

VILLAGE OF GRANVILLE NEWARK GRANVILLE ROAD IMPROVEMENTS

CONTRACT NO. BB-G01-02

SHEET INDEX

- COVER SHEET
GENERAL NOTES, DETAILS & ESTIMATE
OF QUANTITIES
STREET PLANS

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BENCH MARKS

- BENCH MARK #1
"X" on South Bolt, Top Flange of Fire Hydrant Located on the
South Side of Newark-Granville Road 686± East of Clear Run Creek.
Elev. 944.35
- BENCH MARK #2
"X" on South Bolt, Top Flange of Fire Hydrant Located on the
South Side of Newark-Granville Road 1,015± East of Clear Run Creek.
Elev. 944.66
- BENCH MARK #3
"X" on South Bolt, Top Flange of Fire Hydrant Located on the
South Side of Newark-Granville Road 300± East of Clear Run Creek.
Elev. 942.10

LEGEND

- | | | |
|--------|--------|---|
| □ Sign | ● CV | Gas Valve |
| □ Sign | ○ GS | Gas Service |
| □ Sign | □ GM | Gas Meter |
| □ Sign | □ | Gas Flag |
| □ Sign | □ | Gas Marker |
| □ Sign | □ | Clean Out |
| □ Sign | □ C.O. | Existing Catch Basin |
| □ Sign | □ C.B. | Existing Manhole w/Top of Casting Elev. |
| □ Sign | □ | Existing Curb Inlet w/Top of Casting Elev. |
| □ Sign | □ | Proposed Catch Basin |
| □ Sign | □ | Proposed Manhole w/Top of Casting Elev. |
| □ Sign | □ | Proposed Curb Inlet w/Top of Casting Elev. |
| □ Sign | □ | Adjust Structure to Grade |
| □ Sign | □ | Replace Casting and Adjust Structure to Grade |
| □ Sign | □ | Down Spout |
| □ Sign | □ | Roof Drain |
| □ Sign | □ | Water Meter |
| □ Sign | □ | Water Service |
| □ Sign | □ | Monitoring Well |
| □ Sign | □ | Antenna |
| □ Sign | □ | Mail Box |
| □ Sign | □ | Flagpole |
| □ Sign | □ | Deciduous Tree |
| □ Sign | □ | Evergreen Tree |
| □ Sign | □ | Dead Tree |

NOTE:
Contractor to furnish in addition to Signage shown:
6 Portable "One Lane Road Ahead" Signs
6 Portable "Road Construction Ahead" Signs
6 Portable "Flagman Ahead" Signs

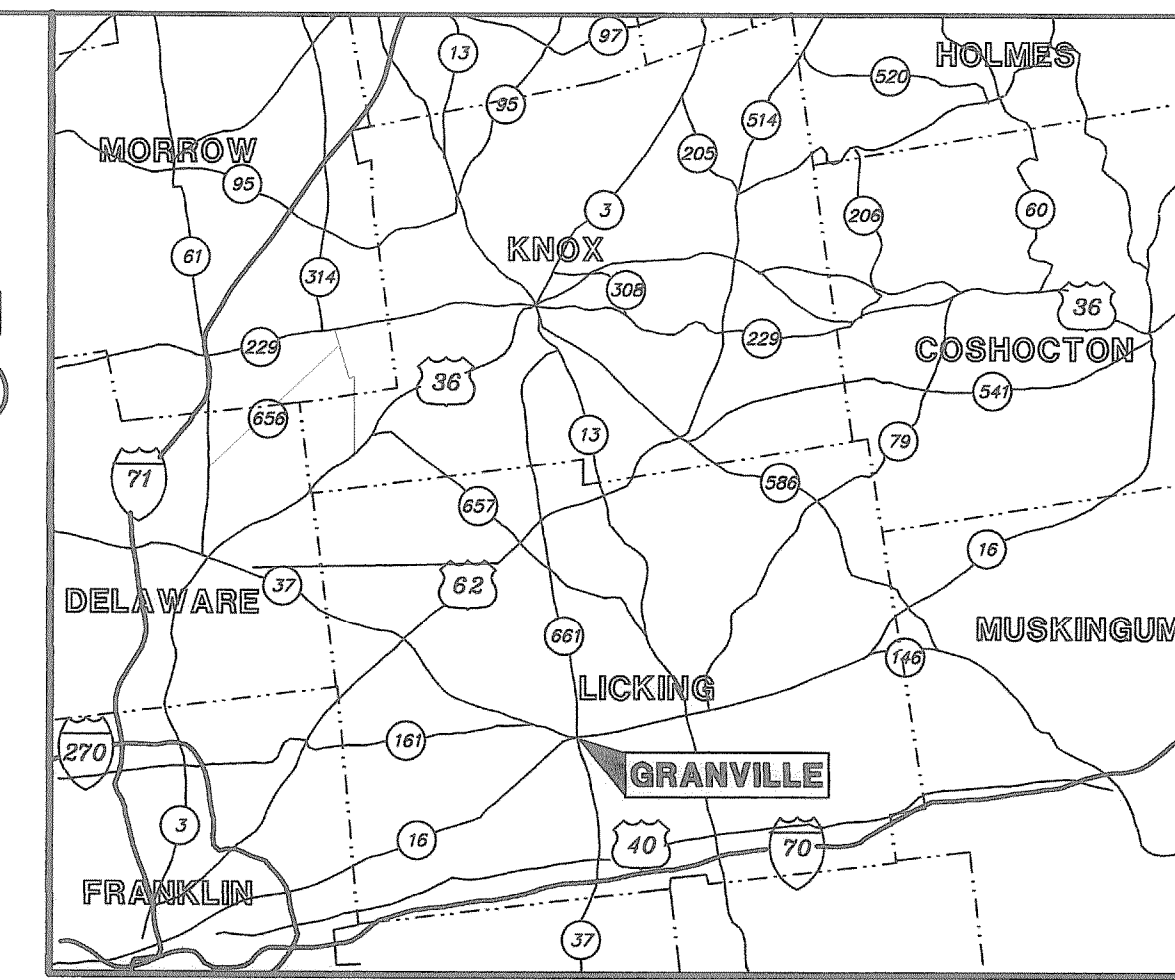
MAINTENANCE OF TRAFFIC AND LOCATION MAP

No Scale

STANDARD DRAWINGS
The Standard Drawings listed on these plans
shall be considered a part thereof.

