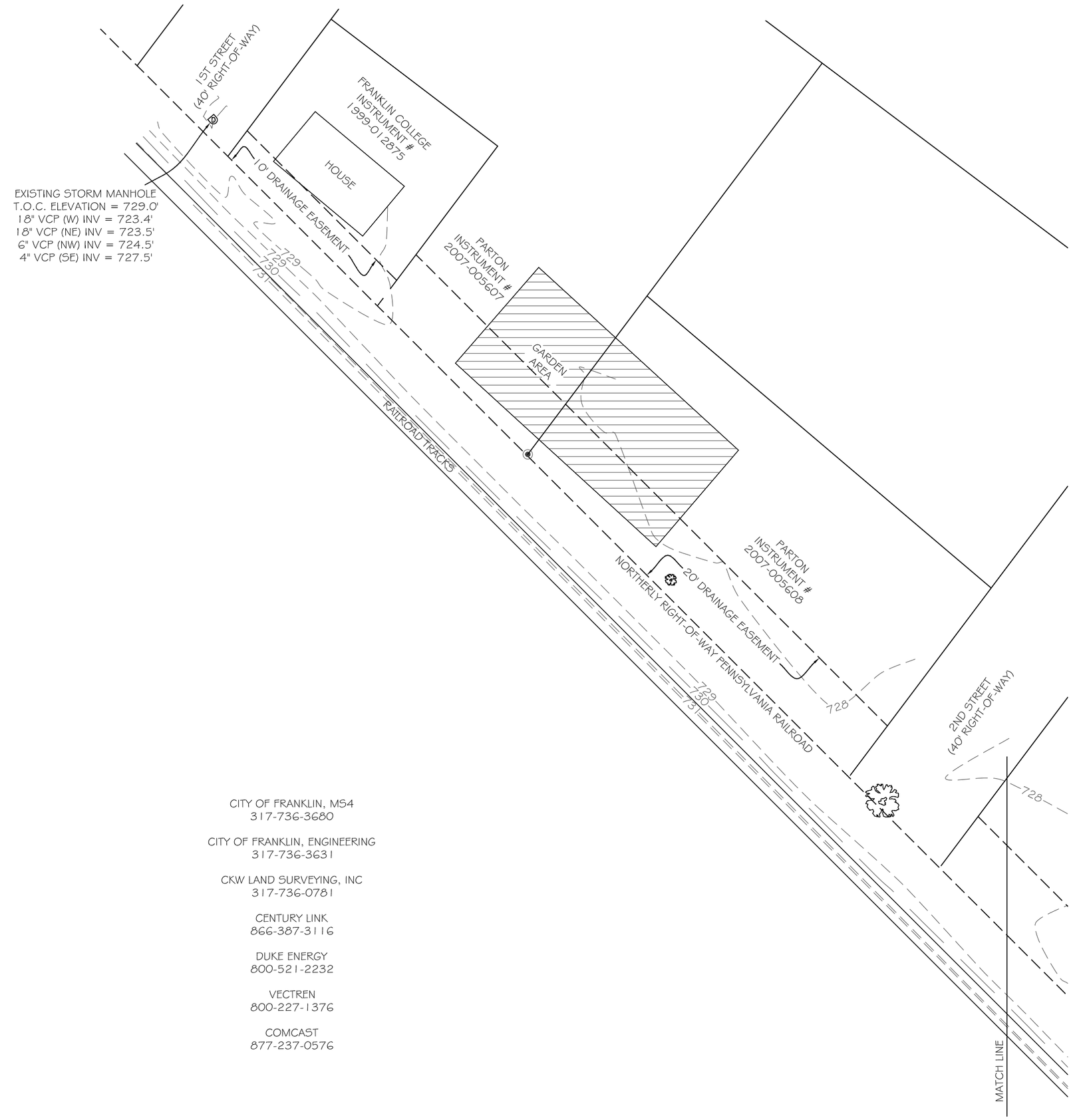
Existing Conditions

Gideon–Drake Addition, Mosquito Eradication & Drainage Modification Project



N

W CKW Land Surveying, Inc. E

S

Graphic Scale

30 0 15 30 60

(In Feet)
1 Inch = 30 Ft.

SYMBOL LEGEND	
◉	REBAR FOUND
D	PROPOSED INLET
	EXISTING TREE
	TREE STUMP

UTILITY NOTE

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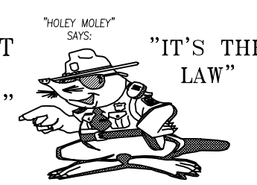
"HOLEY MOLEY" SAYS:
"DON'T DIG BLIND" "IT'S THE LAW"



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CALL TOLL FREE
1-800-428-5200
CALL TOLL FREE

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317-736-3680

CITY OF FRANKLIN, ENGINEERING
317-736-3631

CKW LAND SURVEYING, INC
317-736-0781

CENTURY LINK
866-387-3116

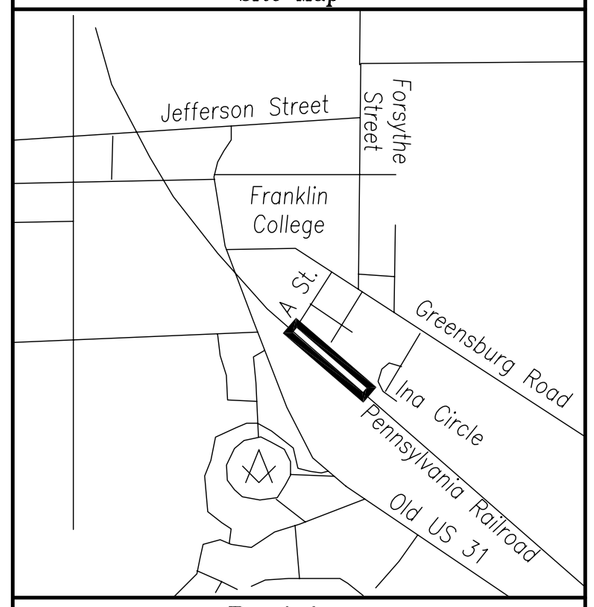
DUKE ENERGY
800-521-2232

VECTREN
800-227-1376

COMCAST
877-237-0576

NOTE: THE SOUTHEASTERLY 4" PIPE IN THE EXISTING MANHOLE WILL NEED TO BE REROUTED OR MODIFIED PER CITY ENGINEERS DIRECTION.

Site Map



Revisions

July 19, 2011 – Per City of Franklin.
July 26, 2011 – Per City of Franklin.

