTROL PLAN THAT MUST BE SUBMITTED AND ARE ADDITIONAL INSPECTIONS TO THE PROJECT.

C. TOLERANCE FOR REMOVE TO NEGLECT GRADE OVERHEAD ITEMS SHALL BOX OFF, ABOVE OR LOW ESTABLISHED GRADE. TOLERANCE FOR AREAS TO RECEIVE TOPSOIL SHALL BE 0.5FT. MORE OR LESS OF ESTABLISHED GRADE.

D. THE SUBGRADE FOR PAVEMENT AREAS SHALL BE PROOF-ROLLED BY THE CONTRACTOR AND ANY UNSUITABLE AREAS DISCOVERED SHALL BE PRUNED AND REPLACED AS DIRECTED BY THE ENGINEER.

SUBGRADE PRIOR TO FILLING PRIOR ROLL EXPOSED SUBGRADE TO DENSITY BEARING WHICH MAY BE ACCEPTABLE IF DESIGNED BY APPROPRIATE FIELD PRACTICE AND COMPACTION TECHNIQUES. SUBGRADE FOR FOUNDATIONS, BASES, PAVEMENTS, AND FILL SHALL BE APPROVED BY THE ENGINEER.

E. UPON COMPLETION OF THE SITE WORK, REMOVE WASTE. THE CONTRACTOR SHALL RE-SPREAD A MINIMUM OF THREE INCHES (3") OF TOPSOIL ON ALL DISTURBED AREAS.

F. BACKFILL: PLACE FILL OR BACKFILL ADJACENT TO STRUCTURES IN A MANNER TO PREVENT DAMAGE AND ALIGNED STRUCTURES TO ADJUSTED SLOPE GENERALLY AND UNIFORMLY, AT ABOVE WHERE SAME RATE OF FILL, BACKFILL FOUNDATION WALLS AND BEHIND RETAINING WALLS FOR A LATERAL DISTANCE OF AT LEAST 5 TO 1 FT. OR FOR A DISTANCE AT LEAST EQUAL TO 1/2 OF THE HEIGHT OF ACCORDING WHICHEVER IS GREATER, SHALL BE WELL COMPACTED, FREE OF ANY FROZEN MATERIAL.

DO NOT BACKFILL PIPE OR OTHER STRUCTURE IN A MANNER TO PREVENT SURFACE WATER AND GROUND WATER FROM FLOWING INTO THE AREA. PROMPTLY REMOVE WATER FROM EXCAVATIONS USING PUMPS, SUMPS, AND DRAINTERING SYSTEM COMPONENTS NECESSARY TO DRAIN THE TRENCH AND EXCAVATIONS. COMPLY WITH ANY REGULATIONS EXCAVATIONS AND TRENCHES FOR CONSTRUCTION OF STRUCTURE OF PIPES. PROVIDE AND MAINTAIN TEMPORARY DRAINAGE DITCHES. IF UNCOVERED AND OPEN SECTION OF DRAIN TILE EXCAVATION, NOTIFY OWNER'S CONTRACTOR, ENGINEER BEFORE PROCEEDING. WHEN POSSIBLE MAINTAIN EXISTING DRAIN TILE OR REPLACE IN KIND WITH STANDARD BOREHOLE.

14. STORM SEWER

A. PIPE

CONNECTION FOR EXISTING PIPES SHALL BE DIMENSION FOR HOLE COLLARS.

PVC PIPE: 12" DIAMETER AND SMALLER SHALL MEET THE LATEST REQUIREMENTS OF ASTM-F-794, WITH A MINIMUM UNIFORM THICKNESS OF 0.125 IN. MEET THE LATEST REQUIREMENTS OF ASTM-F-679, WITH A MINIMUM UNIFORM THICKNESS OF 0.125 IN. MEET THE LATEST REQUIREMENTS OF ASTM-D-3034, SDR 35 (THIN WALL). PIPE SHALL HAVE A MINIMUM CELL CLASSIFICATION OF 12454B, 12454C OR 12454A PER ASTM D-1784.