ODOT
2-2-B
BP-4.1
BP-5.1
BP-7.1
CB-1.1
Village of Granville
7
19
32

2 WORKING DAYS
BEFORE YOU DIG
CALL TOLL FREE 800-362-2764
OHIO UTILITIES PROTECTION SERVICE



VICINITY MAP
NTS

VILLAGE OFFICIALS

MAYOR
LYN ROBERTSON
VICE MAYOR
BILL WERNET

COUNCIL
DANIEL BELLMAN
CLIFTON CRAIS
BARBARA LUCIER
MATT MCGOWAN
CANDALA MOORE

VILLAGE MANAGER
JOSEPH HICKMAN

FINANCE DIRECTOR
MOLLY ROBERTS

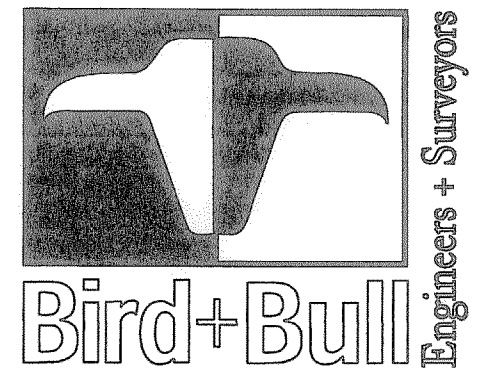
CLERK
BEVERLY ADZIC

SOLICITOR
MICHAEL CRITES

SERVICE DIRECTOR
MARK ZARBAUGH

APPROVALS

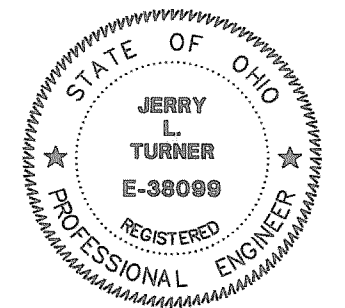
Joseph Hickman 1-31-02
JOSEPH HICKMAN - VILLAGE MANAGER
Mark Zarbaugh 1/30/02
MARK ZARBAUGH - SERVICE DIRECTOR
Jerry L. Turner 01/30/02
JERRY L. TURNER, P.E. OHIO ENGINEER No. 38099



C.F. BIRD & R.J. BULL, INC.
Engineers and Surveyors
2875 W. Dublin-Granville Road
Columbus, Ohio 43235

CONSULTANTS

SEALS



VILLAGE OF GRANVILLE
NEWARK-GRANVILLE ROAD
IMPROVEMENTS
CONTRACT NO. BB-G01-02

OWNER
VILLAGE OF GRANVILLE
LICKING COUNTY, OHIO

Mark Date Description

ISSUE:

PROJECT NO: 01-132

CAD DWG FILE: NewGranRd1.dwg

DRAWN BY: DALE E. SPANGLER

DESIGNED BY: FREDERIC J. SMITH, P.E.

CHECKED BY: FREDERIC J. SMITH, P.E.

REVIEWED BY: JERRY L. TURNER, P.E.

SCALE

HORIZONTAL SCALE: N/A

VERTICAL SCALE: N/A

SHEET TITLE

COVER SHEET

SHEET 1 OF 16

H:\Jobs\land projects\2001\132\dwg\Street\NewGranRd2.dwg 02/04/02 08:08:55 AM EST

GENERAL

The requirements of the Village of Granville, along with the State of Ohio Construction and Material Specifications, dated 1997, including special provisions and supplemental specifications listed in the proposal shall govern this improvement, unless noted otherwise. The term Engineer shall be interpreted to mean the Village Engineer, Village of Granville, Ohio. Any modification to the Specifications or to the work shown on these drawings must have written approval from the Engineer.

EXISTING UTILITIES

The identity & location of the existing underground utilities known to be located in the construction area have been shown on the plans as accurately as provided by the utility owner as required by Section 153.64 O.R.C. Location, support and restoration of all existing utilities and appurtenances shall be the responsibility of the Contractor. It shall be the responsibility of the Contractor, prior to any construction, to determine in the field the actual location and elevations of all existing utilities whether shown on the plan or not. The contractor shall call the Ohio Utilities Protection Service at 1-800-362-2764 and other independent agencies 72 hours prior to any construction. The Village of Granville and the Design Engineer assume no liability as to the accuracy, depth, or any additional costs including delays as a result of the location of the underground utility.

This project requires some relocation of utility lines. The contractor is responsible for coordinating with the utility companies for the relocation of these utilities. Relocation costs for all utilities, except those owned by the Village of Granville, will be assumed by the utility owner. The contractor shall assume all costs associated with relocating Village of Granville utility lines.

LIST OF PUBLIC & PRIVATE UTILITY OWNERS

Telephone: Alltel 66 N. Fourth Street Newark, Ohio 43055 (740) 349-8551	Sanitary Sewer: Village of Granville 141 E. Broadway Granville, Ohio 43023 (740) 587-2304
Electric: Ohio Power 777 Hopewell Drive Heath, Ohio 43056 (800) 672-2231	Storm Sewer: Village of Granville 141 E. Broadway Granville, Ohio 43023 (740) 587-1880
Gas: Columbia Gas of Ohio 135 W. Church Street Newark, Ohio 43055 (740) 345-3481	Water Lines: Village of Granville 141 E. Broadway Granville, Ohio 43023 (740) 587-0165
Cable: Cox Communications 111 N. 11th. Street Newark, Ohio 43055 (740) 345-4000	

EXPOSE

The Contractor shall expose any utility or structure in order to verify the alignment, depth & material type.

