LOCATION MAP



UTILITY LOCATING

Construction will follow several utility corridors. Utilities were marked and surveyed for design, but will require potholing at various locations to determine depth of utilities prior to construction to avoid relocation where possible. Where possible, Home Sewage Treatment Systems (HSTS) were avoided, but records for all lots are not complete and will require marking and possible adjustment.

UNDERGROUND UTILITIES TWO WORKING DAYS BEFORE YOU DIG CALL 1-800-362-2764 (TOLL FREE) OHIO UTILITIES PROTECTION SERVICE NON-MEMBERS MUST BE CALLED DIRECTLY

PLAN JOINTLY PREPARED BY:

DELAWARE SOIL AND WATER CONSERVATION DISTRICT 1610 SR 521 DELAWARE, OHIO 43015 PHONE: (740)368-1921 EXT.4 FAX: (740)369-8321

DELAWARE COUNTY ENGINEER'S OFFICE 1610 SR 521 DELAWARE, OHIO 43015 PHONE:(740) 833-2400 FAX: (740)833-2399 STATE OF OHIO, DELAWARE COUNTY DELAWARE COUNTY ENGINEER

FRANKLIN DRAINAGE IMPROVEMENT PROJECT

DELAWARE COUNTY GENOA TOWNSHIP

	Franklin South Main 1 Surface Drain		LA LA
	ESTIMATED QUANTITIES		
Item	Description	Quantity	Unit
NRCS 326	Clearing & Snagging	1	Lump
NRCS 608	Surface Drain - Swale	1,345	Lineal Feet
ODOT 611	19" x 30" Elliptical Concrete Culvert, Type B Installation, Paved Drive	40	Lineal Feet
ODOT 611	19" x 30" Elliptical Concrete Culvert, Type B Installation, Gravel Drive	40	Lineal Feet
ODOT 601	Culvert/Pond Inlet and Outlet Protection - Riprap	3	Each
ODOT 659	Seeding & Mulching	2,500	Square yard
	Franklin South Main 1 Subsurface Drain		
	ESTIMATED QUANTITIES		
Item	Description	Quantity	Unit
NRCS 326	Clearing & Snagging	1	Lump
NRCS 606	8" Pipe, Perforated	60	Lineal Feet
NRCS 606	10" Pipe, Perforated	395	Lineal Feet
ODOT 611	10" Pipe (707.33), Type B Installation, Paved Driveway	20	Lineal Feet
NRCS 606	12" Pipe, Perforated	860	Lineal Feet
ODOT 611	12" Pipe (707.65), Non-Perforated	20	Lineal Feet
ODOT 611	12" Pipe (707.33), Type B Installation, Gravel Driveway	20	Lineal Feet
NRCS 606	Tile Main Breathers	6	Each
ODOT 202	Tile Destruction in Place	1,315	Lineal Feet
ODOT 659	Seeding & Mulching	400	Square yard
SPECIAL	Utility Relocation	1	Lump
			20 ACC 15 CALLEGE CO. 17

Franklin South Main 1 Surface Drain

ESTIMATED QUANTITIES					
Item	Description	Quantity	Unit		
VRCS 326	Clearing & Snagging	1	Lump		
VRCS 606	10" Pipe, Perforated	700	Lineal Feet		
DDOT 611	10" Pipe (707.33), Type B Installation, Paved Driveway	40	Lineal Feet		
DDOT 611	10" Pipe (707.33), Type B Installation, Concrete Driveway	20	Lineal Feet		
DOT 452	Non-Reinforced Portland Cement Concrete Pavement Driveway Repair, 6" in Driveway approach (including removal and disposal of existing pavement section)	1	Lump		
DOT 611	10" Pipe (707.65), Type B Installation, Paved Road	40	Lineal Feet		
VRCS 606	Tile Main Breathers	5	Each		
DOT 659	Seeding & Mulching	800	Square yards		
DDOT 614	Maintenance of Traffic	1	Lump		
SPECIAL	Utility Relocation	1	Lump		

	ESTIMATED QUANTITIES		
ltem	Description	Quantity	Unit
NRCS 326	Clearing & Snagging	1	Lump
NRCS 606	8" Pipe, Perforated	960	Lineal Feet
NRCS 606	Tile Main Breathers	7	Each
ODOT 659	Seeding & Mulching	900	Square yards
SPECIAL	Utility Relocation	1	Lump
	Franklin North Subsurface Drain		
	ESTIMATED QUANTITIES		

	Franklin North Subsurface Drain					
	ESTIMATED QUANTITIES					
Item	Description	Quantity	Unit			
NRCS 326	Clearing & Snagging	1	Lump			
NRCS 606	10" Pipe, Non-Perforated	871	Lineal Feet			
NRCS 606	12" Pipe, Perforated	1,500	Lineal Feet			
ODOT 611	12" Pipe (707.65), Type B Installation, Paved Road	40	Lineal Feet			
ODOT 611	12" Pipe (707.33), Type B Installation, Paved Driveway	150	Lineal Feet			
ODOT 611	12" Pipe (707.33), Type B Installation, Gravel Driveway	60	Lineal Feet			
NRCS 606	Tile Main Breathers	11	Each			
ODOT 659	Seeding & Mulching	3,000	Square yards			
ODOT 611	Tile Connection to Precast Drainage Structure	1	Lump			
SPECIAL	Utility Relocation	1	Lump			

	CONSTRUCTION & MA	TERIA	L SPECIFICATIONS		
	OHIO DEPARTMENT OF TRANSPORTATION		DA NATURAL RESOURCES ONSERVATION SERVICE	SUPPLEMENTAL SPECIFICATIONS	
	DELAWARE COUNTY ENGINEER		CONSTRUCTION	CDECIAL DDOVICIONS	
202	Tile Removal	326 Clearing & Snagging		SPECIAL PROVISIONS	
601	Rock Channel Protection	484	Mulching	Tile Connection	
611	Pipe Culverts, Sewers, Drains, and Drainage Structures	606	Subsurface Drain	Utility Relocation	
614	Maintenance of Traffic	608	Surface Drain		
659	Seeding & Mulching				

INDEX OF SHEETS

TITLE SHEET DETAILS & NOTES CULVERT SHEET SOUTH MAIN 1 PLAN & PROFILE SOUTH MAIN 2 PLAN & PROFILE NORTH MAIN PLAN & PROFILE CROSS SECTIONS EASEMENTS

PROJECT DESCRIPTION

This project will include the improvement of surface drainage, the installation of subsurface drain, the destruction of existing subsurface drain tile, and the taking of temporary and permanent easements.

This project/improvement is being done pursuant to Ohio Revised Code Sections 6131 and 6137.

2023 SPECIFICATIONS

The standard specifications of the State of Ohio, Department of Transportation, including changes and supplemental specifications listed in the proposal shall govern this improvement. English units shall govern. Where noted, specifications of the USDA Natural Resources Conservation Service shall supplement the ODOT specifications.

BENCHMARK DESCRIPTION

Elevation: 940.52' Northing: 187102.8950' Easting: 1855344.1040'

(Coordinates are NAD1983 Ohio State Plane North)

FRANKLIN DRAINAGE IMPROVEMENT PROJECT DELAWARE COUNTY ENGINEER DELAWARE COUNTY, OH DATE 5-8-24 COUNTY ENGINEER APPROVED_ DATE_____ COUNTY COMMISSIONER APPROVED_ DATE_____ COUNTY COMMISSIONER APPROVED.

_ COUNTY COMMISSIONER

ANKLIN

DETAILS & NOTES

GENERAL CONSTRUCTION NOTES

1. The construction right-of-way for this project will be 75' right and left of the project centerline unless otherwise marked by the Construction Inspector. Certain items of work may require an extended right-of-way in order to properly complete them. This work should not be done without prior consent of the construction inspector., and any consent given will be specific to a particular item of work. Additional right-of-way for construction access may be identified and approved by the construction inspector as deemed necessary for the completion of the project. All areas disturbed by the construction activities which are outside of the critical path including but not limited to area used for staging, stockpiling of materials, and access will be cleaned and returned to its pre-construction state at the sole responsibility of the contractor as per the requirements of ODOT CMS 104.04.

2. The contractor will be responsible for ensuring that all relevant OSHA regulations are met prior to beginning any construction activities.

3. Temporary easements for construction access may be identified and approved by the construction inspector as deemed necessary for the completion of the project. Any access easement not connected to the work limits of the project will be returned to its pre-construction state at the sole responsibility of the contractor.

4. All ground disturbed by excavation shall be returned to its pre-construction vegetative state and grade unless otherwise directed by the plans and/or the construction inspector.

5. Spoil from excavation of the surface drain (NRCS #608) and open channel (NRCS #582) construction shall be exported from the site at the expense of the contractor. Payment for spoil and debris disposal will be considered as included in payment for NRCS #608 and NRCS #582 items. The contractor is free to negotiate with landowners to dispose of spoil and debris materials on-site provided that any disposal site is outside of the work limits for this project. Delaware County will not be considered party to any such agreements made between the contractor and landowners.