PVC PIPE: 18" DIAMETER AND LARGER AND NOT OTHERWISE SPECIFIED, SHALL MEET THE LATEST REQUIREMENTS OF ASTM-F-794, WITH A MINIMUM UNIFORM THICKNESS OF 0.125 IN. OR MEET THE LATEST REQUIREMENTS OF ASTM-F-679, WITH A MINIMUM UNIFORM THICKNESS OF 0.125 IN. PIPE SHALL HAVE A MINIMUM CELL CLASSIFICATION OF 12454B, 12454C OR 12454A PER ASTM D-1784.

ALL PVC PIPE SHALL BE APPROPRIATELY MARKED FOR THE PURPOSE OF IDENTIFICATION AND SHALL BE SUBJECT TO INSPECTION AND REJECTION AT THE FACTORY, TRENCH OR OTHER PLACE OF DELIVERY.

ALL PIPE SHALL BE OF THE UNIVERSAL BELL AND SPIGOT GASKETED JOINT TYPE. THE JOINTS SHALL BE FURNISH TYPE MEETING THE REQUIREMENTS OF ASTM D-3212 AND THE JOINT SHALL BE DESIGNED TO PREVENT DISPLACEMENT OF THE GASKET WHEN ASSEMBLING THE JOINT.

THE PIPE SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D-2321 AND WITH THE REQUIREMENTS OF THESE SPECIFICATIONS. ANY REQUIREMENTS OF ASTM D-2321 WHICH MAY BE IN CONFLICT OR INCONSISTENT WITH THE REQUIREMENTS OF THESE SPECIFICATIONS SHALL BE VOID TO THE EXTENT OF SUCH CONFLICT OR INCONSISTENCY.

THE ENDS OF ALL PIPES OR PIPE THAT WILL BE PLACED IN MANHOLES SHALL BE PROVIDED WITH A FACTORY INSTALLED OVERSLEEVE. FIELD INSTALLED OVERSLEEVES SHALL NOT BE PERMITTED.

B. PIPE PIPE

HIGH DENSITY POLYETHYLENE (HDPE) PIPE SHALL ONLY BE USED FOR GRAVITY STORM SEWER OR DRAINAGE TILE PIPE LOCATION. IT SHALL BE MANUFACTURED FOR THE PURPOSE OF INSTALLATION AND SHALL BE BUILT TO INSPECTION AND REJECTION AT THE FACTORY, TRENCH OR OTHER POINT OF DELIVERY. ACCEPTABLE PIPE BUILT SHALL BE OF GENESIS.

HDPE PIPE SHALL HAVE A SMOOTH INTERIOR AND ANNULAR CORRUGATED EXTERIOR. PIPE 18" AND SMALLER SHALL HAVE AN HDPE PIPE AND THE VIRGIN MATERIAL SHALL CONFORM TO THE MINIMUM REQUIREMENTS OF CELL CLASSIFICATION 424420C. PIPE 24" AND LARGER SHALL MEET ASTM F894, TYPE 3 OR ASTM F2306 AND THE VIRGIN MATERIAL SHALL CONFORM WITH THE MINIMUM REQUIREMENTS OF CELL CLASSIFICATION 424420C. CELL CLASSIFICATIONS SHALL NOT PER ASTM D3350 EXCEPT CHROMOPHORE CONTENT SHALL NOT EXCEED 0.3%.

PIPE JOINTS SHALL MEET THE REQUIREMENTS OF ASTM D3212. USING OR ASTM F2306. JOINTS SHALL BE WATERTIGHT MEETING THE REQUIREMENTS OF ASTM D3212 AND SHALL BE INSTALLED BY THE MANUFACTURER AND CONSIGNED WITH A PRE-PRIMARY STRIP. JOINT LUBRICANT PROVIDED BY THE PIPE MANUFACTURER SHALL BE USED FOR THE COUPLER AND BELL. TRENCH, HEADER AND LARGER PIPE SHALL HAVE A PRE-PRIMARY STRIP AREA TO ALLOW FOR ENGAGEMENT BY THE MANUFACTURER.