TREES

All trees, whether shown or not shown on the plans, are to be preserved unless approval to remove is given in writing by the Village. Special care shall be taken to avoid damages to trees and their root systems. Machine excavation shall not be used when, in the opinion of the Village, it would endanger any tree roots. In general, where the line of trench falls within 10 feet of the center of a tree not to be removed, the Village shall be notified (prior to excavation) for their determination on how best to proceed. The operation of all equipment, particularly when employing booms, the storage of materials, and the deposition of excavation, shall be conducted in a manner which will not injure trees, trunks, branches, or their roots unless such trees are designated by the Village's Representative for removal.

BACKFILL OPERATIONS

Pipe laying operations, shall be controlled such that no more trench shall be opened than can be backfilled (including temporary pavement patch) in the same day. Backfilling operations, shall remain within 50 feet of the excavation operation for new pipe. At the conclusion of each day's pipe laying operations, the streets shall be cleaned and swept to the Village's satisfaction.

PROPERTY ACCESS

Ingress and egress to all properties shall be maintained at all times.

SIGNS, FENCES, SHRUBS, ETC.

All signs, fences, shrubs, drainage structures or other physical features disturbed or damaged during work under this contract shall be restored to their original condition by the Contractor.

When road or street name signs and supports interfere with construction, the Contractor shall remove and erect them in a temporary location during construction in a manner satisfactory to and as directed by the Engineer. After completion of construction and before final acceptance of the project, the Contractor shall erect the road or street name signs and supports in a permanent location in accordance with the plans unless otherwise directed by the Engineer.

REPLACEMENT OF DRAIN TILE AND STORM SEWERS

All drain tile including roof drains and sump pump discharges placed through the curb and storm sewers damaged, disturbed or removed as a result of the Contractor's operations shall be replaced with a section of SDR 35 PVC pipe equal to the diameter & length of the section removed and connected to the existing pipe with a rubber boot approved by the Village, while maintaining the same gradient as existing. Replaced drain tile shall be laid on compacted bedding equal in density to surrounding stratum. No source of clean water shall be connected to the sanitary sewer system.

PERMITS

The Contractor shall obtain all necessary permits prior to the start of construction. All work shall be performed in accordance with all applicable Village, County, & State requirements.

SAFETY REQUIREMENTS

The Contractor and all Subcontractors shall be solely responsible for complying with all federal, state and local safety requirements, together with exercising precautions at all times for the protection of persons (including employees) and property. It is also the sole responsibility of the Contractor and all Subcontractors to initiate, maintain and supervise all safety requirements, precautions and programs in connection with the work.

SANITARY FACILITIES

The Contractor shall furnish and maintain sanitary convenience facilities for the workers and inspectors for the duration of the work.

BENCH MARKS

All elevations are based upon USGS NAVD 29 Datum.

MONUMENTS

Any property corners or monuments destroyed or disturbed during construction shall be replaced or reset by a Registered Surveyor at the Contractor's expense.

SUBSURFACE CONDITIONS

It is the obligation and responsibility of the Contractor to make his own investigations of subsurface conditions prior to submitting his proposal. Subsurface investigations were not made by the Engineer.

MAIL BOXES

Mailboxes within the limits of the work area shall be relocated as required and directed by Engineer, payment shall be included in bid price.

MAINTAINING MAIL SERVICE

The contractor shall be responsible for maintaining mail service in the construction area prior to disturbing any mail boxes. The Contractor shall contact the postal authorities and shall temporarily relocate mail boxes in accordance with the requirements. Therefore, the Contractor shall restore mail boxes to their original condition and location.

SEEDING AND MULCHING

Quantities for seeding are calculated for the soil areas between the work limits. The cost of fertilizing is to be included in the price bid for Item 659, Seeding and Mulching.

PROTECTION OF LANDSCAPING

The Contractor shall take all necessary precautions to protect and save all landscaping, including irrigation system, walls, shrubs, plants, flowers, etc., which are adjacent to the line of work and shall remove only those features which are designated for removal on the plans or as directed by the Owner.

MAINTAINING DRAINAGE

The flow in all sewers, drains and watercourses encountered shall be maintained by the Contractor at his own expense, and whenever such watercourses and drains are disturbed or destroyed during the prosecution of the work, they shall be restored by the Contractor at his own cost and expense to a condition satisfactory to the Engineer.

SAWING PAVEMENT

Where necessary to disturb pavements or drives, the pavement shall be saw cut in neat, straight lines. The sawcut shall be at least two inches.

PAVEMENT MARKINGS

All pavement markings disturbed during construction shall be restored to original or better condition.

RIGHTS-OF-WAY

In addition to direct requirements of the Contract Specifications, the Contractor shall observe and conform to the specific requirements of all rights-of-ways including easements, court entries, rights of entry or action filed in court in accordance with the code of applicable governing agency. The Contractor shall not trespass upon private property without the written consent of the owner.

WORK IN RIGHT-OF-WAY

No materials, including pipe, shall be stored within the right-of-way or within 100 feet of any intersecting street, alley, or driveway. During non-working hours, storage of equipment shall comply with these same requirements. Compliance with these requirements shall not in any way relieve the Contractor of his legal responsibilities or liabilities for the safety of the public.

All areas within the right-of-way, including fence, sidewalk, curb, that are disturbed by this project, shall be restored to original or better condition per Item 607 - Fence, Item 608 - Walks, Curbs Ramps and Steps, Item 609 - Curbs, Item 659 - Seeding & Mulching or other applicable specification.

The Contractor shall dispose of all surplus excavation in accordance with Item 203.05. Ingress & Egress shall be maintained at all times to public & private property.