6. Unless otherwise noted on these plans or instructed by the construction inspector, debris from clearing and snagging within the typical cross sections is to be disposed of off-site by the contractor unless permission to place brush and logs adjacent to the construction right-of-way is granted by the landowners. Payment for hauling and disposal shall be considered part of payment for NRCS #326-Clearing and Snagging. For the purposes of on-site disposal, a log will be defined as "a section of a tree bole (the main trunk of the tree) at least 8 feet long, not containing a fork, sufficiently straight and sound enough to yield at least an 8-foot board. Anything not considered a log by the above definition will be considered brush.

7. Pipe quantities listed on the Plan and Profile views represent cumulative quantities for both perforated and non-perforated pipe. The quantity table shall be the reference for the specific amounts of perforated and non-perforated pipe. The applicable specification and the instructions of the construction inspector will govern the placement of each type of pipe. All lineal quantities of pipe shall be considered to be inclusive of all necessary elbows, couplers, and other fittings unless otherwise stated by these plans and/or the bid documents.

8. All lateral tile cut by the installation of the new tile shall be reconnected to the new tile at the point where they are cut or collected with a submain (size to be determined) and outletted into the new tile at the next downstream breather as specificed by the construction inspector and per the requirements of NRCS #606-Subsurface Drain. Any connections made to any tile included on the Drainage Maintenance Program after completion of the project will require the approval of the Drainage Maintenance Department.

9. Seeding and Mulching will be done as per the specifications of ODOT #659 with the following stipulations/exceptions:

-Seed mixture to be used will be Class-Type #1.

-Soil testing will not be required. -Liming will not be required.

-Compost will not be required.

-The use of straw mulch will be acceptable for the entire project. -Watering will not be required.

-Mulch anchoring will not be required except where specified.

10. Linear alignments of all surface and subsurface features may be modified to fit site specific conditions at the discretion of the construction inspector.

11. The contractor shall contact the Delaware County Engineer's Office a minimum of seven (7) working days prior to beginning any work within the road right-of-way. It will be the sole responsibility of the contractor to secure any permits necessary for work within the road right-of-way.

12. All trees to be saved will be marked prior to the start of construction by the construction inspector. Markings will be done in the manner requested by the contractor. Unless specifically designated as "Save" or "Do not disturb" in the plans or by the construction inspector, remove all trees and stumps within the cross section under the lump sum bid for NRCS Item #326-Clearing and Snagging. Trees marked to be saved shall be protected with protective cover such as filter fabric or other suitable material. Replacement of any tree damaged or removed that was otherwise marked to be saved will be the responsibility of the contractor.

13. Scale bars as shown on the Plan Views shall be considered to be accurate for surveyed features including, but not necessarily limited to, project centerline, tile lines, and benchmark locations. Property lines, drive centerlines, building footprints, and road centerlines as shown on the Plan Views were derived from other sources and are shown for general reference only and should not be used to scale the location of any constructed feature.

14. Excavation will/may be required to verify design elevations including, but not limited to, existing subsurface drain inverts. These excavations will be considered incidental to the overall construction of the project per ODOT CMS 105.02.

Temporary & Permanent Easements

- 1. The width of the temporary easement for construction shall be seventy-five feet as measured from the top of bank of the open channel, seventy-five feet as measured from the top of bank of the surface drain, and seventy-five feet as measured from the centerline of the subsurface drain where no surface drain cross-section is specified.
- 2. A permanent easement will be established for maintenance and cleaning of the constructed improvement per ORC 6137.12. The width of the permanent easement will be based on the type of improvement constructed. For Open Channel and Surface Drain Swales, the permanent easement will be twenty-five feet from the top of bank on both sides of the channel, measured at right angles thereto. For closed ditches (subsurface drain installation only), the permanent easement shall be a maximum of eighty feet centered on the centerline of the improvement. The permanent easement for access shall be a maximum width of thirty feet and length as necessary to connect to the improvement as shown on these drawings.

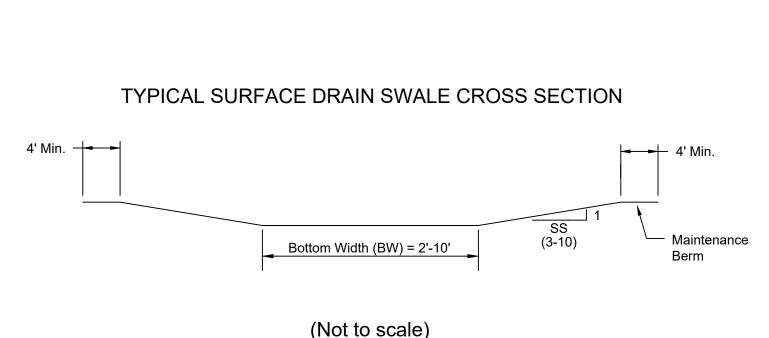
SURFACE DRAIN DETAILS

NOTES: 1. Where specified on the plans, the surface drain is to be seeded as stated in the construction

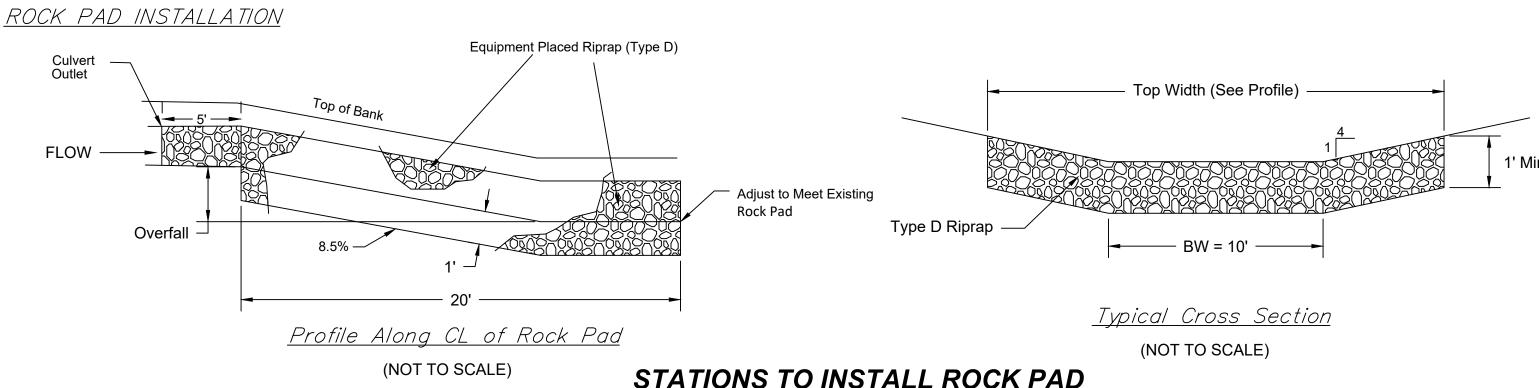
notes and ODOT Specification #659. Any modifications to this seed mixture as stated in this Specification must be approved by the construction inspector prior to seed application.

2. Side slopes may be modified to fit site specific conditions at the discretion of the construction inspector.

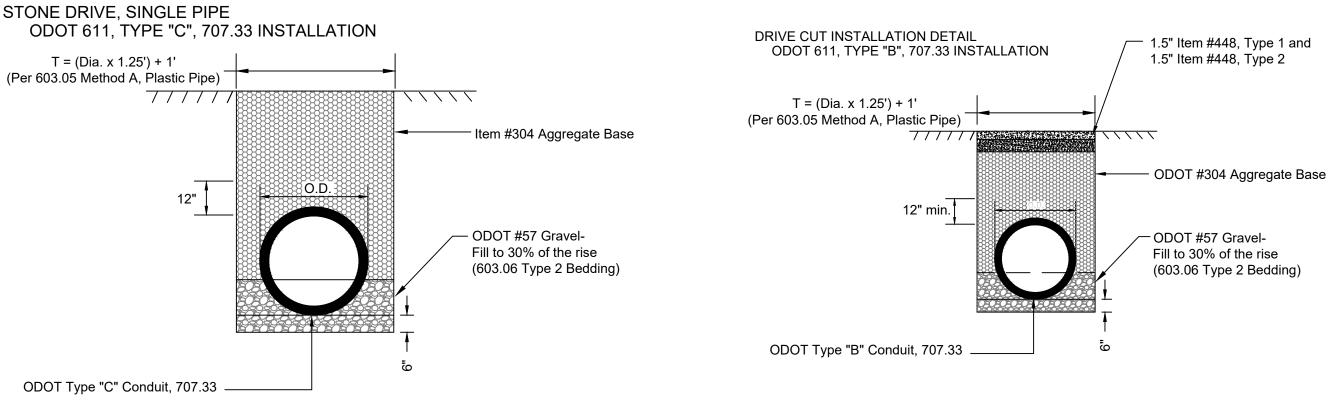
3. All spoil from within the typical surface drain cross section shall be disposed of according to the specifications of NRCS #608 -Surface Drainage Main.