JEFFREY J. KONDY REGISTERED No. LS20100068 STATE OF INDIANA LAND SURVEYOR

JEFFREY J. KONDY PROFESSIONAL LAND SURVEYOR NO. 20100068

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301 East Jefferson St.
Franklin, Indiana 46131
(317) 736-0781 – Office
(317) 736-0791 – Fax

Prepared For:
The City of Franklin

Project
Gideon–Drake Addition, Mosquito Eradication & Drainage Modification Project
From "A" Street to Franklin Park Village
Franklin, Indiana

Sheet Title
Existing Conditions

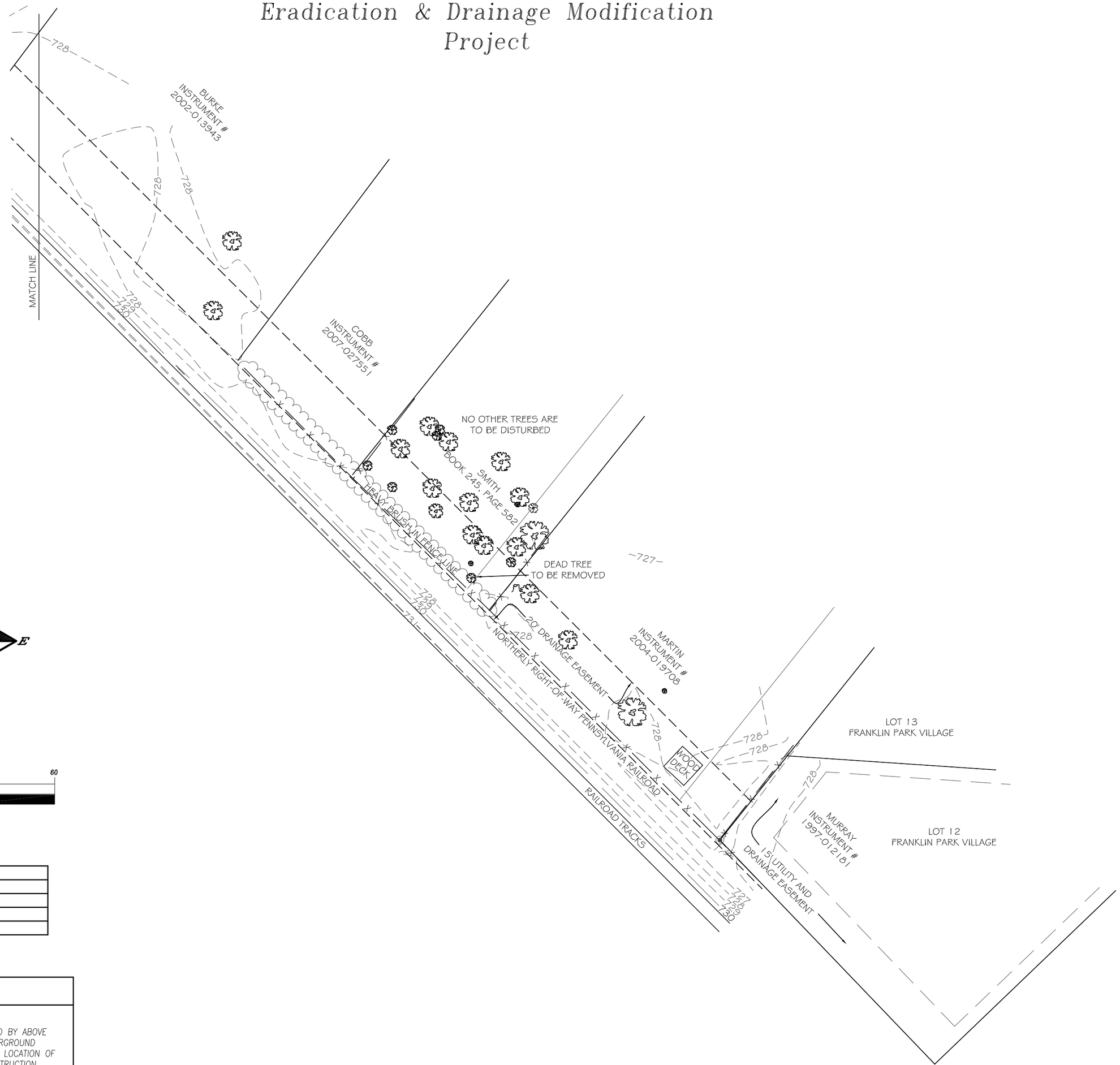
Scale	Drawn	Designed	Checked
1" = 30'	DLG	JGC	JGC

Work Order No. 110184
Date: July 13, 2011
Sheet Number 1 Of 6

C:\Documents and Settings\All Users\Documents\CKW Land Projects 2011\110184\dwg\110184REVISED.dwg July 29, 2011 – 3:37pm

Existing Conditions

Gideon–Drake Addition, Mosquito Eradication & Drainage Modification Project



N

W CKW Land Surveying, Inc. E

S

Graphic Scale

30 0 15 30 60

(In Feet)

1 Inch = 30 Ft.

SYMBOL LEGEND	
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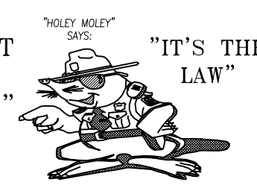

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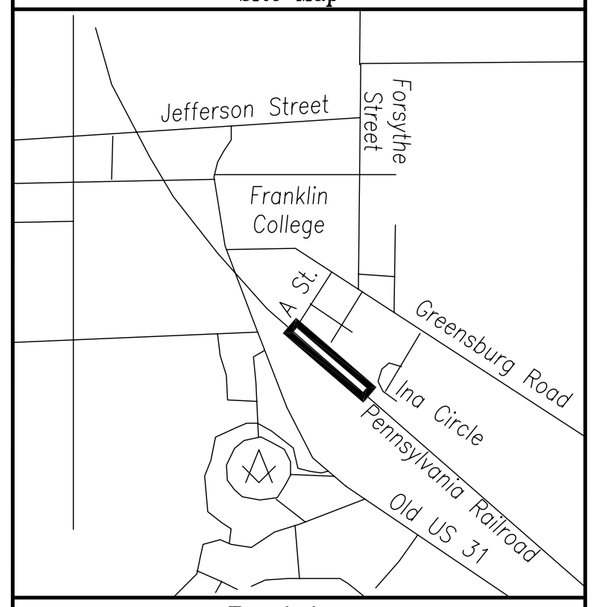
Site Map



Revisions

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July 26, 2011 – Per City of Franklin.