All excavated material shall be worked in such a manner that will not endanger the work nor obstruct the walks and driveways, hydrants under pressure, valve pits, manhole covers, valve boxes, inlets, fire and police call boxes or other utilities shall be unobstructed and accessible at all times. Gutters shall be kept clear or other satisfactory provisions made for street drainage, and natural water courses shall not be obstructed. The final trimming of the bottom and side of the excavation against which masonry is to be built, shall be done just before the concrete is placed.

Roadway, storm drainage, i.e. ditches, pipes and culverts shall not be obstructed during construction. Temporary erosion and sedimentation measures are to be installed and maintained by the Contractor to prevent siltation of drainage ditches, sewers, culverts etc..

CONCRETE DRIVE APPROACH

This item shall consist of the removal of the existing pavement in the designated area and replaced with a 6", unless noted otherwise, Item 452 Plain Portland Cement Concrete Pavement. Payment shall be made under Item 253, Concrete Drive Approach.

WALKS

This item shall include all requirements in Item 608, Concrete Walk. Concrete walk shall be 4" thick with concrete walk through drives being 6" thick. Expansion joint filler (1/2" thick) shall be installed every 35' on center, minimum. Expansion joint filler shall be installed the width of the sidewalk at all drive edges. The sidewalk shall be gently deflected around trees, utility poles and other obstructions as directed by the Engineer.

SIGNS

This item shall consist of erecting signs as shown on the Striping and Signage Plan, and as required by Item 630, Traffic Signs and Sign Supports. All required appurtenances shall be included in this item, including sign supports, removal, storage and re-erection of existing signs and supports, and new signs required. Payment shall be made under Item 630, Signs Erected, Flat Sheet, as per plan.

TEMPORARY SOIL EROSION AND SEDIMENT CONTROL

This item shall consist of temporary control measures as ordered by the Engineer during the life of the contract to control soil erosion and sedimentation through the use of stray or hay bales and filter fabrics. Payment shall be made under Item 207 Straw or Hay Bales and Item 207 Filter Fabric Fence.

CLEANUP

TRACKING OF MUD & CLEAN UP

The tracking of mud, dirt, debris or spillage of some upon Village streets, residential or commercial drives, sidewalks, or bike paths is prohibited and any such occurrence shall be cleaned up immediately by the Contractor. At the end of the day, the Contractor shall clean up & dispose of all debris and material resulting from his operation and restore all surfaces and structures to their original condition.

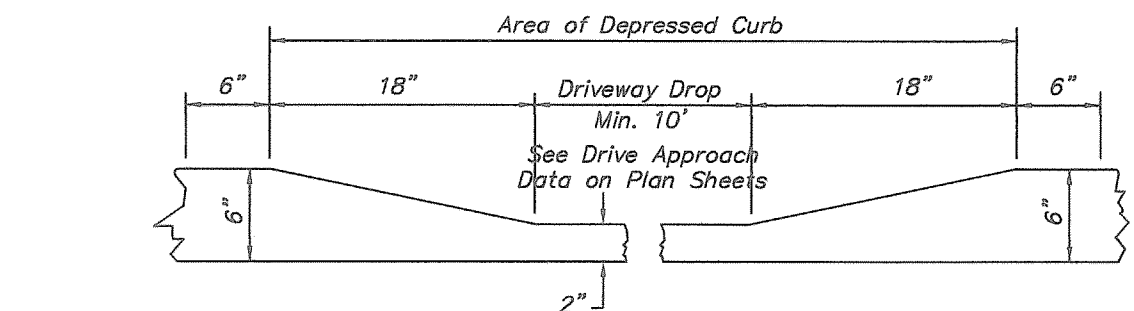
SCHEDULING

WORK HOURS

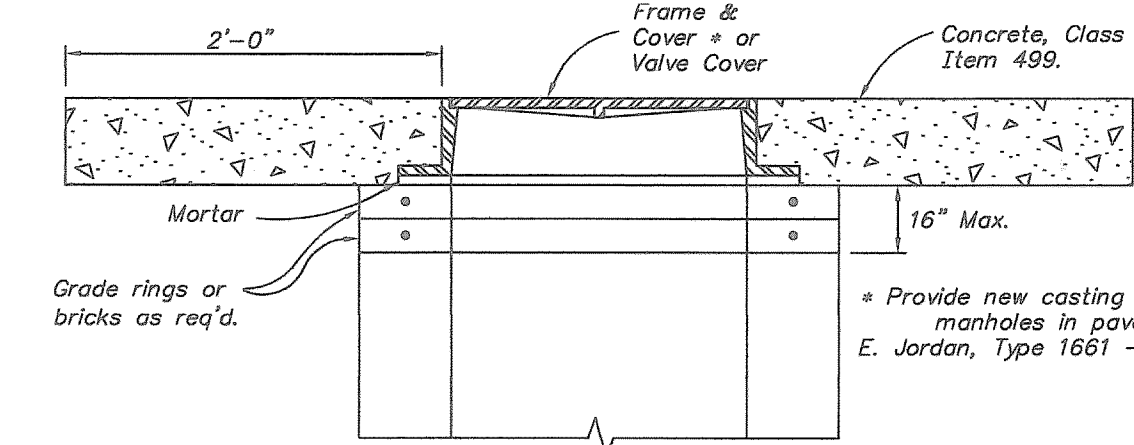
Working hours are limited to 7:00 A.M. to 6:00 P.M. Monday through Saturday.

SEQUENCE OF CONSTRUCTION

At the preconstruction conference, the Contractor shall submit a proposed schedule reflecting all work that is to be conducted.



