

| ITEM | TOTAL | UNIT  | DESCRIPTION   |
|------|-------|-------|---|
| 202  | 1     | EACH  | CATCH BASIN REMOVED   |
| 202  | 50    | FT    | CONDUIT REMOVED, UNDER 12" (CONTINGENCY)  |
| 203  | 105   | CU YD | EXCAVATION, AS PER PLAN   |
| 204  | 170   | SQ YD | SUBGRADE COMPACTION   |
| 207  | 4     | EACH  | INLET PROTECTION  |
| 252  | 60    | FT    | FULL DEPTH PAVEMENT SAWING  |
| 254  | 351   | SO YD | PAVEMENT PLANING, 0-3", AS DIRECTED BY ENGINEER                                     |
| 301  | 19    | CU YD | ASPHALT CONCRETE BASE, PG64-22 (ODOT)   |
| 304  | 19    | CU YD | AGGREGATE BASE  |
| 448  | 23    | CU YD | ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, PG64-22 (ODOT)                        |
| 448  | 23    | CU YD | ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG64-22 (ODOT)                             |
| 604  | 2     | EACH  | MANHOLE, TYPE "C"   |
| 604  | 2     | EACH  | STANDARD CATCH BASIN WITH HEAVY DUTY GRATE AND FRAME                                |
| 604  | 1     | EACH  | MANHOLE, ADJUSTED TO GRADE  |
| 605  | 180   | FT    | 4" PIPE UNDERDRAIN  |
| 807  | 3     | EA    | SERVICE BOX ADJUSTED TO GRADE   |
| 901  | 155   | FT    | 12" WATERTIGHT PIPE, WITH TYPE I BEDDING, WITH ITEM 912 COMPACTED GRANULAR MATERIAL |
| 901  | 50    | FT    | 6" WATERTIGHT PIPE, WITH TYPE I BEDDING, WITH ITEM 912 COMPACTED GRANULAR MATERIAL  |
| SPEC | 10    | SQ YD | PAVEMENT REPAIR (PER STD. DWG. 1441)  |
| SPEC | 7     | EACH  | UTILITY TEST HOLE   |
| 614  | LUMP  |       | MAINTAINING TRAFFIC, AS PER PLAN  |
| 623  | LUMP  |       | CONSTRUCTION LAYOUT STAKING   |

**PROJECT NOTES:** THE REGULATIONS AND CONSTRUCTION STANDARDS OF THE CITY OF HILLIARD, TOGETHER WITH THE CURRENT CONSTRUCTION AND MATERIAL SPECIFICATIONS OF THE CITY OF COLUMBUS (CMSC) AND THE OHIO DEPARTMENT OF TRANSPORTATION (ODOT) SHALL GOVERN ALL CONSTRUCTION ITEMS THAT ARE A PART OF THIS PLAN UNLESS OTHERWISE NOTED.

ALL ITEMS OF WORK CALLED FOR ON THE PLANS FOR WHICH NO SPECIFIC METHOD OF PAYMENT IS PROVIDED SHALL BE PERFORMED BY THE CONTRACTOR WITH THE COST TO BE INCLUDED IN THE UNIT PRICE BID FOR THE VARIOUS RELATED ITEMS.

THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS.

THE CONTRACTOR SHALL CALL TOLL FREE, THE OHIO UTILITIES PROTECTION SERVICE (OUPS) AT 1-800-362-2764 SEVENTY-TWO (72) HOURS IN ADVANCE OF THE ANTICIPATED START OF CONSTRUCTION, AND SHALL NOTIFY ALL UTILITY COMPANIES AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO WORK IN THE VICINITY OF THEIR LINES. THE CONTRACTOR SHALL ALSO CALL THE OIL AND GAS PRODUCERS AND SUPPLIERS AT 1-800-925-0988.

EXISTING UTILITIES SHOWN ON THE PLAN ARE FROM THE BEST AVAILABLE RECORDS AND FIELD INVESTIGATION AND ARE NOT NECESSARILY COMPLETE OR CORRECT. THE CONTRACTOR IS RESPONSIBLE FOR THE INVESTIGATION, LOCATION, SUPPORT, PROTECTION AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES WHETHER SHOWN OR NOT.

**CONSTRUCTION SEQUENCE:** THE FOLLOWING IS A SUGGESTED SEQUENCE OF CONSTRUCTION FOR THIS PROJECT. THE CONTRACTOR MAY, IN LIEU OF THIS METHOD OF OPERATION, SUBMIT IN WRITING, HIS OWN METHOD OF OPERATION TO THE ENGINEER FOR REVIEW AND APPROVAL. HOWEVER, PLANS WILL HAVE TO BE REVIEWED AND APPROVED BY THE ENGINEER.