DRAINAGE IMPROVEMENT PROJECT **ENGINEERING DRAWINGS** Equipment Placed Riprap (Type D)

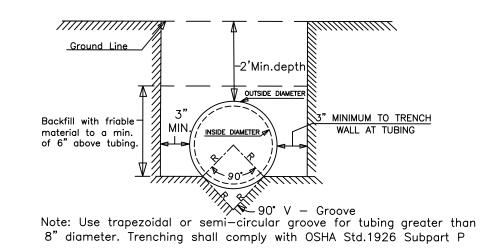


STA 119+75 - 119+95



SUBSURFACE DRAIN DETAILS

NRCS 606 PIPE INSTALLATION DETAIL



Varies Main

NOT TO SCALE

1. All tile shall be placed according to the Typical Subsurface Drain Installation Detail and the requirements of NRCS Specification #606.

2. Removal of residual lateral tile regardless of size and/or material shall be considered part of the payment for this item.

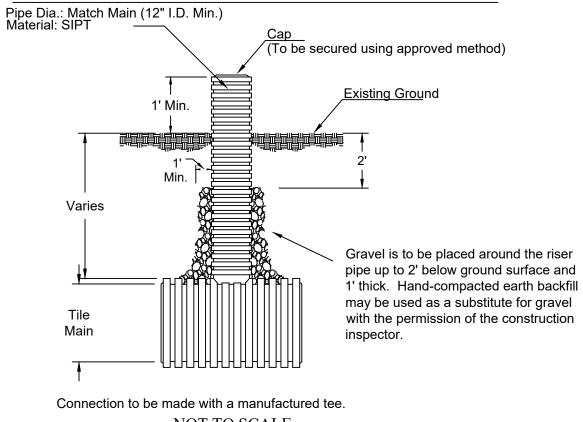
3. All connections shall be done using manufactured connectors.

4. Any quantity of gravel used to make connections utilizing Option #2 shall be considered part of the payment for this item. Determining the quantity of gravel needed for making connections using this option shall be the sole responsibility of the contractor. Cleanup of gravel stockpile areas shall be as per the requirements of ODOT CMS 104.04.

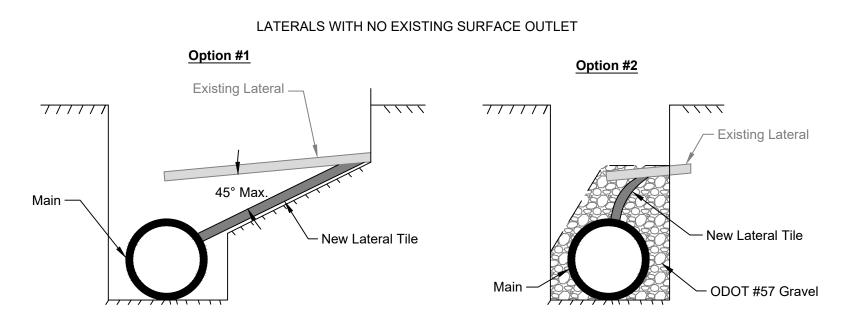
5. The contractor shall note on a dedicated copy of the plans, as provided by the construction inspector, the station, size, material, and connection option used to make all lateral connections.

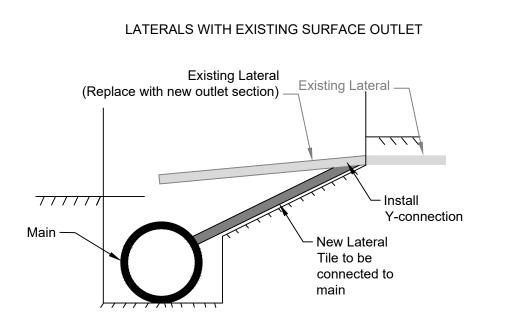
6. Lateral types regarding having or not having a surface outlet will be marked by the construction