PIPE SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321 AND THE MANUFACTURERS GUIDELINES. MINIMUM COVER FOR TRAFFIC AREAS FOR 4" THROUGH 48" PIPE SHALL BE 30", MINIMUM COVER FOR NON TRAFFIC AREAS TO BE CONSIDERED.

THE STORM DRAINAGE SYSTEM SHALL BE FLUSHED BY THE CONTRACTOR PRIOR TO ACCEPTANCE BY OWNERS

INSPECTION AND TESTING. CONTRACTOR SHALL PERFORM THE FOLLOWING INSPECTIONS AND TESTS IN PRESENCE OF ENGINEER:

1. SEAMAGE INSPECTION. STORM SEWERS SHALL BE INSPECTED FOR EXCESSIVE INFILTRATION AND ANY LEAKAGE. CONTRACTOR SHALL REPAIR ALL SAND SEAMS AND INFILTRATION LEAKS WHICH MAY CAUSE A CONTINUED MAINTENANCE PROBLEM.

2. ALIGNMENT AND GRADE: CHECK ALIGNMENT AND GRADE BY LAMPING METHOD. IF PIPE SHOWS POOR ALIGNMENT, OFFSET OR GRADE, CORRECTS, SAGS, CRIMPS, DEFECTS SHALL BE CORRECTED BY CONTRACTOR BEFORE PLACE ACCEPTANCE. PIPELINE SHALL BE RELAID IF UNAPPROVED BE VISIBLE BETWEEN ADJACENT MANHOLES.

3. DEFLECTION TEST: DEFLECTIONS IN FLEXIBLE PIPE: PIPE SHALL BE LIMITED TO SIX PERCENT OF NOMINAL PIPE DIAMETER. IF USUAL INSPECTION INDICATES A GREATER DEFLECTION, CONTRACTOR SHALL SUPPLY AND PULL A RIGID TYPE MANDREL, NO NOT LESS THAN NOMINAL PIPE SIZE THROUGH SEWER. FAILURE TO PASS A PIPE THROUGH SHALL BE CAUSE FOR REJECTION OF SEWER.

15. TRAFFIC SIGNS

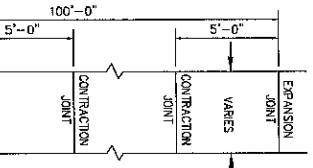
ALL TRAFFIC SIGNS SHALL COMPLY WITH THE PUBLIC RIGHT STATE AND LOCAL REQUIREMENTS FOR THE SIGN TYPES, DESIGNATIONS AND DRAWINGS.

16. SEEDING

DISTURBED AREAS (EXCLUDING PAVEMENT AND BUILDING AREA) SHALL RECEIVE MINIMUM 4 INCHES OF SALVAGED TOPSOIL, FERTILIZER, LIME, SEED, AND MULCH. SEED TO BE APPLIED AT THE RATE OF 1 POUND PER 1,000 SQUARE FEET. FOR SLOPES AREA BE SEEDED AT THE RATE OF 2 POUNDS PER 1,000 SQUARE FEET.

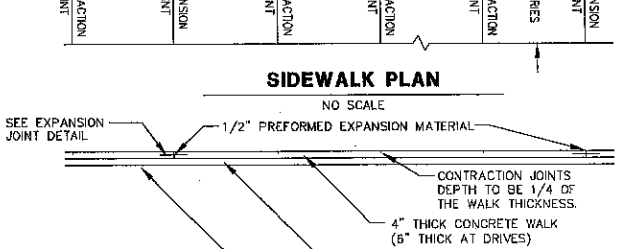
17. DISPOSAL

HANDLE FOREIGN MATERIALS PROPERLY AND LEGALLY DISPOSE OF EXCESS EXCAVATED MATERIAL, TRASH, DEBRIS, AND WASTE MATERIALS.