1. CONSTRUCT STORM SEWER BETWEEN THE HOURS OF 6PM TO 12AM MONDAY THRU FRIDAY OR DURING THE DAY ON SATURDAY AND SUNDAY. ALLEY MUST BE REOPENED DURING NORMAL BUSINESS HOURS, PLATE ANY EXCAVATIONS.
2. RECONSTRUCT PAVEMENT IN DESIGNATED AREA AND PAVE ASPHALT COURSES THROUGH THE ENTIRE PROJECT AREA.

CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT DROPOFF DOES NOT EXCEED 12" AT ANY TIME AND SHALL COMPLY WITH SCD MT-101.90.

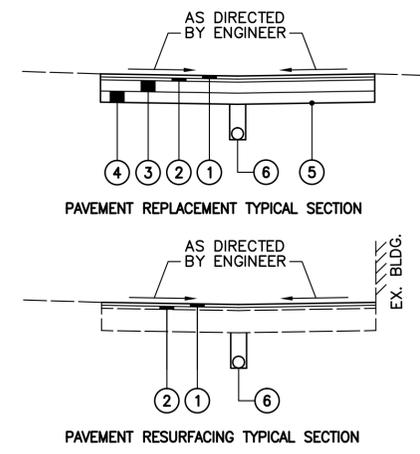
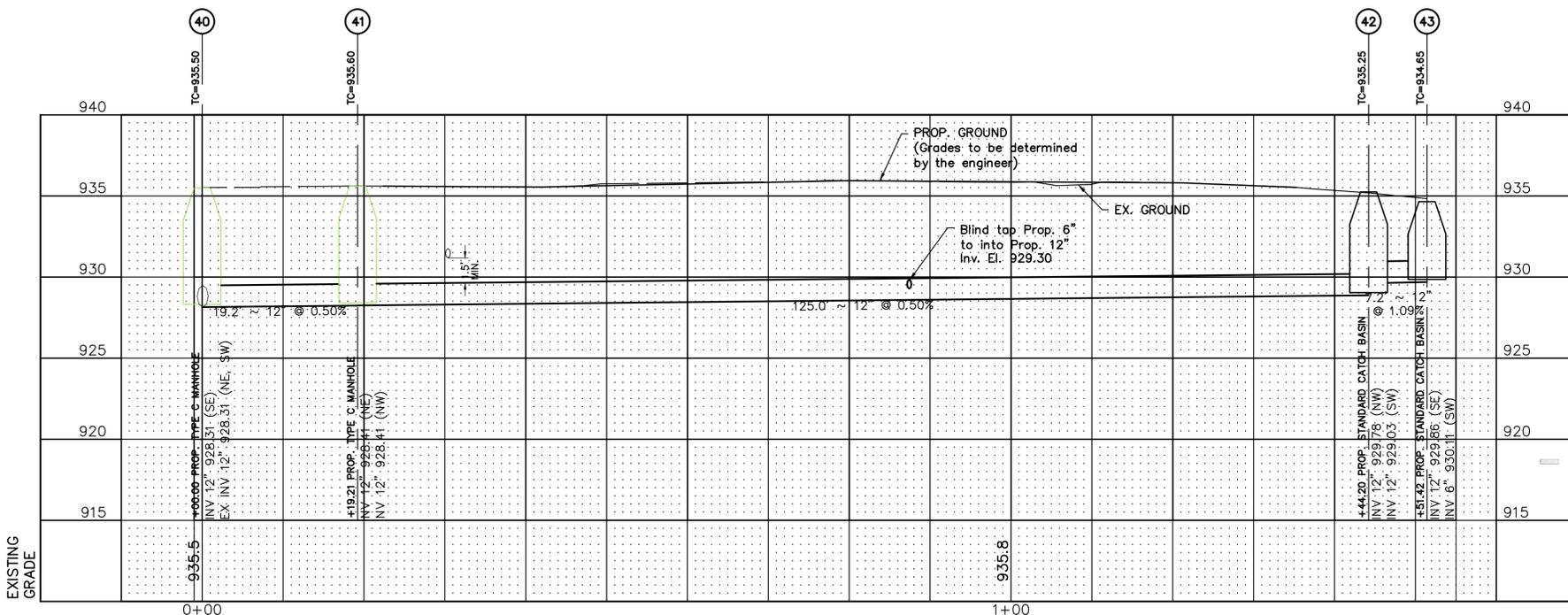
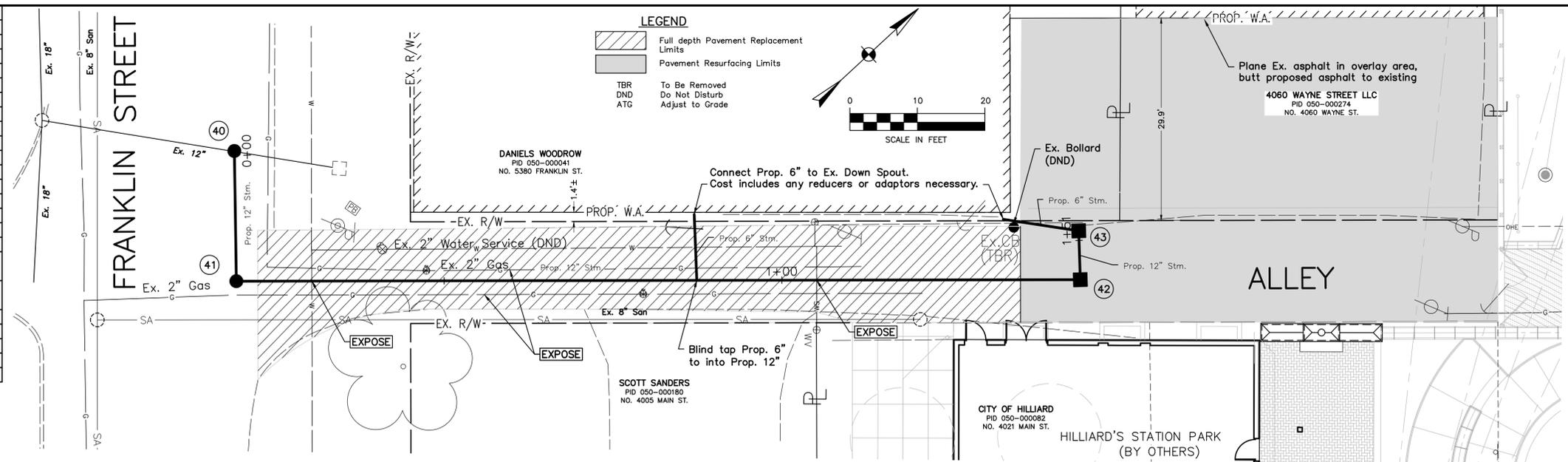
ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH CMS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT, AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614 - MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