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Prepared For:
The City of Franklin

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Franklin, Indiana

Sheet Title
Existing Conditions

Scale	Drawn	Designed	Checked
1" = 30'	DLG	JGC	JGC

Work Order No. 110184

Date: July 13, 2011

Sheet Number 2 Of 6

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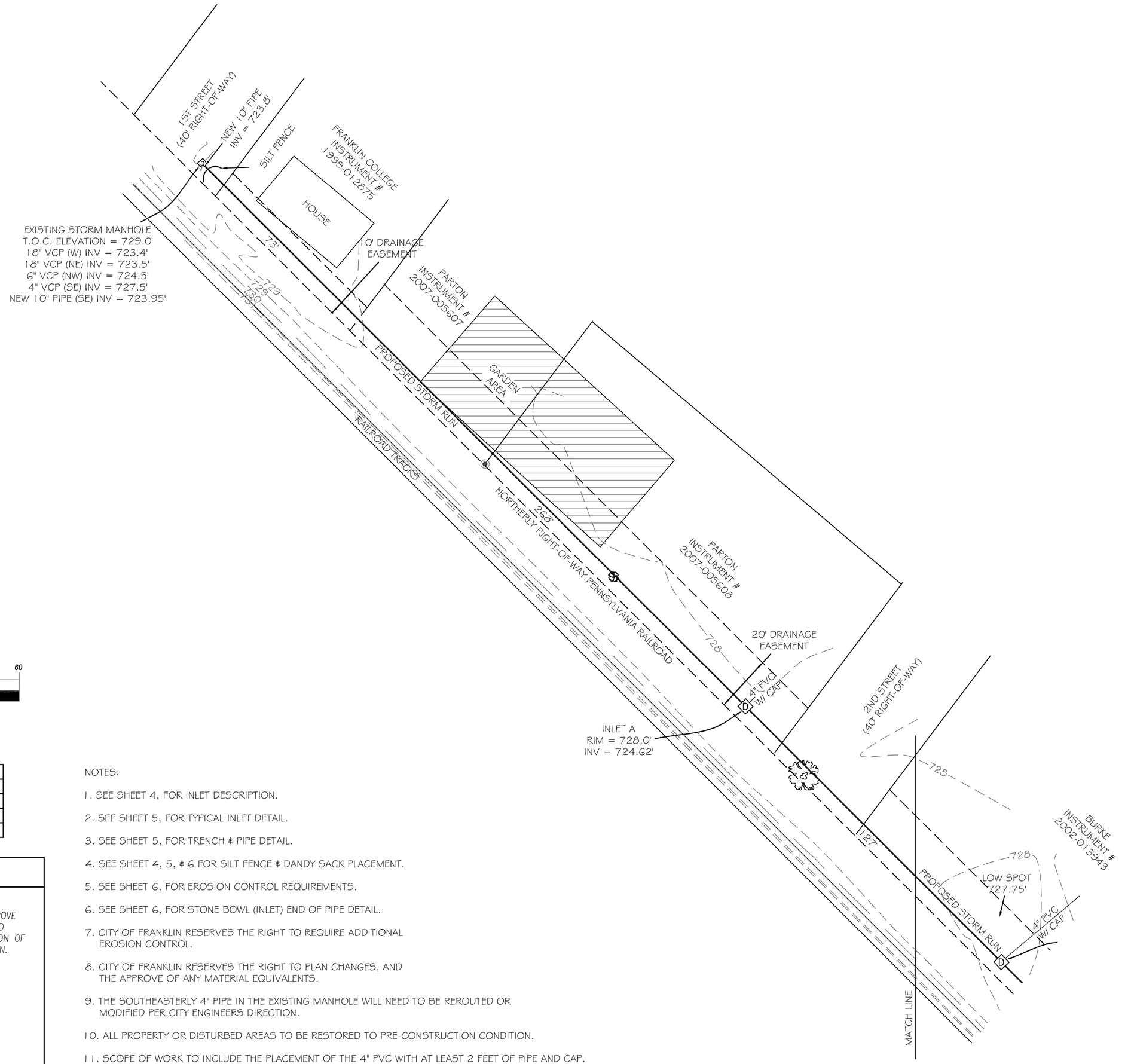
Proposed Storm Run

Gideon-Drake Addition, Mosquito Eradication & Drainage Modification Project



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CKW Land Surveying, Inc.

Graphic Scale

30 0 15 30 60

(In Feet)
1 Inch = 30 Ft.

SYMBOL LEGEND	
◉	REBAR FOUND
D	PROPOSED INLET
✿	EXISTING TREE
	TREE STUMP

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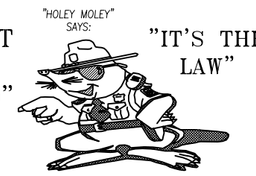

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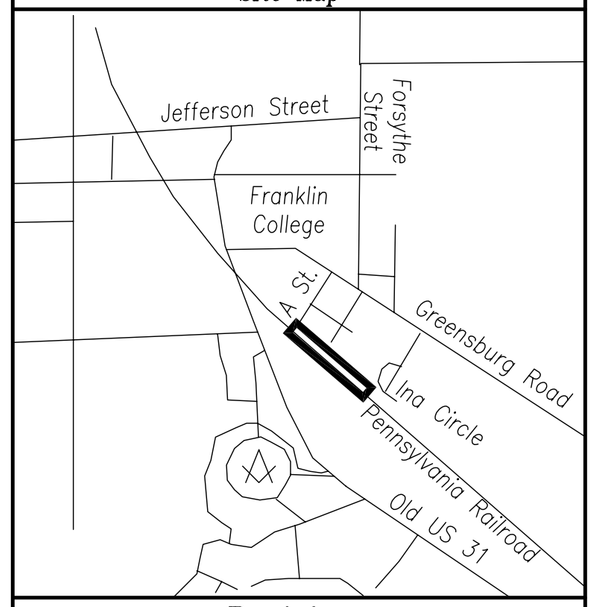
CALL TOLL FREE
1-800-428-5200
CALL TOLL FREE

NOTES:

1. SEE SHEET 4, FOR INLET DESCRIPTION.
2. SEE SHEET 5, FOR TYPICAL INLET DETAIL.
3. SEE SHEET 5, FOR TRENCH & PIPE DETAIL.
4. SEE SHEET 4, 5, & 6 FOR SILT FENCE & DANDY SACK PLACEMENT.
5. SEE SHEET 6, FOR EROSION CONTROL REQUIREMENTS.
6. SEE SHEET 6, FOR STONE BOWL (INLET) END OF PIPE DETAIL.
7. CITY OF FRANKLIN RESERVES THE RIGHT TO REQUIRE ADDITIONAL EROSION CONTROL.
8. CITY OF FRANKLIN RESERVES THE RIGHT TO PLAN CHANGES, AND THE APPROVE OF ANY MATERIAL EQUIVALENTS.
9. THE SOUTHEASTERLY 4" PIPE IN THE EXISTING MANHOLE WILL NEED TO BE REROUTED OR MODIFIED PER CITY ENGINEERS DIRECTION.
10. ALL PROPERTY OR DISTURBED AREAS TO BE RESTORED TO PRE-CONSTRUCTION CONDITION.
11. SCOPE OF WORK TO INCLUDE THE PLACEMENT OF THE 4" PVC WITH AT LEAST 2 FEET OF PIPE AND CAP.