DROP CURB DETAIL
(At Back of Curb)
Not to Scale



MANHOLE/VALVE COVER PAVEMENT DETAIL
Not to Scale

TRAFFIC

MAINTAINING TRAFFIC

All traffic control devices shall be furnished, erected, maintained and removed by the Contractor in accordance with the "Ohio Manual of Uniform Traffic Control Devices for Construction and Maintenance Operations". Copies of these manuals are available from the Ohio Department of Transportation, Bureau of Traffic, 25 South Front Street, Columbus, Ohio 43215.

The roadway shall not be opened to traffic until permanent traffic controls are in place, or until temporary traffic controls, approved by the Engineer, are installed. This includes plating or temporary pavement replacement for any open excavation. The Contractor assumes all liability for the premature removal of temporary traffic controls.

A Maintenance of Traffic Control Plan (MTCOP) shall be submitted to the Village of Granville (587-0707) at the pre-construction meeting or a minimum of (10) working days prior to beginning work. Copies of the approved MTCOP shall be given to the Engineer and kept on the project along with the street closure permit.

All permanent traffic controls not in conflict with the temporary traffic controls shall be maintained throughout this project by the Contractor. Permanent traffic controls may be masked or temporarily relocated, as approved by the Engineer. The Contractor shall assume all liability for missing, damaged and improperly placed signs.

Type "C" steady burn lights shall be used all on barricades, drums and similar traffic control devices in use at night. Cones are not approved for use at night.

Two-way, one lane traffic may be maintained during construction operations in accordance with Page C-18 of The Ohio Manual. A uniformed officer shall be substituted for each flagman shown on this page and such officers shall be present whenever two-way, one lane operation is in effect. Manual control of traffic by anyone other than a police officer is not permitted.

Any "STOP" or "YIELD" signs removed during construction shall be replaced before the Contractor leaves the work site for the day.

Any work done by the Village of Granville, including installation, relocation, removal and/or replacement of permanent traffic control devices as a result of work done by the Contractor or as a result of the NEGLIGENCE of the Contractor shall be at the expense of the Contractor.

No excavation shall be made within five (5) feet of any pole that supports traffic signal displays or signs by mast arm signal span. Excavation within eight (8) feet but more than five (5) feet shall require additional support (down guy, head guy, base guy, etc.). The Contractor shall install such supports. Cost to be included under related items.

All permanent pavement markings and traffic control signs as shown on this plan shall be installed by the Contractor at his expense. The Granville Service Department shall be notified at (587-1880) a minimum of two (2) working days prior to the installation of permanent pavement markings to inspect and approve the pavement marking layout prior to placing permanent markings.

Signs, signals, and devices shall be provided at approaches to site and on site, nearby crossroads, detours, parking areas, and elsewhere as needed to direct construction and affected public traffic. Install and operate traffic control signals to direct and maintain orderly flow of traffic in areas under Contractor's control, and areas affected by Contractor's operations. Relocate as Work progresses, to maintain effective traffic control. Payment for maintaining traffic will be made at the contract unit price bid for Item 614.

EMERGENCY PHONE NUMBER

The Contractor shall provide the Village of Granville with a 24 hour telephone number to readily contact a responsible party in the case of an emergency. Costs and/or damages incurred related to work performed by the Contractor in such emergencies are the Contractor's responsibility and not that of the Village of Granville.

NOTIFICATION

NOTIFICATION

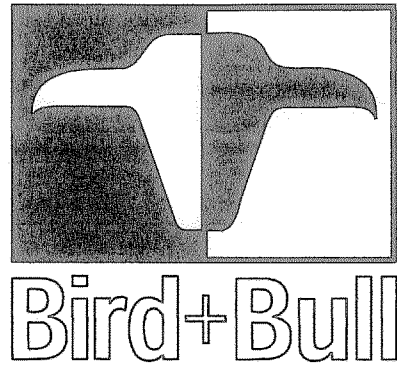
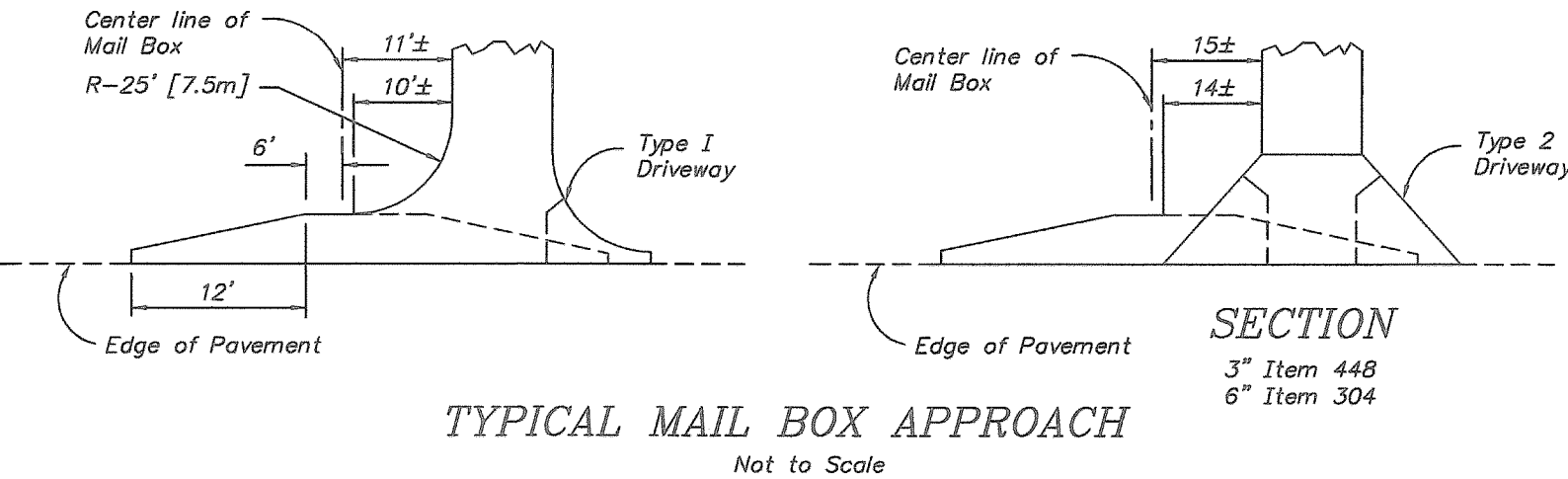
The Village Manager shall be notified in writing at least three (3) working days prior to the start of construction in order that inspection may be provided.