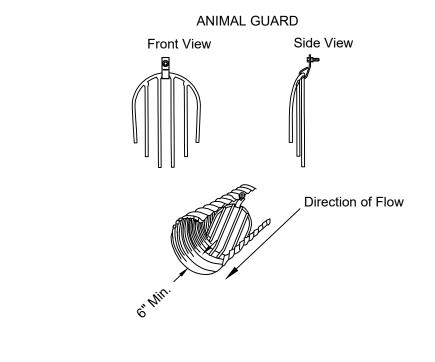
TILE MAIN BREATHER DETAIL



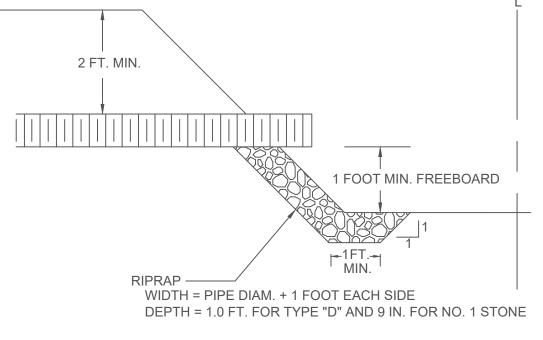
TYPICAL SUBSURFACE DRAIN LATERAL CONNECTION DETAILS NOT TO SCALE







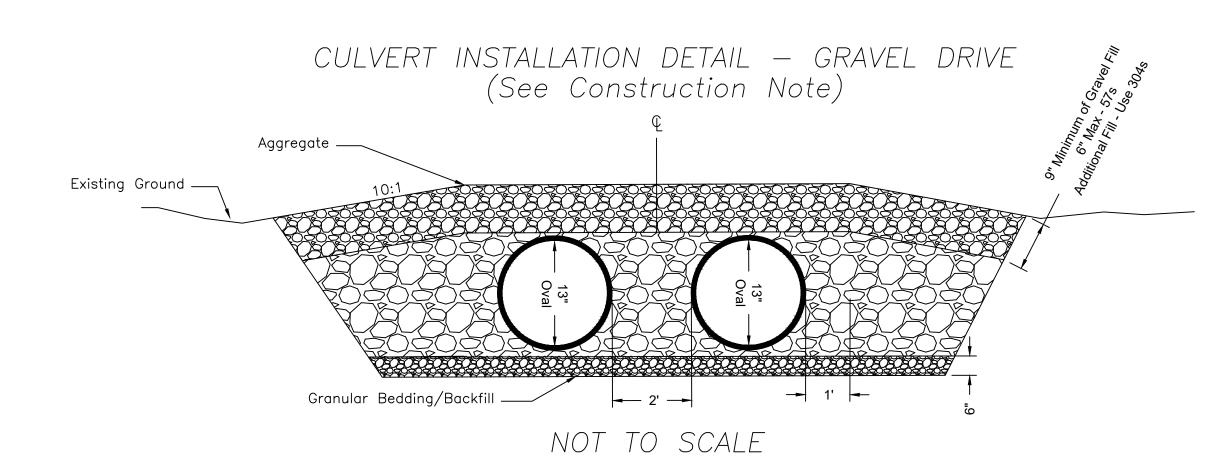
FRANKLIN

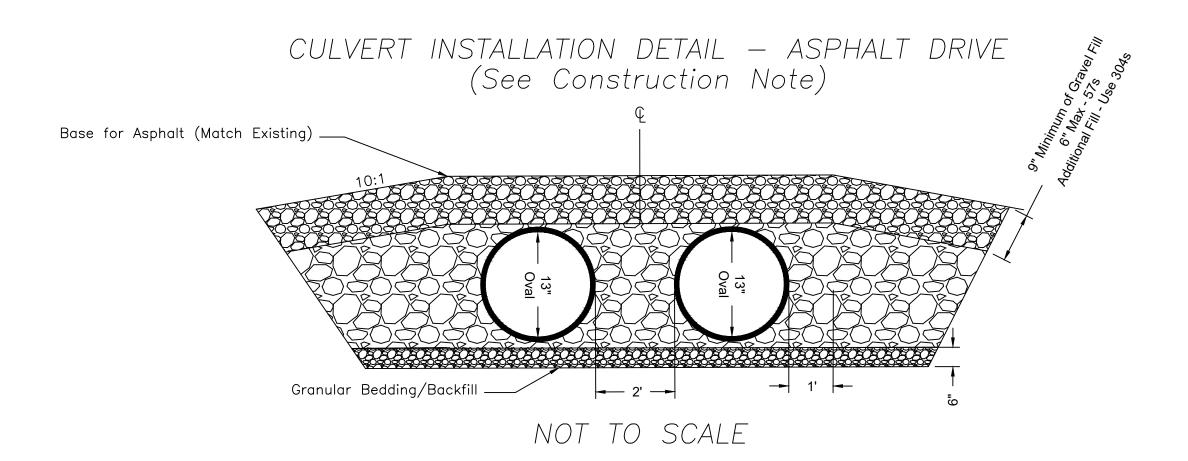


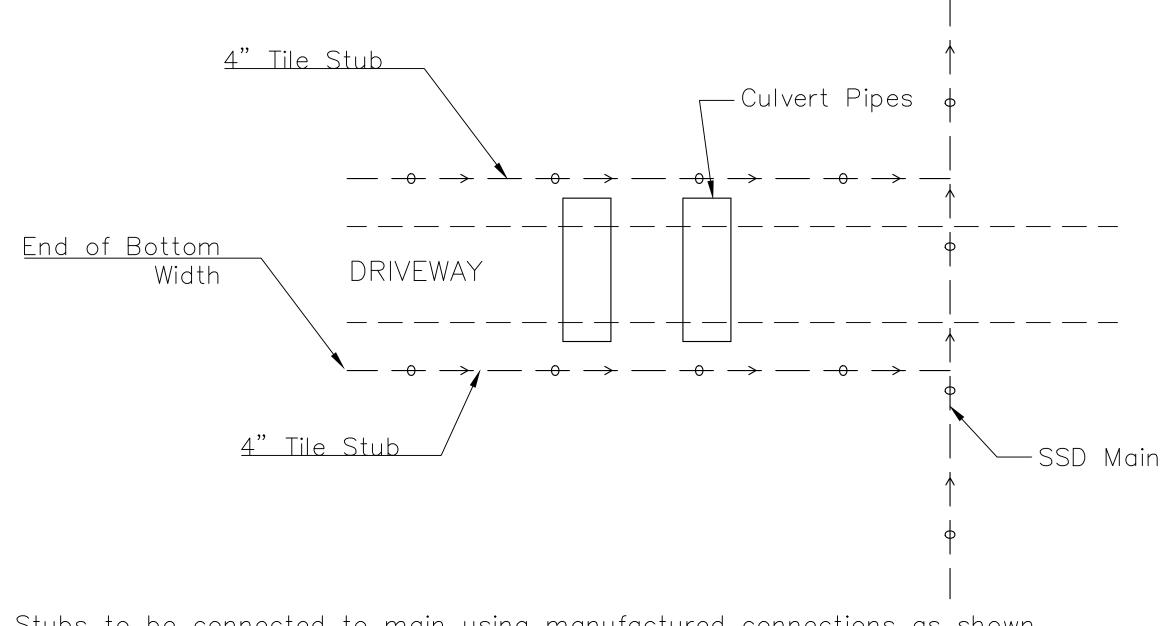
OUTLET PIPE DETAILS

NOT TO SCALE

CULVERT DESIGN







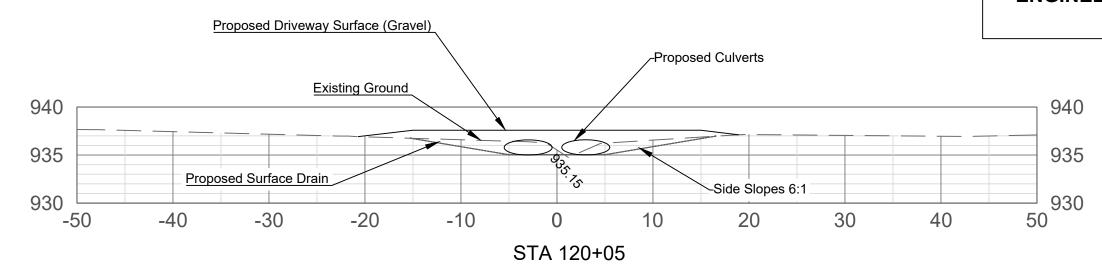
- Tile Stubs to be connected to main using manufactured connections as shown on Sheet 2 (TYPICAL SUBSURFACE DRAIN LATERAL CONNECTION DETAILS)

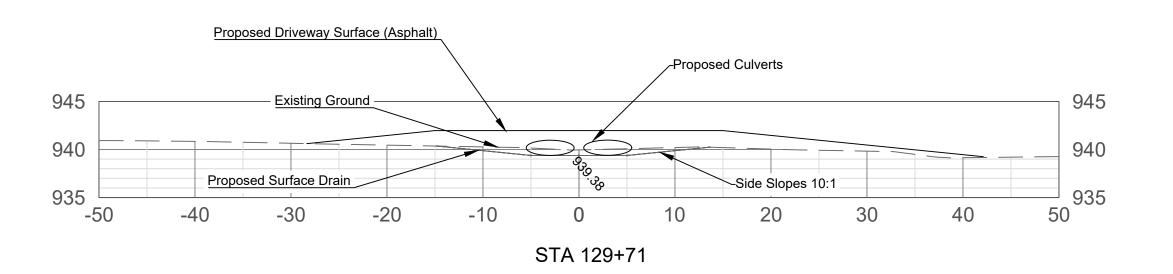
NOTE:

— Tile Stub trenches to bedded in #57s with 6" of cover and filled to grade with #57s or #1-2 at the direction of construction inspector.

FRANKLIN DRAINAGE IMPROVEMENT PROJECT **ENGINEERING DRAWINGS**







Horizontal Scale - 1" = 10' Vertical Scale - 1" = 10'

CULVERT DESIGN TABLE							
STA Entrance	STA Exit	Entrance Inv.	Exit Inv.	Size	Qty.	Material	Length
129+81	129+61	939.39	939.37	19" x 30" Elliptical	2	Concrete	20'
120+15	119+95	935.11	934.91	19" x 30" Elliptical	2	Concrete	20'

CONSTRUCTION NOTE

1. Conduit - corrugated HDPE plastic smooth lined pipe (double-wall) conforming to ODOT CMS 707.33.

2. Granular bedding and backfill - coarse aggregate meeting AASHTO/ODOT #57 or #67 size or crushed limestone aggregate meeting ODOT CMS Item 304 or 411.

The existing culvert shall be removed in its entirety, and included in this item for payment. The trench for the proposed culvert shall be excavated to a minimum width of 2 feet greater than the outside span of the culvert. The trench shall be excavated a minimum of 6 inches below the

Bedding for the culvert shall be 6 inches of granular material, and shall extend to the limits of the trench.

Except where otherwise directed by the Engineer for special conditions, the culvert shall be laid starting at the outlet end. For multiple barrel culverts, the minimum distance between the outside of adjacent barrels shall be 24"

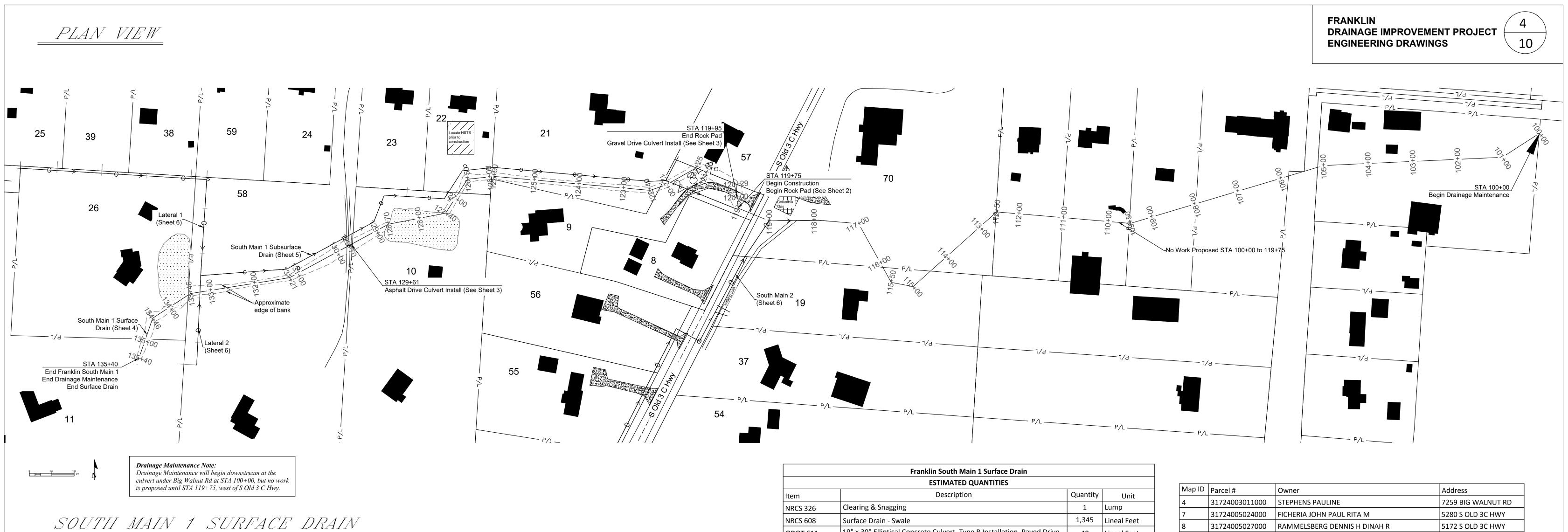
The method of joining culvert sections shall be such that the ends are fully entered and the inner surfaces are reasonably flush and even. Bands or gasket joints shall be used according to manufacturer's recommendations. Conduit shall be inspected before any backfill is placed. Any

sections found to be out of alignment, unduly settled, or damaged shall be taken up and relaid or replaced.