**ITEM 614 - MAINTAINING TRAFFIC, AS PER PLAN:** THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF SCD-101.90. WEDGES SHALL BE PROVIDED, IF NEEDED, AND SHALL BE INCLUDED IN THE LUMP SUM BID PRICE FOR ITEM 614 - MAINTAINING TRAFFIC, AS PER PLAN.

THE CONTRACTOR IS RESPONSIBLE FOR ADJUSTING BARREL LOCATIONS, AS REQUIRED, DURING THE DURATION OF THE PROJECT TO PROVIDE SUFFICIENT ACCESS TO BUSINESSES OR ACCESS WAYS AS DIRECTED BY THE ENGINEER.

ALL ALLEY CLOSURES MUST BE COORDINATED WITH ADJACENT BUSINESSES.

MAINTAIN 2 LANE-TWO WAY TRAFFIC ON FRANKLIN STREET DURING THE DURATION OF THIS PROJECT.



- 1 448 ~ 1-1/2" Asphalt Concrete Surface Course, Type 1, PG64-22 (ODOT)
- 2 448 ~ 1-1/2" Asphalt Concrete Intermediate Course, Type 2, PG64-22 (ODOT)
- 3 301 ~ 4" Asphalt Concrete Base, PG64-22 (ODOT)
- 4 304 ~ 4" Aggregate Base
- 5 204 ~ Subgrade Compaction
- 6 605 ~ 4" Pipe Underdrain

| STANDARD CONSTRUCTION DRAWINGS |         |          |         |
|--------------------------------|---------|----------|---------|
| AA-S102                        | 12-6-13 | AA-S133A | 12-6-13 |
| AA-S106                        | 7-9-12  | AA-S141  | 12-8-13 |
| AA-S107                        | 7-9-12  | AA-S149  | 8-3-12  |
| AA-S112                        | 12-6-13 | AA-S150  | 7-9-12  |
| AA-S117                        | 7-9-12  | AA-S159  | 7-9-12  |
|                                |         | 1441     | 12-1-14 |