The work of this contract shall not interfere with the continuous flow in, or the operation of, the existing sanitary sewer, storm sewer system, water lines, power, telephone, cable TV, gas or any other system that may be encountered during construction. The Contractor is responsible for protecting and maintaining all poles and relocating any utility that impedes construction. Nothing shall be done by any other Contractor for this project which will in any way reduce the quality or quantity level of such operations. The Contractor shall notify the owner (1) week prior to modifying any facilities. No payment will be made for any utility maintenance unless specifically noted as a bid item in the proposal.

ESTIMATE OF QUANTITIES				
ODOT ITEM NO.	QUANTITY	UNIT	DESCRIPTION	
1	202	245	S.Y.	Remove / Dispose Existing Concrete Pavement
	202	1	Ea.	Remove / Dispose Existing Catch Basin
	202	930	S.Y.	Remove / Dispose Existing Pavement
	202	3450	S.F.	Remove / Dispose Existing Sidewalk
	203	700	C.Y.	Excavation / Compacted Embankment
	207	Lump	Sum	Temporary Seeding / Mulching
	253	35	S.Y.	Pavement Replacement Type "A"
	254	9160	S.Y.	Pavement Planing
	304	2550	S.Y.	8" Aggregate Berm
	304	50	C.Y.	Compacted Granular Backfill
	407	5915	Gal.	Bituminous Tack Coat
	448	6275	Ton	Asphalt Concrete
1	452	245	S.Y.	6" Concrete Drive Approach
	608	4700	S.F.	Concrete Walk with Curb
	609	1130	L.F.	Concrete Curb Type 6
	653	200	C.Y.	Topsoil Furnished & Placed
	659	Lump	Sum	Permanent Seeding / Mulching
				Storm Sewer
	603	8	L.F.	12" Pipe w/ Type 1 Bedding
	604	1	Ea.	Catch Basin (ODOT) 2-2-B
	604	1	Ea.	Curb Inlet Type "B"
	605	1990	L.F.	4" Underdrain, Complete
				Traffic Control
	614	Lump	Sum	Maintaining Traffic
	644	25480	L.F.	Solid 5" Double Yellow
	644	24200	L.F.	Edge Line 5" White
	644	1	Ea.	Crosswalk - 8"
	644	3	Ea.	School Symbol Marking - 8"
	Special	49	Ea.	Mail Box Approach (Complete)

NOTE RE: ESTIMATE OF QUANTITIES

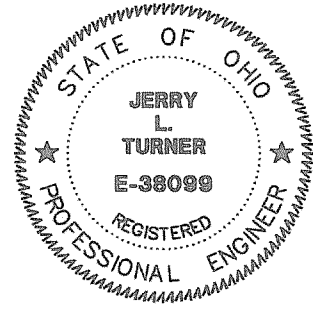
These quantities are approximate only and are not to be used for preparation of cost estimates, bids, or any other estimating purpose without verification by the user. Any discrepancies in the quantities shall be brought immediately to the attention of the ENGINEER for evaluation.



C.F. BIRD & R.J. BULL, INC.
Engineers and Surveyors
2875 W. Dublin-Granville Road
Columbus, Ohio 43235

CONSULTANTS

SEALS



VILLAGE OF GRANVILLE
NEWARK-GRANVILLE ROAD
IMPROVEMENTS
CONTRACT NO. BB-G01-02

OWNER

VILLAGE OF GRANVILLE
LICKING COUNTY, OHIO

	02/04/02	Concrete Approach
Mark	Date	Description

ISSUE:

PROJECT NO:	01-132
CAD DWG FILE:	NewGranRd2.dwg
DRAWN BY:	DALE E. SPANGLER
DESIGNED BY:	FREDERIC J. SMITH, P.E.
CHECKED BY:	FREDERIC J. SMITH, P.E.
REVIEWED BY:	JERRY L. TURNER, P.E.