Site Map



Revisions

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Prepared For:
The City of Franklin

Project

Gideon-Drake Addition, Mosquito Eradication & Drainage Modification Project
From "A" Street to Franklin Park Village
Franklin, Indiana

Sheet Title

Proposed Storm Run

Scale	Drawn	Designed	Checked
1" = 30'	DLG	JGC	JGC

Work Order No.	Sheet Number
110184	3 Of 6
Date: July 13, 2011	

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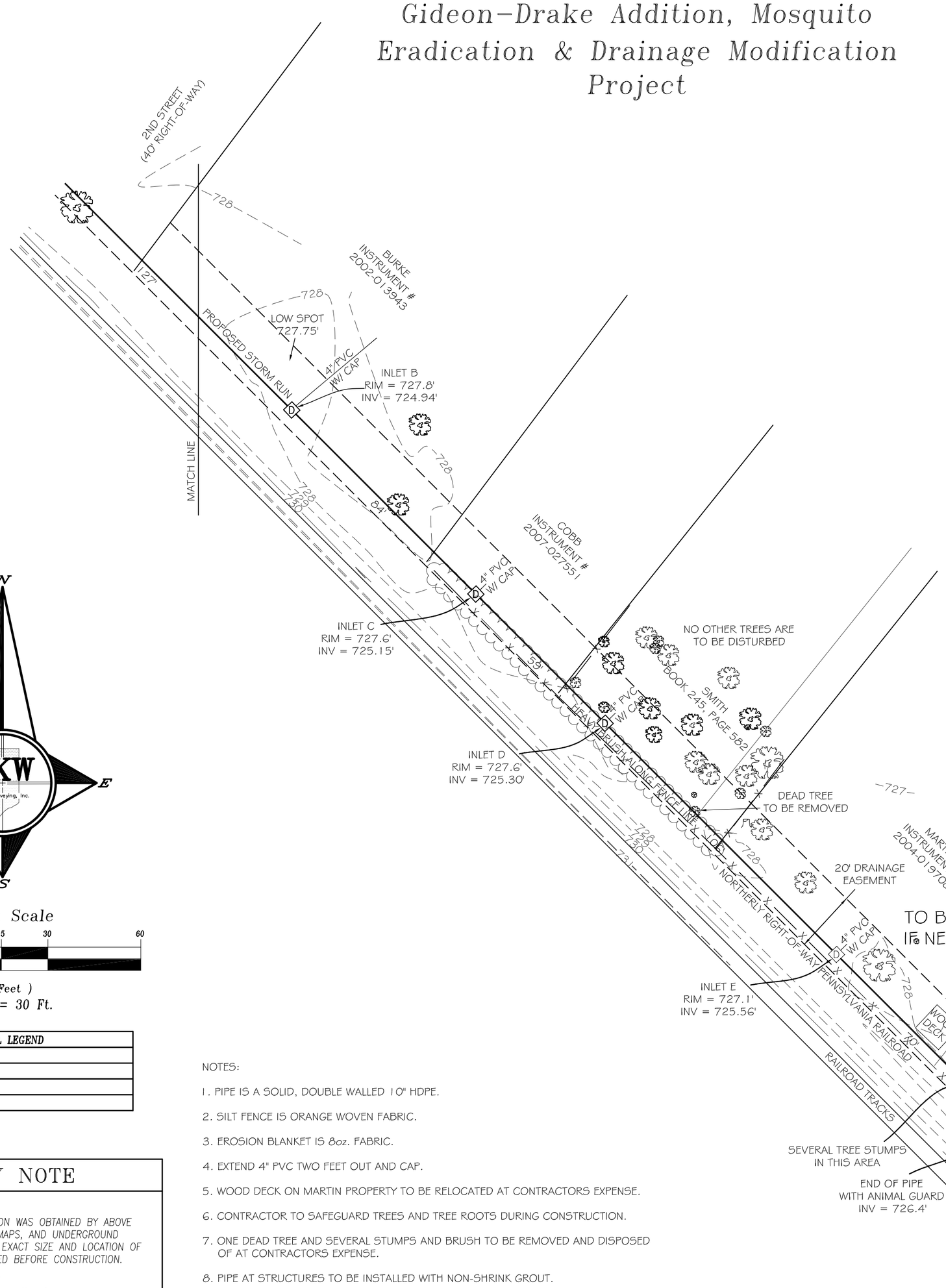
Proposed Storm Run

Gideon-Drake Addition, Mosquito Eradication & Drainage Modification Project



INLET DETAILS:

EXISTING CONCRETE MANHOLE

NEW 10" HDPE, INSTALLED WITH NON-SHRINK GROUT (SPICKET END).
TC @ 729.0', EAST INVERT (NEW) 723.95'

A. 24" REINFORCED CONCRETE BOX CATCH BASIN OR APPROVED EQUIVALENT WITH A NEENAH BEEHIVE GRATE (TYPE R-4346) OR APPROVED EQUIVALENT.

WEST INVERT 724.62', NORTH 4" INVERT 727.62', EAST INVERT 724.62'
RIM ELE. 728.00'

B. 24" REINFORCED CONCRETE BOX CATCH BASIN OR APPROVED EQUIVALENT WITH A NEENAH BEEHIVE GRATE (TYPE R-4346) OR APPROVED EQUIVALENT.

WEST INVERT 724.94', NORTH 4" INVERT 727.94', EAST INVERT 724.94'
RIM ELE. 727.80'

C. 24" REINFORCED CONCRETE BOX CATCH BASIN OR APPROVED EQUIVALENT WITH A NEENAH BEEHIVE GRATE (TYPE R-4346) OR APPROVED EQUIVALENT.

WEST INVERT 725.15', NORTH 4" INVERT 728.15', EAST INVERT 725.15'
RIM ELE. 727.60'

D. 24" REINFORCED CONCRETE BOX CATCH BASIN OR APPROVED EQUIVALENT WITH A NEENAH BEEHIVE GRATE (TYPE R-4346) OR APPROVED EQUIVALENT.

WEST INVERT 725.30', NORTH 4" INVERT 728.30', EAST INVERT 725.30'
RIM ELE. 727.60'

E. 24" REINFORCED CONCRETE BOX CATCH BASIN OR APPROVED EQUIVALENT WITH A NEENAH BEEHIVE GRATE (TYPE R-4346) OR APPROVED EQUIVALENT.

WEST INVERT 725.56', NORTH 4" INVERT 728.56', EAST INVERT 725.56'
RIM ELE. 727.10'

END OF PIPE, DAY-LIGHTS INTO STONE BOWL (SEE DETAIL)
EAST INVERT 726.40'

NOTES:

1. PIPE IS A SOLID, DOUBLE WALLED 10" HDPE.
2. SILT FENCE IS ORANGE WOVEN FABRIC.
3. EROSION BLANKET IS 8oz. FABRIC.
4. EXTEND 4" PVC TWO FEET OUT AND CAP.
5. WOOD DECK ON MARTIN PROPERTY TO BE RELOCATED AT CONTRACTORS EXPENSE.
6. CONTRACTOR TO SAFEGUARD TREES AND TREE ROOTS DURING CONSTRUCTION.
7. ONE DEAD TREE AND SEVERAL STUMPS AND BRUSH TO BE REMOVED AND DISPOSED OF AT CONTRACTORS EXPENSE.
8. PIPE AT STRUCTURES TO BE INSTALLED WITH NON-SHRINK GROUT.