Granular backfill shall be placed in lifts not to exceed 8 inches up the sides of the culvert. Backfill shall be carefully compacted under the haunches of the pipe using mechanical compactors, spud bars or any other means approved by the Engineer.

When using #57 or #67 granular backfill, the material shall be compacted to approximately 85% of the original thickness. When using stabilized crushed aggregate, water shall be added as necessary to maintain optimum moisture content. Compaction shall be done by mechanical tampers, jumping-jacks, hand tools, or any other means approved by the Engineer, and shall be considered sufficient when 98-100 percent of AASHTO T 99 (Standard Proctor) has been achieved or the Engineer approves the backfill.

NOTE: Replace drive with like material (i.e. gravel, concrete, asphalt, etc.)

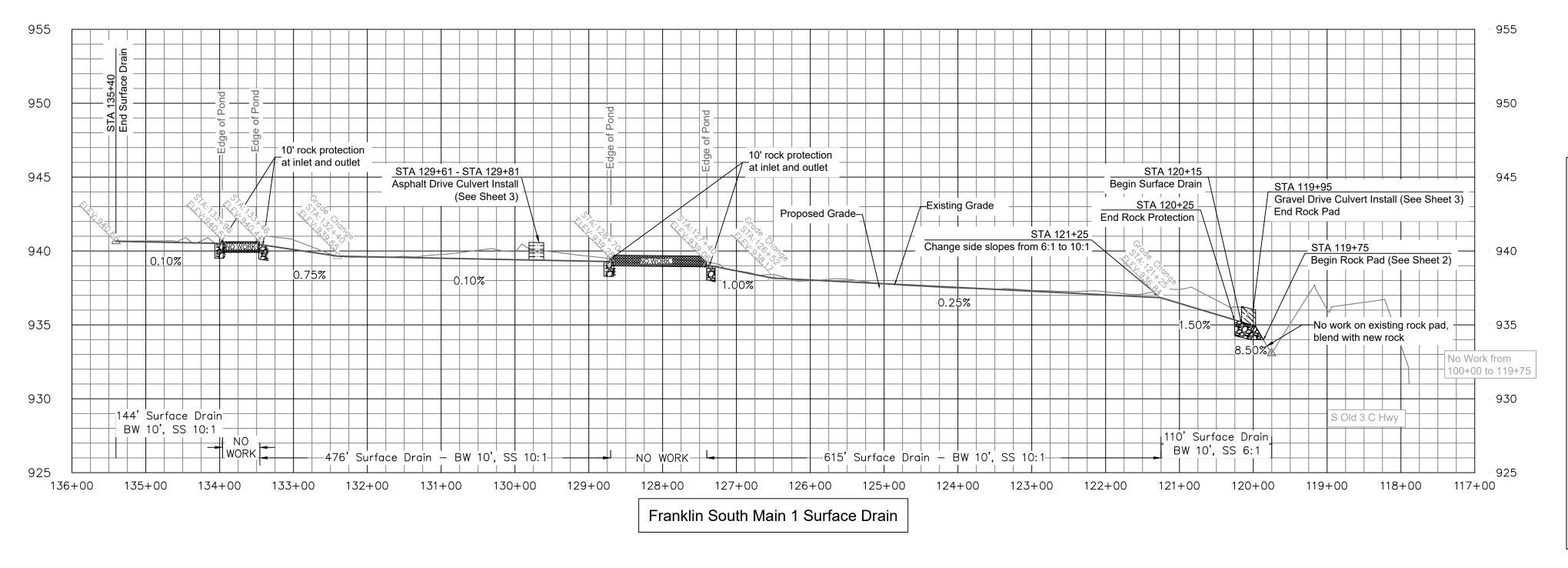


ODOT 611

ODOT 611

ODOT 601

ODOT 659



	LEGEND
Existing SSD	$\stackrel{\bigcirc}{\longrightarrow} \longrightarrow \stackrel{\bigcirc}{\longrightarrow}$
Proposed Mains	$\longrightarrow \longrightarrow \longrightarrow$
Building	
Septic System	
Pond	
Road	
Driveway	
Fence	/
Benchmark	•

40 Lineal Feet

40 Lineal Feet

2,500 Square yards

3 Each

19" x 30" Elliptical Concrete Culvert, Type B Installation, Paved Drive

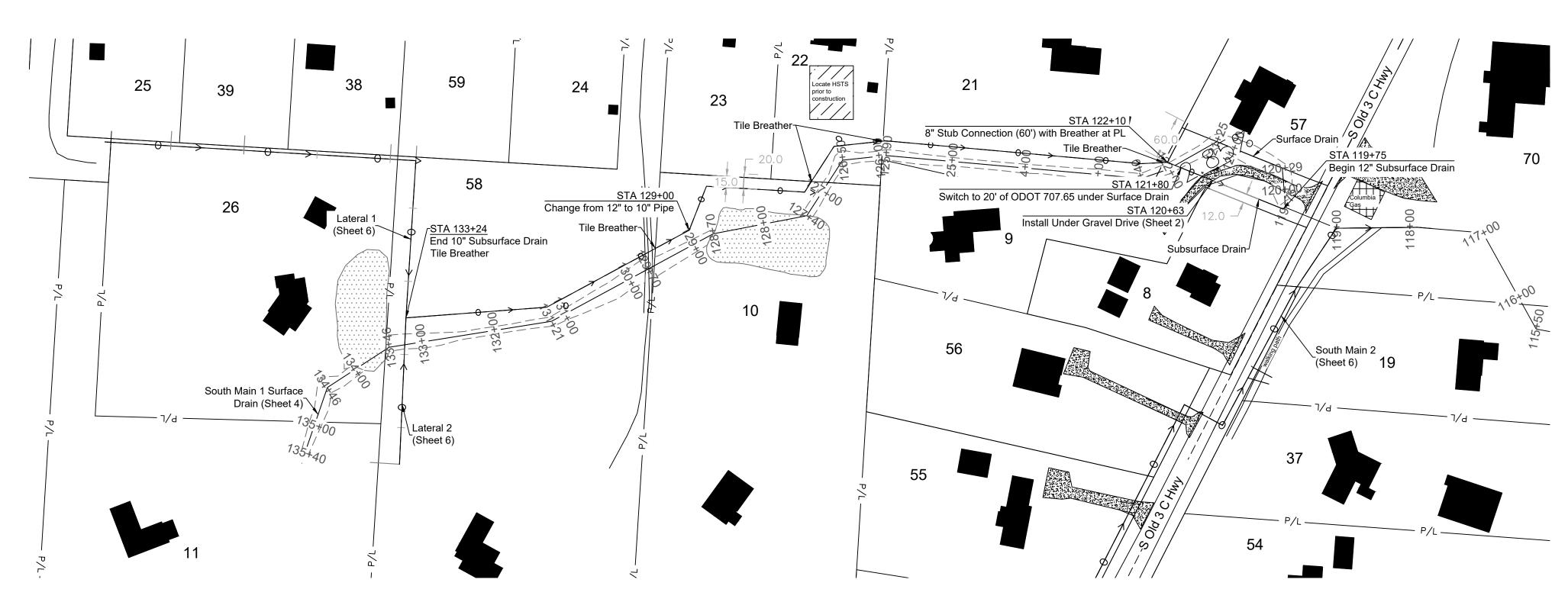
19" x 30" Elliptical Concrete Culvert, Type B Installation, Gravel Drive