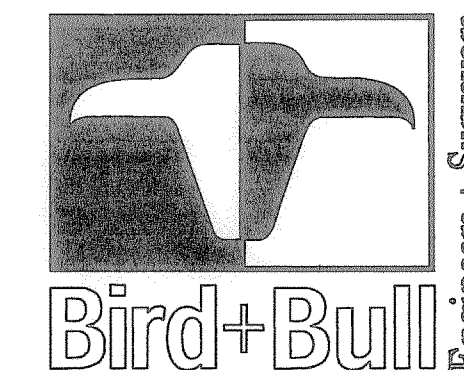
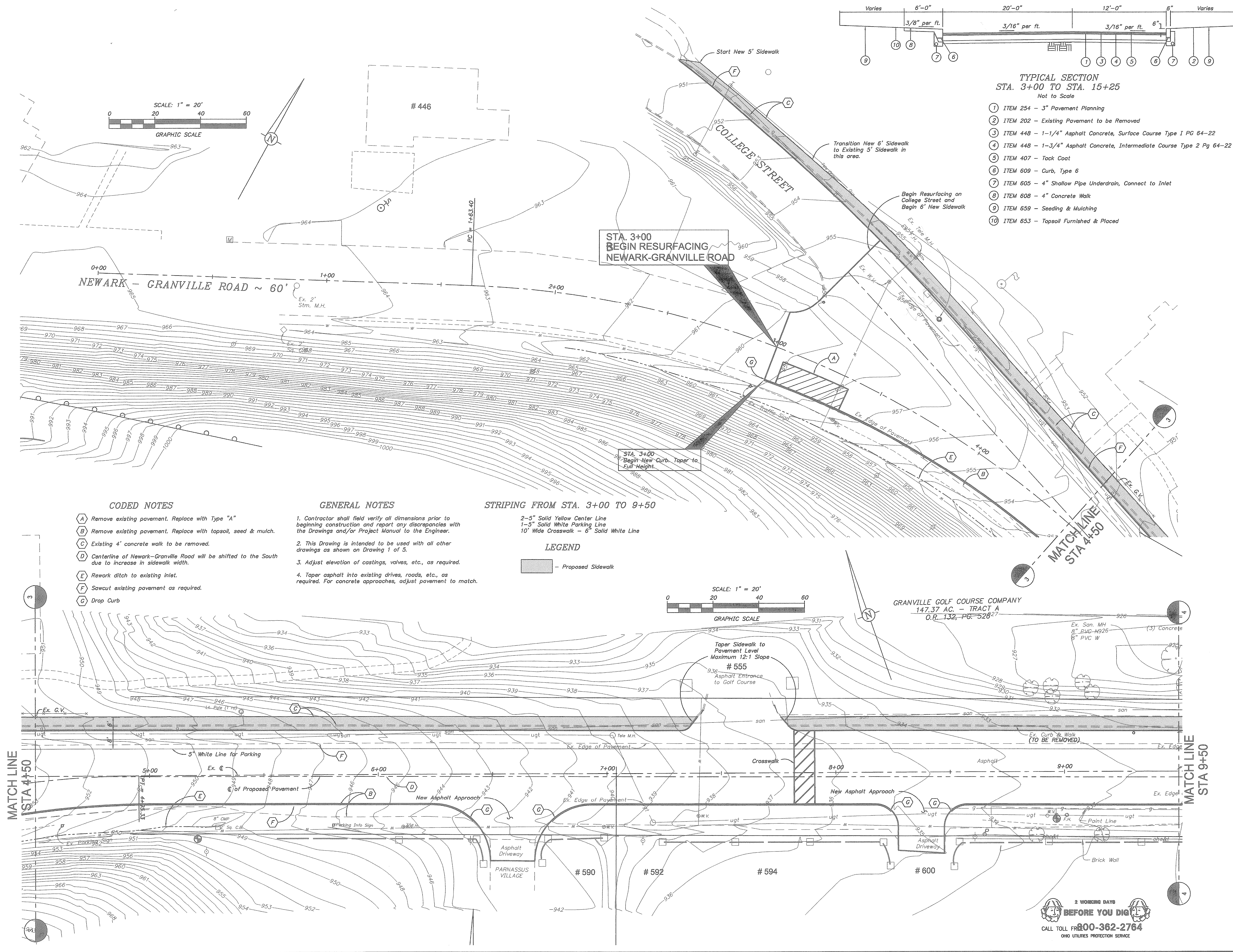
SCALE

HORIZONTAL SCALE: N/A
VERTICAL SCALE: N/A

SHEET TITLE

GENERAL NOTES, DETAILS AND ESTIMATE OF QUANTITIES

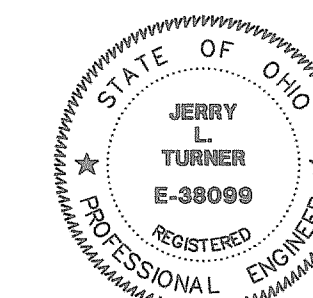
SHEET 2 OF 16



C.F. BIRD & R.J. BULL, INC.
Engineers and Surveyors
2875 W. Dublin-Granville Road
Columbus, Ohio 43235

CONSULTANTS

SEALS



VILLAGE OF GRANVILLE
NEWARK-GRANVILLE ROAD
IMPROVEMENTS
CONTRACT NO. BB-G01-02

OWNER

VILLAGE OF GRANVILLE
LICKING COUNTY, OHIO

Mark	Date	Description

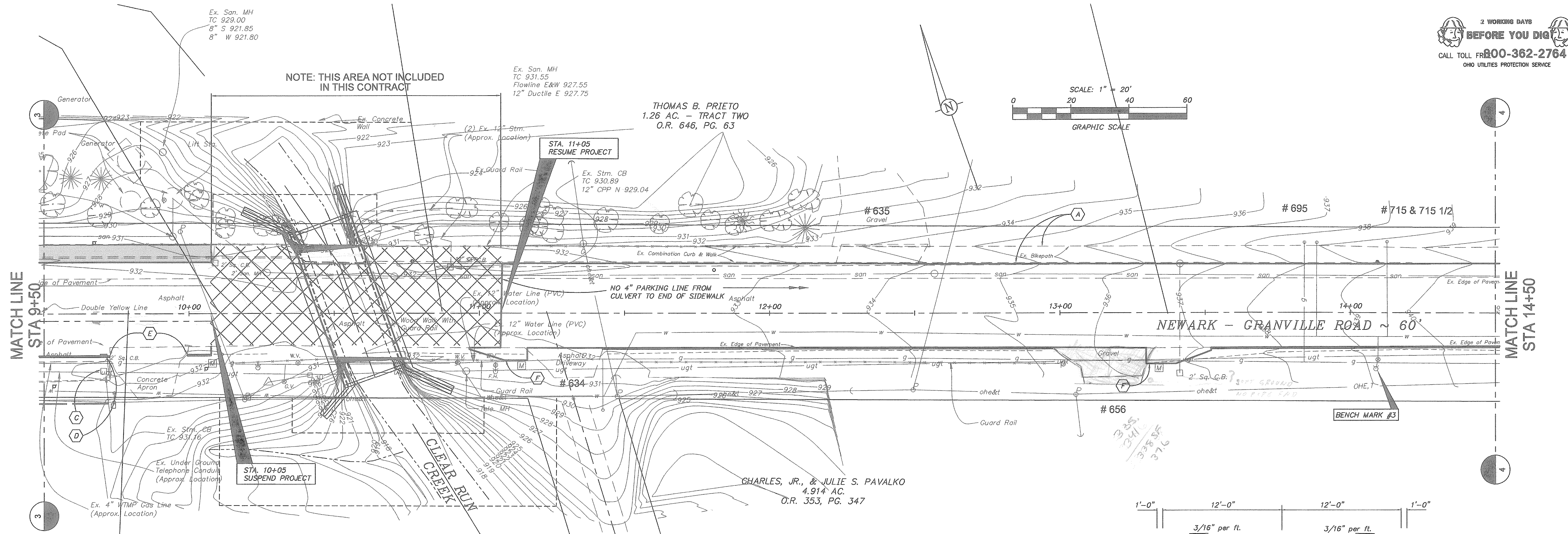
SCALE
HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: N/A