N

W CKW Land Surveying, Inc. E

S

Graphic Scale

30 0 15 30 60

(In Feet)
1 Inch = 30 Ft.

SYMBOL LEGEND	
◉	REBAR FOUND
D	PROPOSED INLET
	EXISTING TREE
	TREE STUMP

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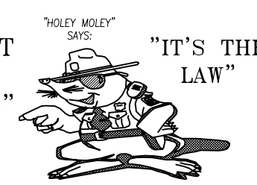

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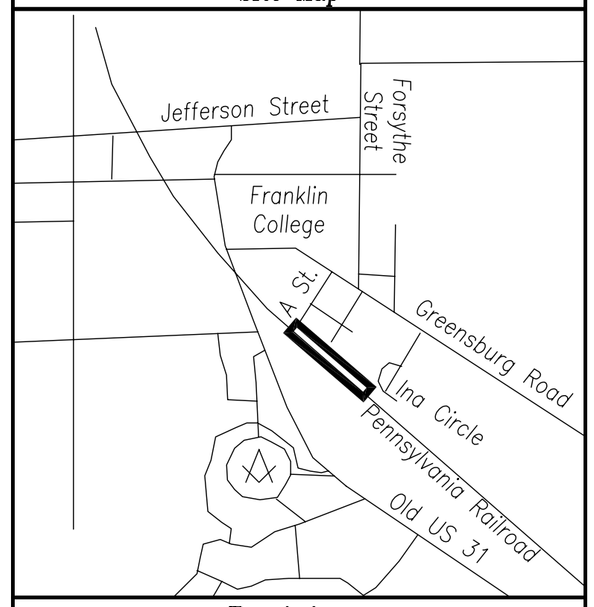
Site Map



Revisions

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July 26, 2011 - Per City of Franklin.

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Prepared For:
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Project
Gideon-Drake Addition, Mosquito Eradication & Drainage Modification Project
From "A" Street to Franklin Park Village
Franklin, Indiana

Sheet Title
Proposed Storm Run

Scale	Drawn	Designed	Checked
1" = 30'	DLG	JGC	JGC

Work Order No. 110184
Date: July 13, 2011
Sheet Number 4 Of 6

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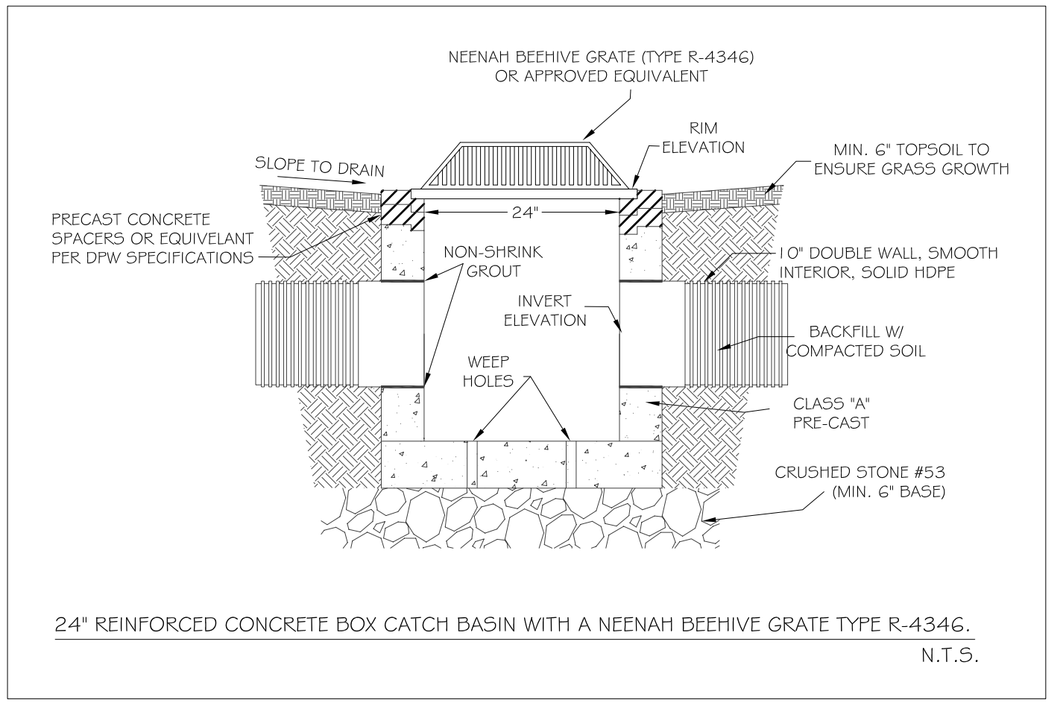
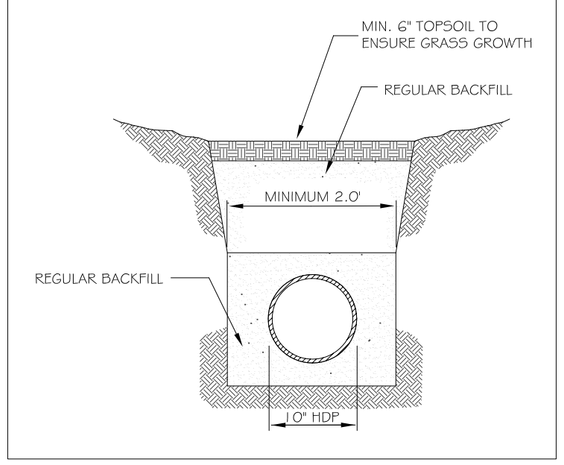
Plan and Profile

Gideon–Drake Addition, Mosquito Eradication & Drainage Modification Project

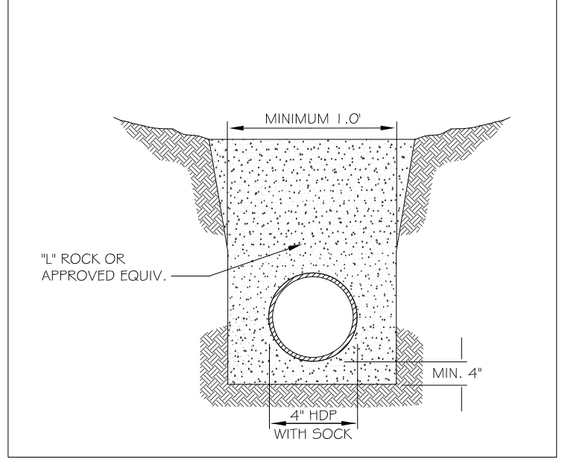


24" REINFORCED CONCRETE BOX CATCH BASIN WITH A NEENAH BEEHIVE GRATE TYPE R-4346.
N.T.S.