Culvert/Pond Inlet and Outlet Protection - Riprap

Seeding & Mulching

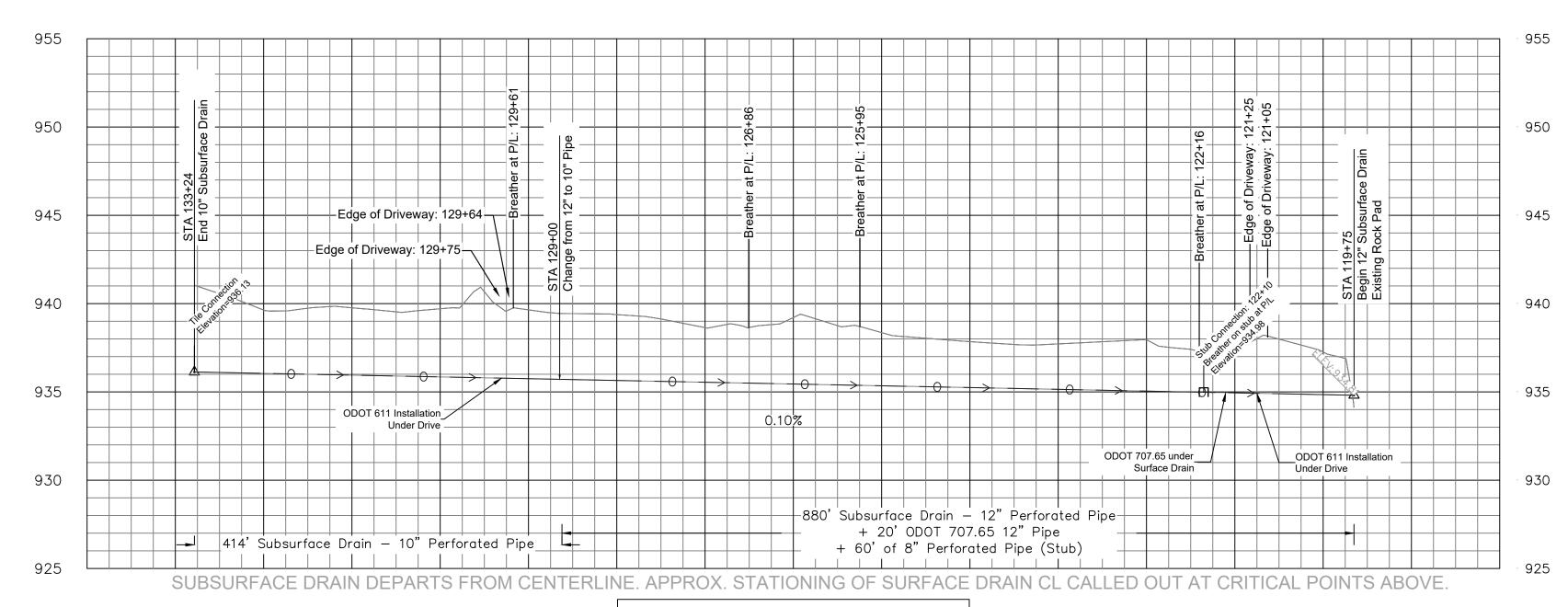
Map ID	Parcel #	Owner	Address
4	31724003011000	STEPHENS PAULINE	7259 BIG WALNUT RD
7	31724005024000	FICHERIA JOHN PAUL RITA M	5280 S OLD 3C HWY
8	31724005027000	RAMMELSBERG DENNIS H DINAH R	5172 S OLD 3C HWY
9	31724005028002	RAMMELSBERG JOSEPH K	5140 S OLD 3C HWY
10	31724005032000	DAVIS LORNA L	7380 BIG WALNUT RD
11	31724005039000	MATHIAS JAMES G & NANCY J	7172 BIG WALNUT RD
13	31724003004000	BD TWP TRUSTEES GENOA TWP	BIG WALNUT RD
15	31724003012000	NAGRA ARJUN P & SARA B	7311 BIG WALNUT RD
16	31724003014000	SANFILLIPO REGINA L	7363 BIG WALNUT RD
17	31724003016000	MULLINS HAL E TRUSTEE	7421 BIG WALNUT RD
18	31724003020000	DRAYER RONALD N & ETHEL E	5044 S OLD 3C HWY
19	31724005010000	GOODPASTER RALPH C	5201 S OLD 3C HWY
20	31724005013000	FOTIS RAYMOND C SR CLORA	5281 S OLD 3C HWY
21	31724005029000	LEAR JEFFREY R & BETH A	7490 BIG WALNUT RD
22	31724005030000	NG FRIEDA JUNE	7410 BIG WALNUT RD
23	31724005031000	DIORIO ANDREA TRUSTEE	7386 BIG WALNUT RD
24	31724005034000	SEEGER CARL H LOIS A	7340 BIG WALNUT RD
25	31724005038000	JOYCE BRYAN & AMY ELIZABETH	7216 BIG WALNUT RD
26	31724005040000	DEMATTEIS CHARLES B DONNA L TRUSTEES	7176 BIG WALNUT RD
27	31724005041000	XENAKIS STACY MARIE	7170 BIG WALNUT RD
28	31724005042000	ARGOE NANCY	7160 BIG WALNUT RD
30	31724003010000	ROSHON TED & MARY	7227 BIG WALNUT RD
31	31724003015000	GREEN F EUGENE & PATRICIA L	7381 BIG WALNUT RD
33	31724003018001	EVANS HAROLD M HELEN JEAN	BIG WALNUT RD
34	31724003026000	GENOA TOWNSHIP TRUSTEES	4848 S OLD 3C HWY
37	31724005011000	DAMRON DUSTIN E & LESLIE N	5223 S OLD 3C HWY
38	31724005036000	BERGER KAI P & AMY E	7270 BIG WALNUT RD
39	31724005037000	SMITH MICHAEL RAY & COLETTE ANN	7240 BIG WALNUT RD
40	31724005041001	THOMPSON SHANNON L EILEEN M	7166 BIG WALNUT RD
48	31724003013000	MCGARVEY HOWARD M TRUSTEE	7351 BIG WALNUT RD
49	31724003017000	EVANS HAROLD M HELEN J	7453 BIG WALNUT RD
54	31724005012000	BENNETT JANET I K TRUSTEE	5257 S OLD 3C HWY
55	31724005025000	BROOKER DONALD E	5260 S OLD 3C HWY
56	31724005026000	MACKEY DAVID J & MELISSA A	5220 S OLD 3C HWY
57	31724005028000	CONKLIN TRACEY L & RUSSELL D JR	5122 S OLD 3C HWY
58	31724005033000	URBANSKI PETER A & BEATA	7370 BIG WALNUT RD
59	31724005035000	CLARKE EVA D	7300 BIG WALNUT RD
50	31724005043000	ESTEP RICHARD A	7130 BIG WALNUT RD
61	31724005045000	ARMBRUST KENNETH B SUSAN M	7060 BIG WALNUT RD
5 - 68	31724003019000	M & W GENOA PROPERTY LLC	5064 S OLD 3C HWY
70	31724005009000	BOARD OF TOWNSHIP TRUSTEES OF GENOA TWP	

PLAN VIEW



NOTE: Subsurface Drain follows the same general path as the Surface Drain (Sheet 4), but departs where necessary. The same centerline will be used, but departures are depicted in plan view with dimensions called out where necessary.

SOUTH MAIN 1 SUBSURFACE DRAIN



Franklin South Main 1 Subsurface Drain

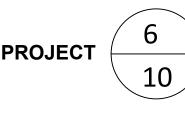
	Franklin South Main 1 Subsurface Drain		
	ESTIMATED QUANTITIES		
Item	Description	Quantity	Unit
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ODOT 202	Tile Destruction in Place	1,315	Lineal Feet
ODOT 659	Seeding & Mulching	400	Square yard
SPECIAL	Utility Relocation	1	Lump

	LEGEND
Existing SSD	
Proposed Mains	$-\!\!\!-\!\!\!\!-\!\!\!\!-\!\!\!\!-\!\!\!\!\!-\!\!\!\!\!-\!\!\!\!\!-\!\!\!\!$
Building	
Septic System	
Pond	
Road	
Driveway	
Fence	/
Benchmark	•