SHEET TITLE

STREET PLAN
STA 0+00
TO
STA 9+50

SHEET 3 OF 16

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GENERAL NOTES

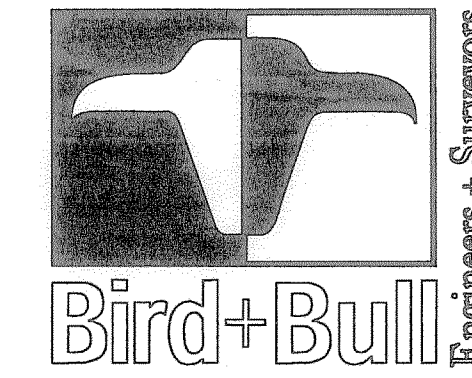
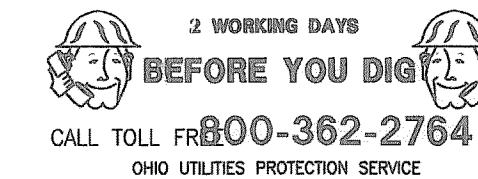
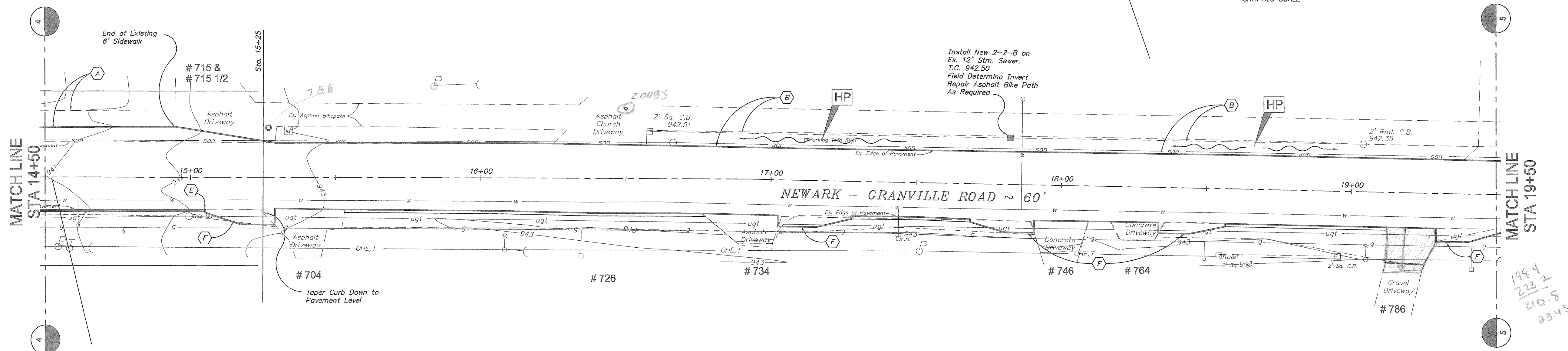
- Contractor shall field verify all dimensions prior to beginning construction and report any discrepancies with the Drawings and/or Project Manual to the Engineer.
- This Drawing is intended to be used with all other drawings as shown on Drawing 1 of 5.
- Adjust elevation of castings, valves, etc., as required.
- Taper asphalt into existing drives, roads, etc., as required. For concrete approaches, adjust pavement to match.
- Field verify mailbox location and adjust mailbox approach as necessary. See Sheet 3/16 for Typical Mailbox Approach Detail.

CODED NOTES

- (A) Existing 6" concrete curb and sidewalk to remain.
(B) Regrade lawn area to inlets as required including seeding and mulching
(C) Remove existing catch basin
(D) Install new curb inlet and extend 12" pipe as required.
(E) Drop Curb
(F) Mail Box Approach

LEGEND

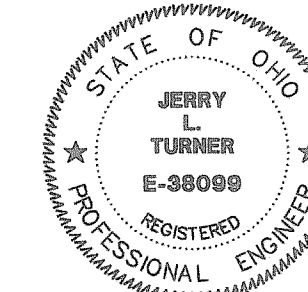
Proposed Sidewalk



C.F. BIRD & R.J. BULL, INC.
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2875 W. Dublin-Granville Road
Columbus, Ohio 43235

CONSULTANTS

SEALS



VILLAGE OF GRANVILLE
NEWARK-GRANVILLE ROAD
IMPROVEMENTS
CONTRACT NO. BB-G01-02

OWNER

VILLAGE OF GRANVILLE
LICKING COUNTY, OHIO

Mark	Date	Description
ISSUE:		
PROJECT NO:	01-132	
CAD DWG FILE:	NewGranRd3.dwg	
DRAWN BY:	DALE E. SPANGLER	
DESIGNED BY:	FREDERIC J. SMITH, P.E.	
CHECKED BY:	FREDERIC J. SMITH, P.E.	
REVIEWED BY:	JERRY L. TURNER, P.E.	

SCALE

HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: N/A

SHEET TITLE

STREET PLAN
STA 9+50
TO
STA 19+50

SHEET 4 OF 16