TRENCH DETAIL - 10" HDPE N.T.S.



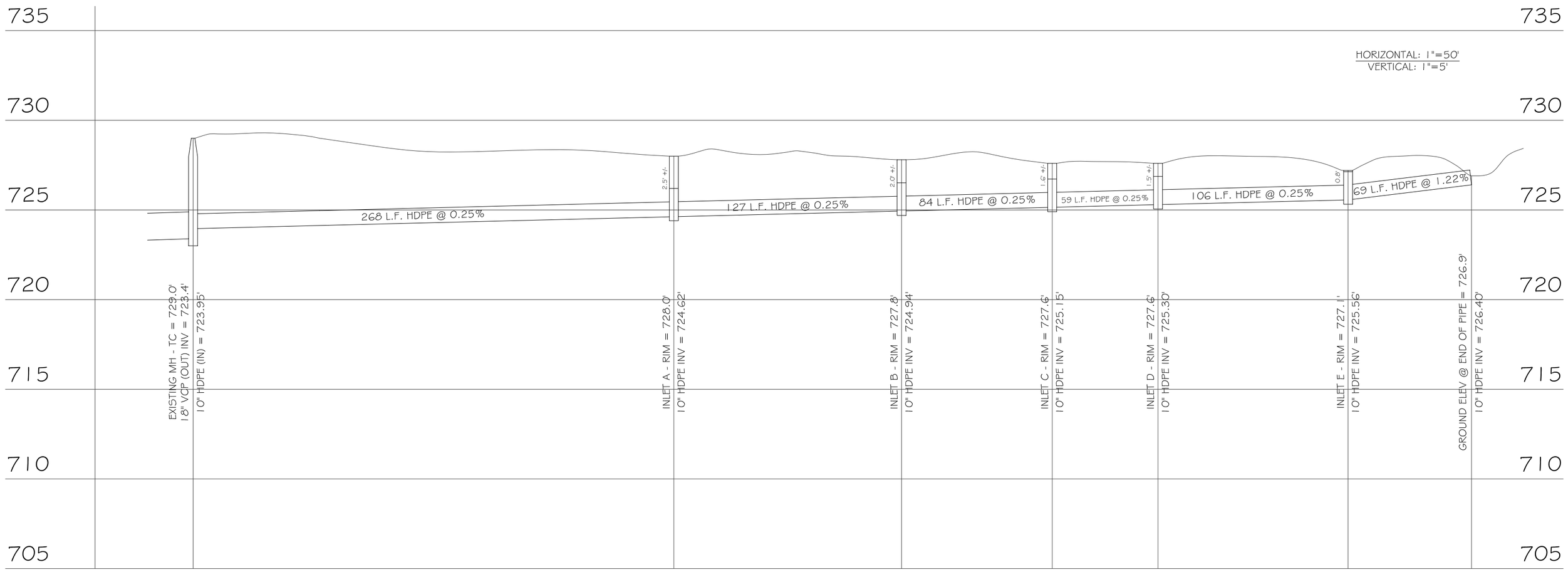
TRENCH DETAIL - 4" PVC N.T.S.



NOTE:

1. THE 4" HDP INSTALLATION IS THE RESPONSIBILITY OF INDIVIDUAL PROPERTY OWNERS, EVERYTHING 2 FEET BEYOND THE INVERT IS CONSIDERED TO BE OUT OF THE SCOPE OF THIS PROJECT AND NOT THE RESPONSIBILITY OF THE CITY OF FRANKLIN.

2. PROPERTY OWNERS ARE REQUIRED TO CONNECT AT OWN EXPENSE WITH THE FIRST 10 FEET SOLID (NON-PERFORATED) PIPE.



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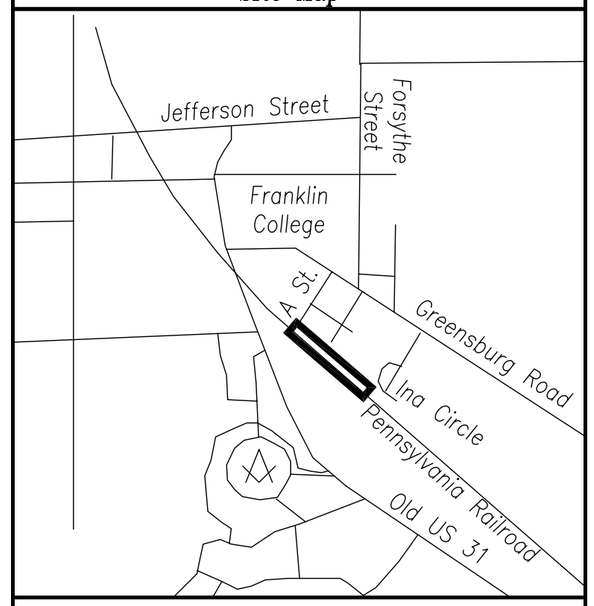

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Sheet Title
Plan and Profile