**EXPOSE EXISTING UTILITY:** WHERE POTENTIAL GRADE AND ALIGNMENT CONFLICTS MIGHT OCCUR WITH EXISTING UTILITIES, OR AS SPECIALLY CALLED OUT ON THE PLANS (THESE LOCATIONS ARE NOTED THUS: EXPOSED), THE CONTRACTOR SHALL EITHER HAVE THE UTILITY COMPANY OR THEMSELVES EXPOSE UTILITIES OR STRUCTURE SUFFICIENTLY IN ADVANCE OF LAYING PIPE FOR THE DESIGN ENGINEER TO VERIFY THE VERTICAL AND HORIZONTAL EFFECT ON THE PROPOSED CONSTRUCTION. ANY DISCREPANCY WITH THE PLANS SHALL BE COORDINATED WITH CITY ENGINEER TO ENSURE THAT THERE ARE NO CONFLICT ISSUES ASSOCIATED WITH SAID DISCREPANCY. THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE VARIOUS IMPROVEMENT ITEMS IF A SPECIFIC BID ITEM IS NOT PROVIDED IN THE ESTIMATE OF QUANTITIES. A CONTINGENCY QUANTITY HAS BEEN INCLUDED TO BE USED "AS DIRECTED BY THE ENGINEER" TO VERIFY LOCATION OF VARIOUS CONFLICTS.

ITEM SPECIAL - UTILITY TEST HOLE 7 EACH

**WATER MAIN SEPARATION:** THE CONTRACTOR SHALL MAINTAIN EIGHTEEN INCHES (18") VERTICAL AND TEN FEET (10') HORIZONTAL SEPARATIONS BETWEEN ANY WATER MAIN AND STORM AND SANITARY SEWER.

**EXCAVATION, AS PER PLAN:** UNTIL UTILITY TEST HOLES VERIFY HORIZONTAL AND VERTICAL LOCATION OF UTILITIES, THE GRADING OF THE ALLEY CANNOT BE ESTABLISHED, CONTRACTOR SHALL COORDINATE GRADING ACTIVITIES WITH THE ENGINEER.

**LOCAL ACCESS:** INGRESS AND EGRESS SHALL BE MAINTAINED TO ALL COMMERCIAL PROPERTIES. ALLEY CLOSURE MAY BE NECESSARY TO ENABLE WORK. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE CLOSURES WITH ADJACENT PROPERTY OWNERS TO ENSURE REQUIRED ACCESS IS PROVIDED. THE CONTRACTOR SHALL NOTIFY OWNERS OR BUSINESS OPERATIONS IN WRITING AT LEAST 48 HOURS BUT NOT MORE THAN 72 HOURS PRIOR TO CLOSURE. THE ENGINEER SHALL BE GIVEN A LIST OF THE PERSONS THAT WERE GIVEN NOTICES WITH THE DATE OF NOTICE INCLUDED.

CLOSURES SHALL BE KEPT TO THE MINIMUM TIME NEEDED FOR CONSTRUCTION ACTIVITIES. EVERY EFFORT MUST BE MADE TO ACCOMMODATE THE OWNER'S NEED FOR ACCESS.

**EXISTING SYSTEMS:** EXISTING DRAINAGE SYSTEMS (FIELD TILES, ROOF DRAIN OUTLETS, SUMP PUMPS, ETC.) ENCOUNTERED DURING CONSTRUCTION OF THE NEW STORM SEWER OR REMOVAL OF EXISTING STORM SEWERS SHALL BE EXTENDED AS NECESSARY AND BLIND TAPPED TO THE NEW STORM SEWER PER DIVISION OF SEWERAGE AND DRAINAGE STANDARD DRAWING AA-S159 OR CONNECTED TO THE CATCH BASIN AS DIRECTED BY THE ENGINEER. ALL COSTS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN CMSC ITEM 901.

IF THE CONTRACTOR ENCOUNTERS A PIPE OR CONNECTION TO THE STORM SEWER THAT IN THE ESTIMATE OF THE ENGINEER MAY BE AN ILLICIT CONNECTION FROM AN ON-SITE SEWAGE DISPOSAL SYSTEM, THE FRANKLIN COUNTY HEALTH DEPARTMENT SHALL BE CONTACTED AT 614-525-3160 TO DETERMINE WHETHER THE PIPE MAY BE RECONNECTED TO THE CITY'S STORM SEWER SYSTEM.

| REVISIONS | DATE | BY | CHK |
|-----------|------|----|-----|
|           |      |    |     |
|           |      |    |     |
|           |      |    |     |

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**CITY OF HILLIARD, OHIO**  
**ALLEY IMPROVEMENTS**  
BETWEEN MAIN ST AND WAYNE ST, NORTH OF FRANKLIN ST

|              |         |
|--------------|---------|
| JOB NO.      | 570.017 |
| DESIGNED BY: | BDS     |
| DRAWN BY:    | BDS     |
| CHECKED BY:  | MEF     |
| APPROVED BY: |         |
| DATE:        | 9/10/15 |

**STORM SEWER AND PAVEMENT RECONSTRUCTION PLAN**

SCALE:  
HORIZ. 1" = 10'  
VERT. 1" = 5'

SHEET NO. 1 OF 1