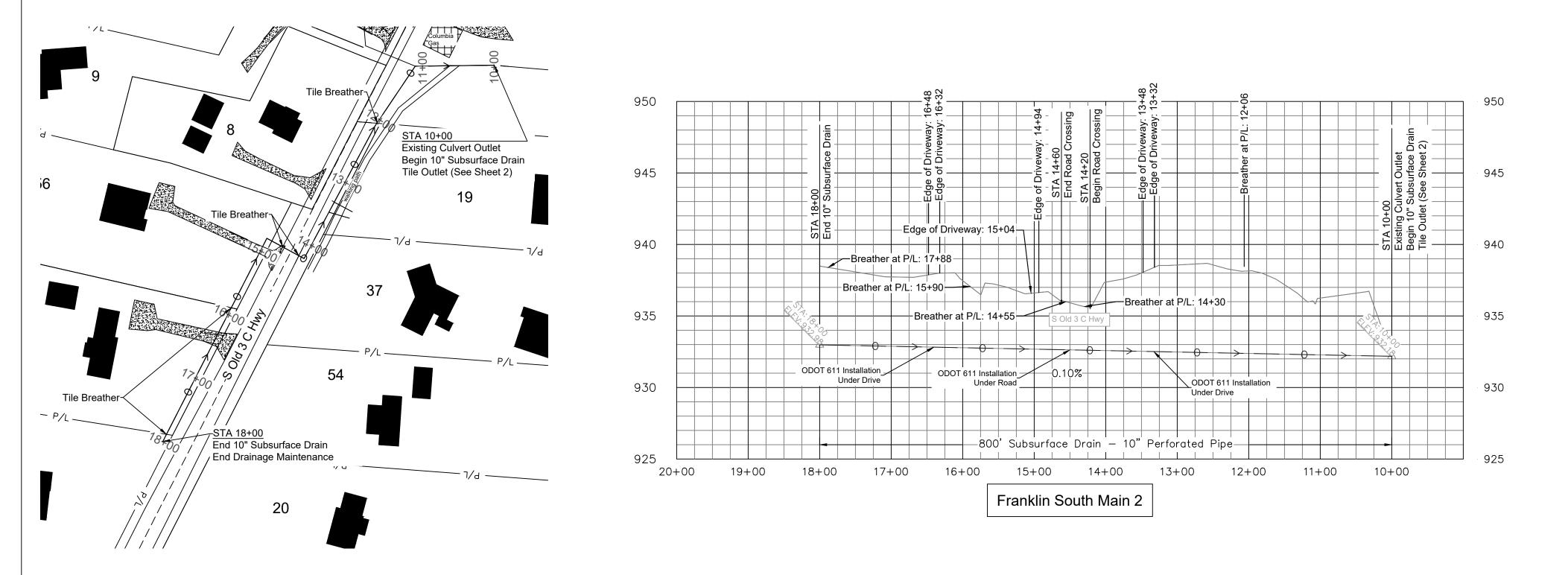
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16	31724003014000	SANFILLIPO REGINA L	7363 BIG WALNUT RD
17	31724003016000	MULLINS HAL E TRUSTEE	7421 BIG WALNUT RD
18	31724003020000	DRAYER RONALD N & ETHEL E	5044 S OLD 3C HWY
19	31724005010000	GOODPASTER RALPH C	5201 S OLD 3C HWY
20	31724005013000	FOTIS RAYMOND C SR CLORA	5281 S OLD 3C HWY
21	31724005029000	LEAR JEFFREY R & BETH A	7490 BIG WALNUT RD
22	31724005030000	NG FRIEDA JUNE	7410 BIG WALNUT RD
23	31724005031000	DIORIO ANDREA TRUSTEE	7386 BIG WALNUT RD
24	31724005034000	SEEGER CARL H LOIS A	7340 BIG WALNUT RD
25	31724005038000	JOYCE BRYAN & AMY ELIZABETH	7216 BIG WALNUT RD
26	31724005040000	DEMATTEIS CHARLES B DONNA L TRUSTEES	7176 BIG WALNUT RD
27	31724005041000	XENAKIS STACY MARIE	7170 BIG WALNUT RD
28	31724005042000	ARGOE NANCY	7160 BIG WALNUT RD
30	31724003010000	ROSHON TED & MARY	7227 BIG WALNUT RD
31	31724003015000	GREEN F EUGENE & PATRICIA L	7381 BIG WALNUT RD
33	31724003018001	EVANS HAROLD M HELEN JEAN	BIG WALNUT RD
34	31724003026000	GENOA TOWNSHIP TRUSTEES	4848 S OLD 3C HWY
37	31724005011000	DAMRON DUSTIN E & LESLIE N	5223 S OLD 3C HWY
38	31724005036000	BERGER KAI P & AMY E	7270 BIG WALNUT RD
39	31724005037000	SMITH MICHAEL RAY & COLETTE ANN	7240 BIG WALNUT RD
40	31724005041001	THOMPSON SHANNON L EILEEN M	7166 BIG WALNUT RD
48	31724003013000	MCGARVEY HOWARD M TRUSTEE	7351 BIG WALNUT RD
49	31724003017000	EVANS HAROLD M HELEN J	7453 BIG WALNUT RD
54	31724005012000	BENNETT JANET I K TRUSTEE	5257 S OLD 3C HWY
55	31724005025000	BROOKER DONALD E	5260 S OLD 3C HWY
56	31724005026000	MACKEY DAVID J & MELISSA A	5220 S OLD 3C HWY
57	31724005028000	CONKLIN TRACEY L & RUSSELL D JR	5122 S OLD 3C HWY
58	31724005033000	URBANSKI PETER A & BEATA	7370 BIG WALNUT RD
59	31724005035000	CLARKE EVA D	7300 BIG WALNUT RD
60	31724005043000	ESTEP RICHARD A	7130 BIG WALNUT RD
61	31724005045000	ARMBRUST KENNETH B SUSAN M	7060 BIG WALNUT RD
68	31724003019000	M & W GENOA PROPERTY LLC	5064 S OLD 3C HWY
70	31724005009000	BOARD OF TOWNSHIP TRUSTEES OF GENOA TWP	5111 S OLD 3C HWY

SOUTH MAIN 2 SUBSURFACE DRAIN





 $-\!\!\!-\!\!\!-\!\!\!\!- \longrightarrow -\!\!\!\!-$



	Franklin South Main 2 Subsurface Drain			
	ESTIMATED QUANTITIES			
Item	Description	Quantity	Unit	Existing SSD
NRCS 326	Clearing & Snagging	1	Lump	Proposed Main
NRCS 606	10" Pipe, Perforated	700	Lineal Feet	
ODOT 611	10" Pipe (707.33), Type B Installation, Paved Driveway	40	Lineal Feet	Building
ODOT 611	10" Pipe (707.33), Type B Installation, Concrete Driveway	20	Lineal Feet	
ODOT 452	Non-Reinforced Portland Cement Concrete Pavement Driveway Repair, 6" in Driveway approach (including removal and disposal of existing pavement section)	1	Lump	Septic System
ODOT 611	10" Pipe (707.65), Type B Installation, Paved Road	40	Lineal Feet	
NRCS 606	Tile Main Breathers	5	Each	Pond
ODOT 659	Seeding & Mulching	800	Square yards	Folid
ODOT 614	Maintenance of Traffic	1	Lump	
SPECIAL	Utility Relocation	1	Lump	Road
	·			
	Franklin South Main 1 Laterals 1 & 2			Driveway
	ESTIMATED QUANTITIES			Fence
Item	Description	Quantity	Unit	

	\
Road	
Deiters	
Driveway	44 3 44 3 4 4 3 4 4 5 4 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6
Fence	/
Benchmark	•