Scale	Drawn	Designed	Checked
1" = 50'	DLG	JGC	JGC

Work Order No. 110184
Date: July 13, 2011
Sheet Number 5 Of 6

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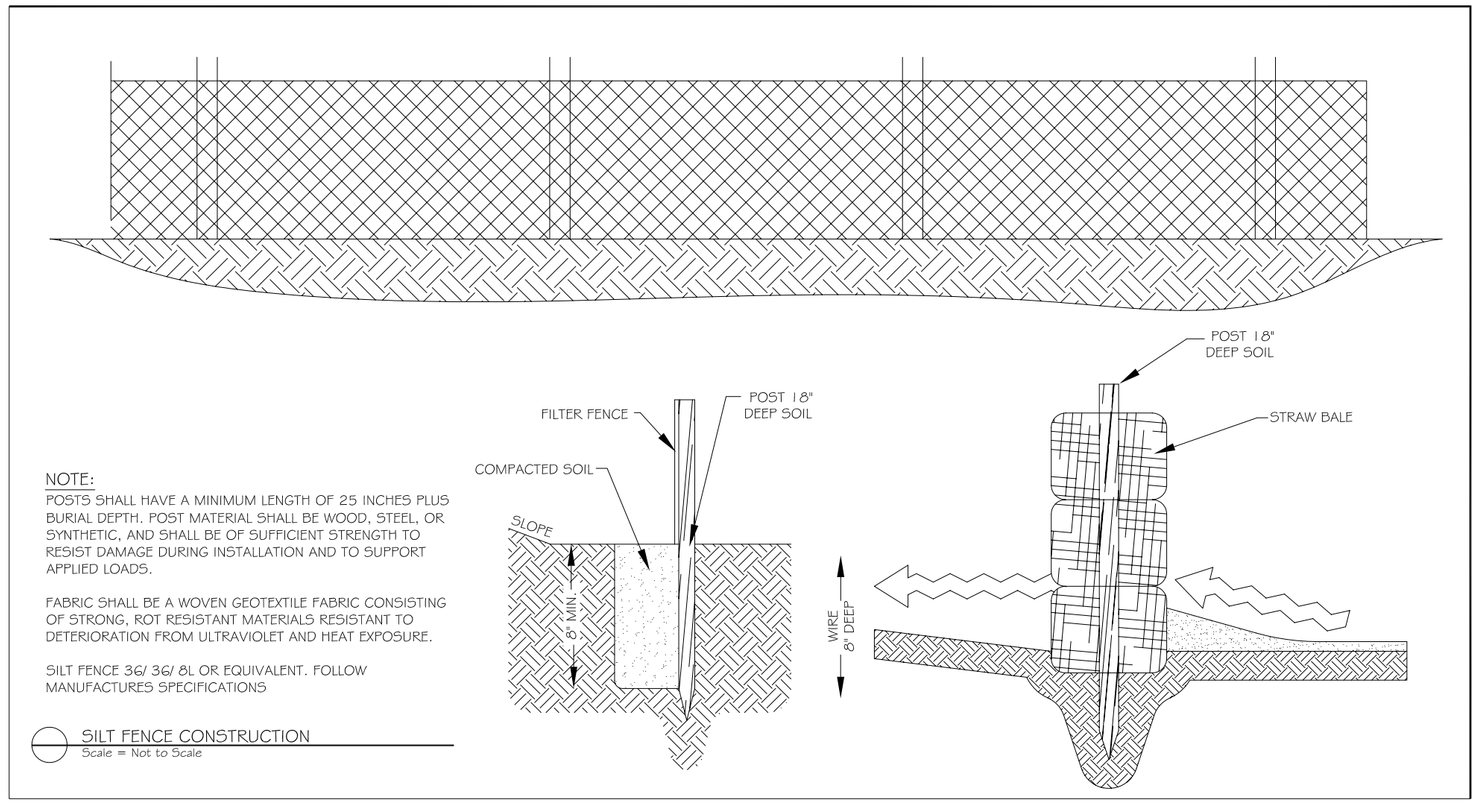
Erosion Control Details

Gideon-Drake Addition, Mosquito Eradication & Drainage Modification Project

EROSION CONTROL & LANSCAPE SCHEDULE		
EROSION CONTROL MEASURES	MAINTENANCE	INSTALLATION SEQUENCE
STONE ENTRANCE	AS NEEDED	PRIOR TO CLEARING AND GRADING
SILT FENCE	WEEKLY, AFTER STORM EVENTS AND AS NEEDED	PRIOR TO CLEARING AND GRADING
TREE PROTECTION	WEEKLY, AFTER STORM EVENTS AND AS NEEDED	PRIOR TO CLEARING AND GRADING
TEMPORARY DIVERSIONS	WEEKLY, AFTER STORM EVENTS AND AS NEEDED	ALONG WITH ROUGH GRADING
TEMPORARY SEEDING	WATER AS NEEDED	AFTER FINISH GRADING
PLANT TREES & SHRUBS	WATER AS NEEDED	AFTER FINISH GRADING
PERMANENT SEEDING	WATER AS NEEDED	ALONG WITH ROUGH GRADING
EROSION CONTROL MATTING	WEEKLY, AFTER STORM EVENTS AND AS NEEDED	AFTER FINISH GRADING
STRAW BALES	WEEKLY, AFTER STORM EVENTS AND AS NEEDED	AFTER FINISH GRADING
INLET PROTECTION	WEEKLY, AFTER STORM EVENTS AND AS NEEDED	AFTER EACH INLET IS PLACED
REMOVAL OF STRAW BALES	N/A	AFTER ALL AREAS DRAINING TO THESE AREAS ARE STABILIZED
REMOVAL OF INLET PROTECTION	N/A	AFTER ALL AREAS DRAINING TO THESE AREAS ARE STABILIZED
REMOVAL OF SILT FENCE	N/A	AFTER ALL AREAS DRAINING TO THESE AREAS ARE STABILIZED



NOTE:
POSTS SHALL HAVE A MINIMUM LENGTH OF 25 INCHES PLUS BURIAL DEPTH. POST MATERIAL SHALL BE WOOD, STEEL, OR SYNTHETIC, AND SHALL BE OF SUFFICIENT STRENGTH TO RESIST DAMAGE DURING INSTALLATION AND TO SUPPORT APPLIED LOADS.

FABRIC SHALL BE A WOVEN GEOTEXTILE FABRIC CONSISTING OF STRONG, ROT RESISTANT MATERIALS RESISTANT TO DETERIORATION FROM ULTRAVIOLET AND HEAT EXPOSURE.

SILT FENCE 36/ 36/ 8L OR EQUIVALENT. FOLLOW MANUFACTURES SPECIFICATIONS

SILT FENCE CONSTRUCTION
Scale = Not to Scale

EROSION CONTROL MEASURES MAINTENANCE REQUIREMENTS

EROSION CONTROL BLANKET (SURFACE APPLIED) MAINTENANCE REQUIREMENTS:

DURING VEGETATIVE ESTABLISHMENT, INSPECT AFTER STORM EVENTS FOR ANY EROSION BELOW THE BLANKET.

IF ANY AREA SHOWS EROSION, PULL BACK THAT PORTION OF THE BLANKET COVERING IT, ADD SOIL, RE-SEED THE AREA, AND RE-LAY AND STAPLE THE BLANKET.

AFTER VEGETATIVE ESTABLISHMENT, CHECK THE TREATED AREA PERIODICALLY.

SILT FENCE MAINTENANCE REQUIREMENTS:

INSPECT THE SILT FENCE PERIODICALLY AND AFTER EACH STORM EVEN. IF FENCE FABRIC TEARS, STARTS TO DECOMPOSE, OR IN ANY WAY BECOMES INEFFECTIVE, REPLACE THE AFFECTED PORTION IMMEDIATELY.

REMOVE DEPOSITED SEDIMENT WHEN IT REACHES HALF THE RIGHT HALF THE HEIGHT OF THE FENCE AT ITS LOWEST POINT OR IS CAUSING THE FABRIC TO BULGE.

TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEAN OUT.

AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED, REMOVE THE FENCE AND SEDIMENT DEPOSITS, BRING THE DISTURBED AREA TO GRADE, AND STABILIZE.

CLEAN AND REPLACE DANDY SACKS (ALL SEVEN) PER MANUFACTURER'S SPECIFICATIONS.

UPON COMPLETION OF EARTH MOVING OPERATIONS:

PLACE EROSION CONTROL BLANKET OR DOUBLE NET STRAW BLANKET, OR OTHER APPROVED EQUIVALENT, ON ALL INCLINED AREAS PER MANUFACTURES SPECIFICATIONS.