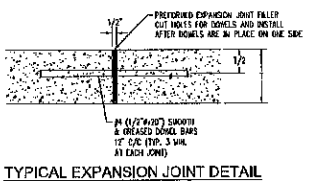
SIDEWALK PLAN

NO SCALE



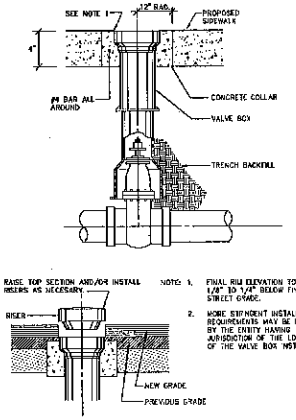
SIDEWALK SECTION

NOTE: EXPANSION JOINTS SHALL ALSO BE CONSTRUCTED ALONG ALL PERMANENT HARD SURFACES I.E. BUILDINGS, CURBS, RAMPS, ETC.



TYPICAL EXPANSION JOINT DETAIL

NOT TO SCALE



NOTES:
1. FINAL RIM ELEVATION TO BE 1/8" TO 1/4" BELOW FINAL STREET GRADE.
2. MORE STRINGENT INSTALLATION REQUIREMENTS MAY BE IMPOSED BY THE ENTITY HAVING JURISDICTION OF THE LOCATION OF THE VALVE BOX INSTALLATION.

VALVE BOX ADJUSTMENT

NOT TO SCALE

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STATE OF OHIO
KENNETH A. SAYRE
No. 75386
REGISTERED PROFESSIONAL ENGINEER