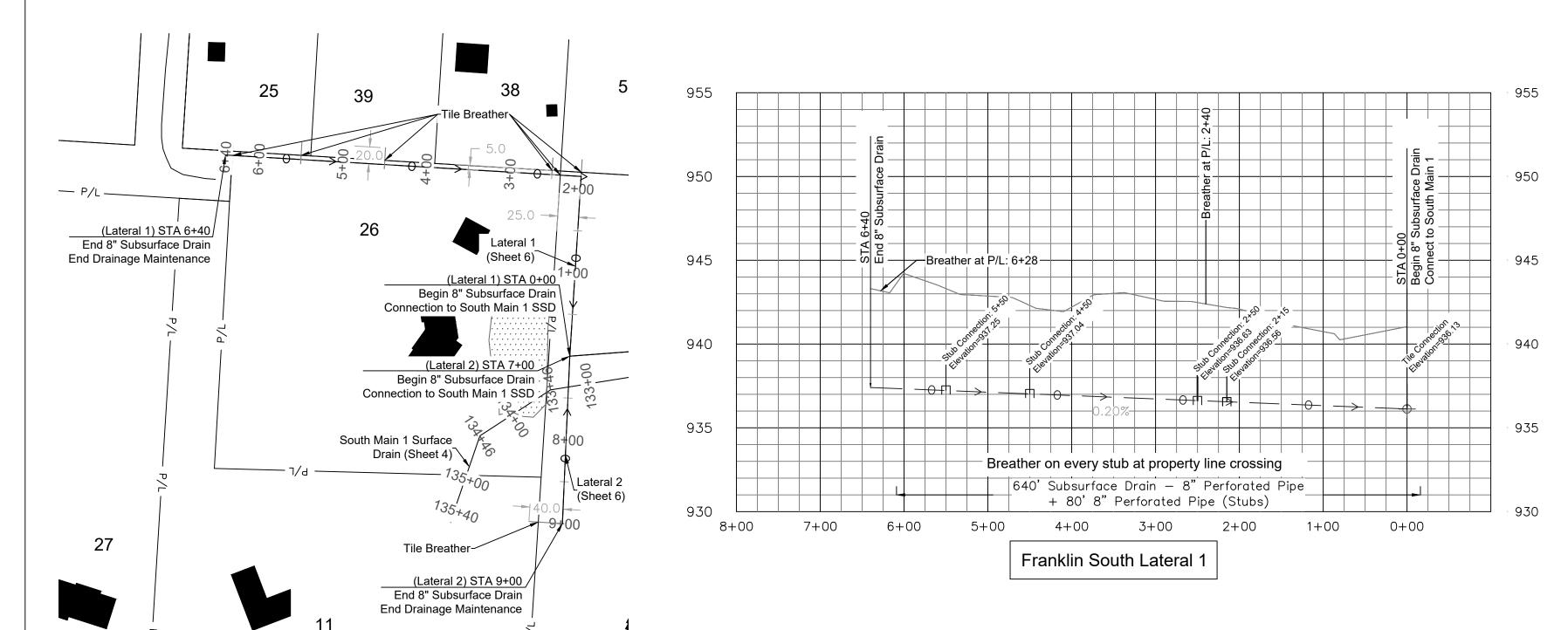
Lineal Feet

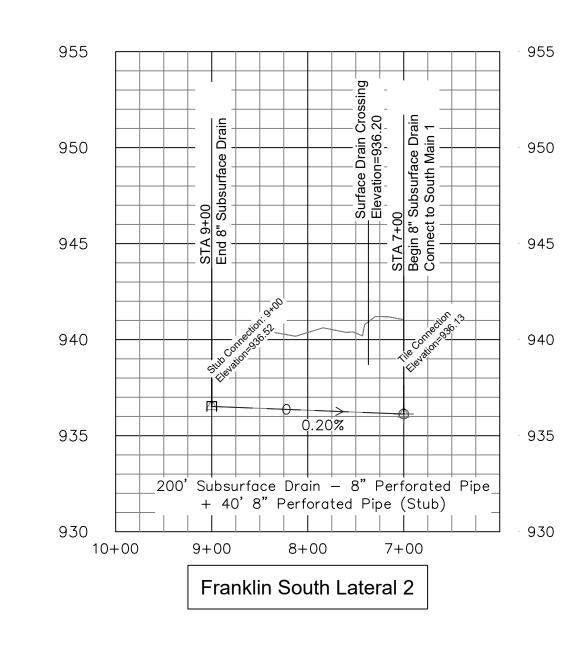
900 Square yards

Lump

LEGEND

SOUTH MAIN 1 LATERALS 1 & 2





Clearing & Snagging

8" Pipe, Perforated

Tile Main Breathers

Seeding & Mulching

Utility Relocation

NRCS 326

NRCS 606

NRCS 606

ODOT 659 SPECIAL

Лар ID	Parcel #	Owner	Address
1	31724003011000	STEPHENS PAULINE	7259 BIG WALNUT RD
7	31724005024000	FICHERIA JOHN PAUL RITA M	5280 S OLD 3C HWY
3	31724005027000	RAMMELSBERG DENNIS H DINAH R	5172 S OLD 3C HWY
)	31724005028002	RAMMELSBERG JOSEPH K	5140 S OLD 3C HWY
.0	31724005032000	DAVIS LORNA L	7380 BIG WALNUT RD
.1	31724005039000	MATHIAS JAMES G & NANCY J	7172 BIG WALNUT RD
.3	31724003004000	BD TWP TRUSTEES GENOA TWP	BIG WALNUT RD
.5	31724003012000	NAGRA ARJUN P & SARA B	7311 BIG WALNUT RD
.6	31724003014000	SANFILLIPO REGINA L	7363 BIG WALNUT RD
.7	31724003016000	MULLINS HAL E TRUSTEE	7421 BIG WALNUT RD
.8	31724003020000	DRAYER RONALD N & ETHEL E	5044 S OLD 3C HWY
.9	31724005010000	GOODPASTER RALPH C	5201 S OLD 3C HWY
20	31724005013000	FOTIS RAYMOND C SR CLORA	5281 S OLD 3C HWY
21	31724005029000	LEAR JEFFREY R & BETH A	7490 BIG WALNUT RD
22	31724005030000	NG FRIEDA JUNE	7410 BIG WALNUT RD
23	31724005031000	DIORIO ANDREA TRUSTEE	7386 BIG WALNUT RD
24	31724005034000	SEEGER CARL H LOIS A	7340 BIG WALNUT RD
25	31724005038000	JOYCE BRYAN & AMY ELIZABETH	7216 BIG WALNUT RD
26	31724005040000	DEMATTEIS CHARLES B DONNA L TRUSTEES	7176 BIG WALNUT RD
27	31724005041000	XENAKIS STACY MARIE	7170 BIG WALNUT RD
28	31724005042000	ARGOE NANCY	7160 BIG WALNUT RD
80	31724003010000	ROSHON TED & MARY	7227 BIG WALNUT RD
31	31724003015000	GREEN F EUGENE & PATRICIA L	7381 BIG WALNUT RD
3	31724003018001	EVANS HAROLD M HELEN JEAN	BIG WALNUT RD
34	31724003026000	GENOA TOWNSHIP TRUSTEES	4848 S OLD 3C HWY
37	31724005011000	DAMRON DUSTIN E & LESLIE N	5223 S OLD 3C HWY
88	31724005036000	BERGER KAI P & AMY E	7270 BIG WALNUT RD
19	31724005037000	SMITH MICHAEL RAY & COLETTE ANN	7240 BIG WALNUT RD
10	31724005041001	THOMPSON SHANNON L EILEEN M	7166 BIG WALNUT RD
18	31724003013000	MCGARVEY HOWARD M TRUSTEE	7351 BIG WALNUT RD
19	31724003017000	EVANS HAROLD M HELEN J	7453 BIG WALNUT RD
54	31724005012000	BENNETT JANET I K TRUSTEE	5257 S OLD 3C HWY
55	31724005025000	BROOKER DONALD E	5260 S OLD 3C HWY
56	31724005026000	MACKEY DAVID J & MELISSA A	5220 S OLD 3C HWY
57	31724005028000	CONKLIN TRACEY L & RUSSELL D JR	5122 S OLD 3C HWY
58	31724005033000	URBANSKI PETER A & BEATA	7370 BIG WALNUT RD
59	31724005035000	CLARKE EVA D	7300 BIG WALNUT RD
50	31724005043000	ESTEP RICHARD A	7130 BIG WALNUT RD
51	31724005045000	ARMBRUST KENNETH B SUSAN M	7060 BIG WALNUT RD
8	31724003019000	M & W GENOA PROPERTY LLC	5064 S OLD 3C HWY
70	31724005009000	BOARD OF TOWNSHIP TRUSTEES OF GENOA TWP	5111 S OLD 3C HWY



0 50 100 FT

OVEMENT PROJECT	7
RAWINGS	1

	ESTIMATED QUANTITIES		
 Item	Description	Quantity	Unit
NRCS 326	Clearing & Snagging	1	Lump
NRCS 606	10" Pipe, Non-Perforated	871	Lineal Feet
NRCS 606	12" Pipe, Perforated	1,500	Lineal Feet
ODOT 611	12" Pipe (707.65), Type B Installation, Paved Road	40	Lineal Feet
ODOT 611	12" Pipe (707.33), Type B Installation, Paved Driveway	150	Lineal Feet
ODOT 611	12" Pipe (707.33), Type B Installation, Gravel Driveway	60	Lineal Feet
NRCS 606	Tile Main Breathers	11	Each
ODOT 659	Seeding & Mulching	3,000	Square yards
ODOT 611	Tile Connection to Precast Drainage Structure	1	Lump
SPECIAL	Utility Relocation	1	Lump

LEGEND Existing SSD Proposed Mains LEGEND	
Proposed Mains — — — — —	_
	_
Building	
Septic System	
Pond	
Road	
Driveway	•
Fence /	_
Benchmark	

7 3 8 3 9 3 10 3	31724003011000 31724005024000 31724005027000 31724005028002 31724005032000 31724005039000	STEPHENS PAULINE FICHERIA JOHN PAUL RITA M RAMMELSBERG DENNIS H DINAH R RAMMELSBERG JOSEPH K	7259 BIG WALNUT RD 5280 S OLD 3C HWY 5172 S OLD 3C HWY
8 3 9 3 10 3	31724005027000 31724005028002 31724005032000	RAMMELSBERG DENNIS H DINAH R	
9 3	31724005028002 31724005032000		5172 S OLD 3C HWY
10 3	31724005032000	RAMMELSBERG JOSEPH K	
			5140 S OLD 3C HWY
11 3	31724005039000	DAVIS LORNA L	7380 BIG WALNUT RD
	31724003033000	MATHIAS JAMES G & NANCY J	7172 BIG WALNUT RD
13 3	31724003004000	BD TWP TRUSTEES GENOA TWP	BIG WALNUT RD
15 3	31724003012000	NAGRA ARJUN P & SARA B	7311 BIG WALNUT RD
16 3	31724003014000	SANFILLIPO REGINA L	7363 BIG WALNUT RD
17 3	31724003016000	MULLINS HAL E TRUSTEE	7421 BIG WALNUT RD
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24 3	31724005034000	SEEGER CARL H LOIS A	7340 BIG WALNUT RD
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28 3	31724005042000	ARGOE NANCY	7160 BIG WALNUT RD
30 3	31724003010000	ROSHON TED & MARY	7227 BIG WALNUT RD
31 3	31724003015000	GREEN F EUGENE & PATRICIA L	7381 BIG WALNUT RD
33 3	31724003018001	EVANS HAROLD M HELEN JEAN	BIG WALNUT RD
34 3	31724003026000	GENOA TOWNSHIP TRUSTEES	4848 S OLD 3C HWY
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38 3	31724005036000	BERGER KAI P & AMY E	7270 BIG WALNUT RD
39 3	31724005037000	SMITH MICHAEL RAY & COLETTE ANN	7240 BIG WALNUT RD
40 3	31724005041001	THOMPSON SHANNON L EILEEN M	7166 BIG WALNUT RD
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70 3	31724005009000	BOARD OF TOWNSHIP TRUSTEES OF GENOA TWP	5111 S OLD 3C HWY

STA 26+31 End 10" Subsurface Drain End Drainage Maintenance `Tile Breather-18+00 <u>STA 17+60</u> Change from 12" to 10" Pipe 31 Begin 12" Subsurface Drain Connect to Existing Catch Basin Begin Drainage Maintenance

NORTH MAIN SUBSURFACE DRAIN

PLAN VIEW