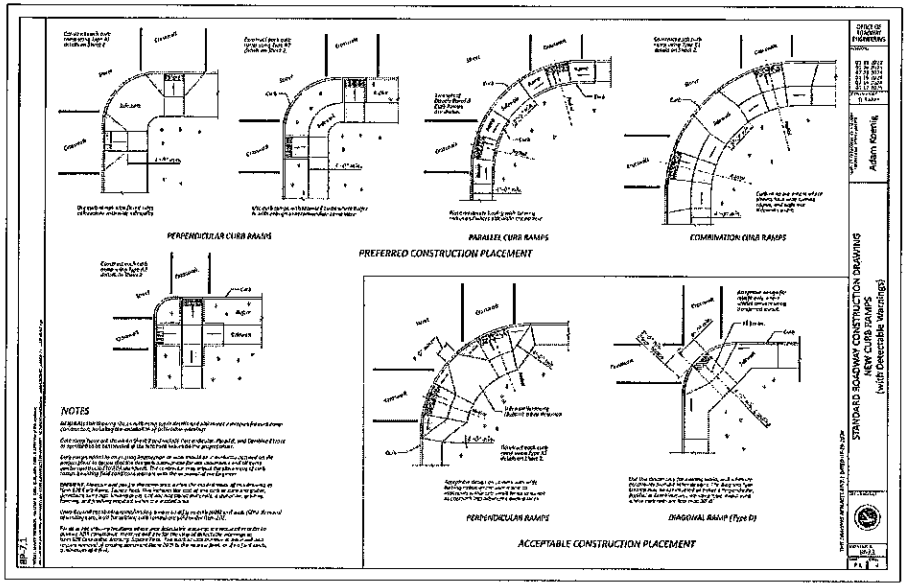
No.	Description	Date
	REVISIONS	

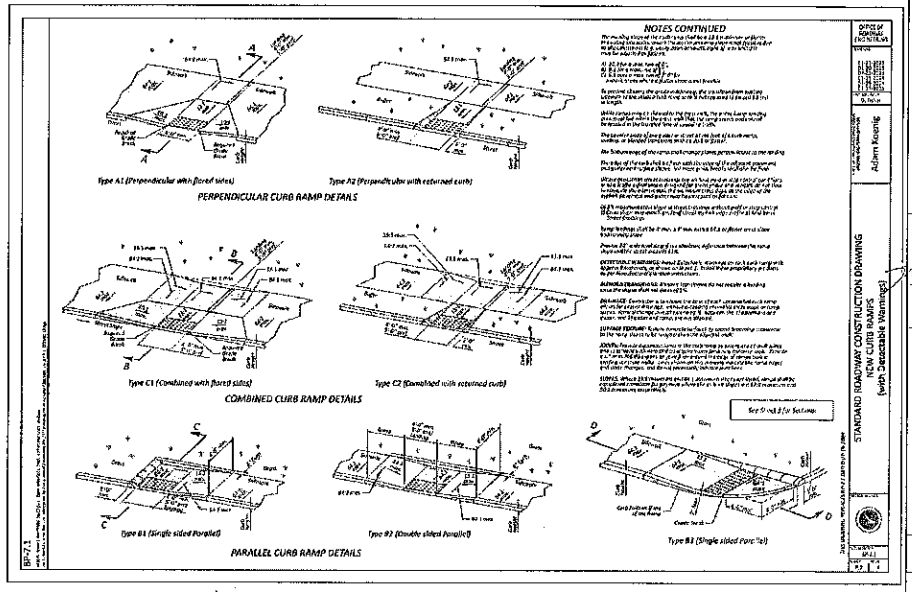
Client: VILLAGE OF PAYNE, OHIO
Project: ORCHARD STREET SIDEWALKS
Drawing: GENERAL NOTES AND DETAIL SHEET

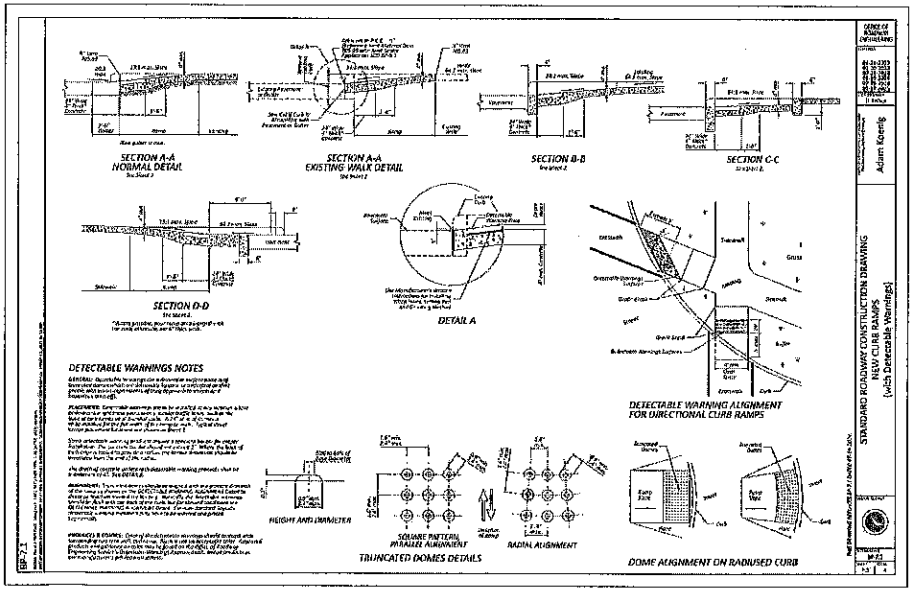
Scale: AS INDICATED
Date:
Job No.:
Designed by:
Drawn by:
Checked by:
Approved by:
Status:

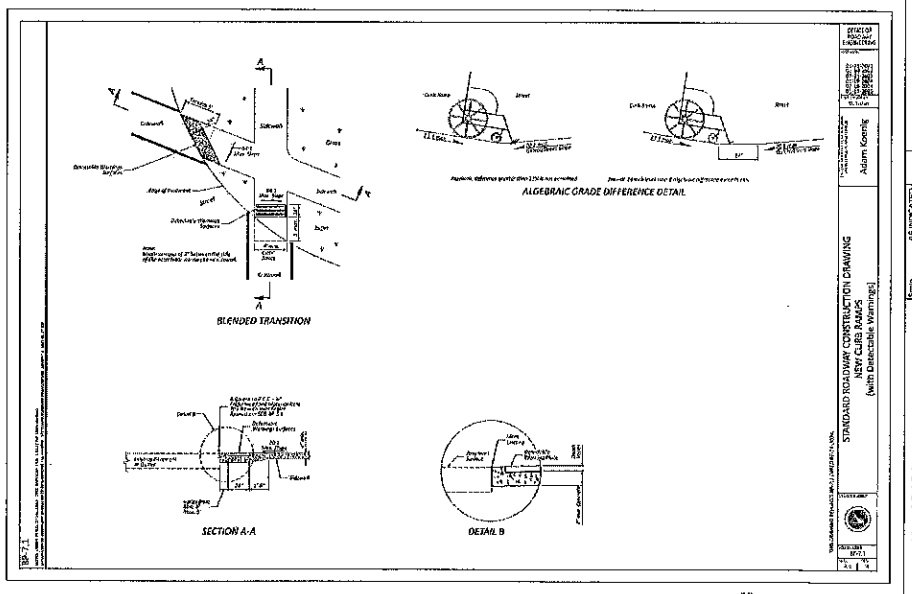
C103

FILE No. L:\Village of Payne OH\20500128.001\Village of Payne Orchard St\Working\CADD\C103\C103-NOTES.DWG, Layout: C103 - Plotted By: Kenneth Sayre, Plotted On: 03-15-2016 09:36 AM - Kenneth Sayre









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STATE OF OHIO
KENNETH
MARTIN
PROFESSIONAL ENGINEER

Scale	AS INDICATED
Date	
Job No.	
Designed by	
Drawn by	
Checked by	
Approved by	
Status	

No.	Description	Date
	REVISIONS	

Client: VILLAGE OF PAYNE, OHIO

Project: ORCHARD STREET SIDEWALKS

Drawing: DETAIL SHEET

C104

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FILE No. L:\Village of Payne OH\20050305\05\Village of Payne Orchard SW\working\OH20050305\05\Utility Protecting 05\20\05 05\05-\Hiesmann

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Engineer's Opinion of Probable Costs

Client Village of Payne, Ohio 30-Apr-25
Project Orchard Street Sidewalks

Item No.	*Item*	*Total Quantity*	*Units*	*Unit Price*	*Total Price*
	Orchard Street Sidewalk North side only (Maple St. to Flat Rock Creek Apartments)				
1	Walk Removed	1,600	s.f.	$ 5.00	$ 8,000.00
2	Excavation	200	c.y.	$ 35.00	$ 7,000.00
3	Embankment	40	c.y.	$ 35.00	$ 1,400.00
4	Subgrade Compaction	1,040	s.y.	$ 3.00	$ 3,120.00
5	6" Compacted Aggregate Base	30	c.y.	$ 80.00	$ 2,400.00
6	6" Non Reinforced Concrete Pavement (Driveway)	170	s.y.	$ 80.00	$ 13,600.00
7	4" Concrete Walk, As Per Plan (includes 4" of compacted aggregate)	9,300	s.f.	$ 10.00	$ 93,000.00
8	Curb Ramp (ADA)	5	each	$ 1,000.00	$ 5,000.00
9	Topsoil Furnished and Placed, 4"	60	c.y.	$ 80.00	$ 4,800.00
10	Proposed ODOT 2-2B Catch Basin (includes pipe and tie in)	1	l.s.	$ 3,000.00	$ 3,000.00
11	6" Storm Sewer	10	l.f.	$ 80.00	$ 800.00
12	Valve Box Adjustment	2	each	$ 500.00	$ 1,000.00
13	Seeding and Mulching	1	l.s.	$ 3,000.00	$ 3,000.00
14	Pavement Markings	1	l.s.	$ 1,500.00	$ 1,500.00
15	Tree Removal	2	each	$ 500.00	$ 1,000.00
16	Construction Video	1	l.s.	$ 250.00	$ 250.00
				Total	$ 148,870.00
				USE	**$149,000**