APPLY 150 POUNDS OF AGRICULTURAL LIMESTONE 100 SQUARE FEET (APPROXIMATELY THREE TONS PER ACRE) IF NEEDED, I.E. ACCORDING TO SOIL TEST. SPREAD 23 POUNDS OF 12-12-12 ANALYSIS FERTILIZER (OR EQUIVALENT) PER 1000 SQUARE FEET (APPROXIMATELY 1000 POUNDS PER ACRE) OR FERTILIZE ACCORDING TO SOIL TEST. APPLY ADDITIONAL 150 POUNDS OF 32-0-0 (AMMONIUM NITRATE) PER ACRE OR EQUIVALENT IF SURFACE LAYER IS SUBSOIL.

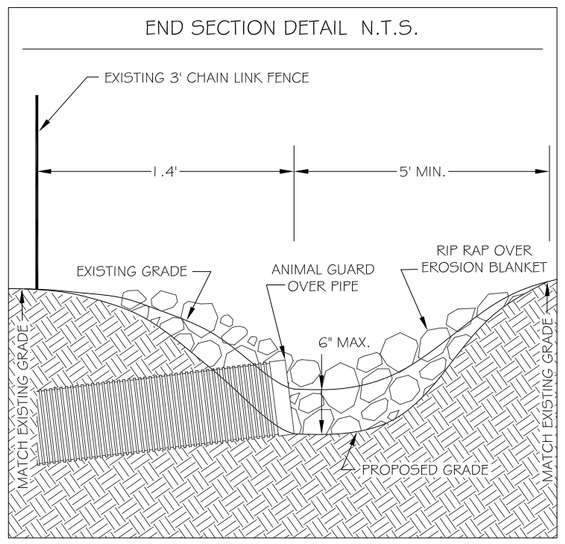
WORK LIME AND FERTILIZER INTO THE SOIL TO A DEPTH OF FOUR INCHES WHERE POSSIBLE. EQUIPMENT SHOULD OPERATE AT RIGHT ANGLES TO SLOPE.

APPLY SEED UNIFORMLY ACCORDING TO MANUFACTURERS SPECIFICATIONS BY BROADCASTING, DRILLING, OR HYDRAULIC APPLICATION. COVER SEEDS.

FIRM THE SEED BED FOLLOWING SEEDING WITH A ROLLER OR CULTIPACKER UNLESS A CULTIPACKER SEEDER IS USED. APPLY MULCH IMMEDIATELY AFTER SEEDING.

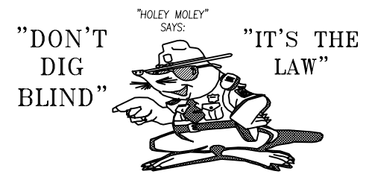
CONTINUE MAINTENANCE UNTIL LAWN IS ESTABLISED.

END SECTION DETAIL N.T.S.



UTILITY NOTE

UTILITY INFORMATION SHOWN HEREON WAS OBTAINED BY ABOVE GROUND FIELD LOCATION, UTILITY MAPS, AND UNDERGROUND LOCATIONS BY HOLEY MOLEY. THE EXACT SIZE AND LOCATION OF UTILITIES SHOULD BE FIELD VERIFIED BEFORE CONSTRUCTION.



INDIANA UNDERGROUND PROTECTION SERVICE, INC. CALL TWO WORKING DAYS BEFORE YOU DIG
1-800-382-5544
CALL TOLL FREE
1-800-428-5200
CALL TOLL FREE

EROSION CONTROL NOTES:

1. ALL EROSION CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE IDNR "INDIANA HANDBOOK FOR EROSION CONTROL IN DEVELOPING AREAS" DATED OCTOBER 1992 AND THE SCS "FIELD OFFICE TECHNICAL GUIDE".

2. THE CITY ENGINEER HAS THE RIGHT TO REQUIRE ADDITIONAL EROSION CONTROL MEASURES IN THE FIELD AS CONDITIONS WARRANT.

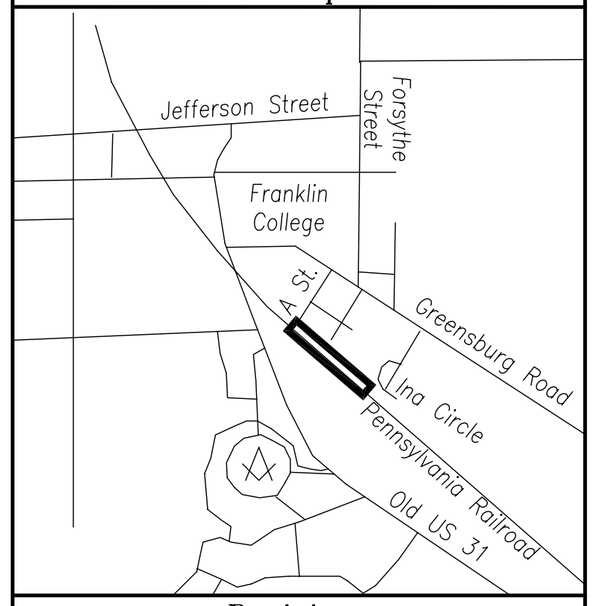
3. THE EROSION CONTROL MEASURES INCLUDED IN THIS PLAN SHALL BE INSTALLED PRIOR TO INITIAL LAND DISTURBANCE ACTIVITIES OR AS SOON AS PRACTICAL. SEDIMENT SHALL BE PREVENTED FROM DISCHARGING FROM THE PROJECT SITE BY INSTALLING AND MAINTAINING SILT FENCE, STRAW BALES, SEDIMENT BASINS, ETC., AS SHOWN ON THIS PLAN. IF SHOWN ON THIS PLAN, ENERGY DISSIPATION DEVICES OR EROSION CONTROL AT THE OUTFALL OF THE STORM SEWER SYSTEM SHALL BE INSTALLED AT THE TIME OF THE CONSTRUCTION OF THE OUTFALL. THE PROPOSED DETENTION BASIN SHALL BE UTILIZED AS A SEDIMENT BASIN DURING CONSTRUCTION FOR AS LONG AS PRACTICAL.

4. ALL ON-SITE OR OFF-SITE STORM DRAIN INLETS WITHIN 200 FEET SHALL BE PROTECTED AGAINST SEDIMENTATION WITH DANDY SACK, FILTER FABRIC, OR EQUIVALENT BARRIERS AS SHOWN ON THIS PLAN.

5. EXCEPT AS PREVENTED BY INCLEMENT WEATHER CONDITIONS OR OTHER CIRCUMSTANCES BEYOND THE CONTROL OF THE CONTRACTOR/DEVELOPER, APPROPRIATE EROSION CONTROL PRACTICES WILL BE INITIATED WITHIN SEVEN (7) DAYS OF THE LAST LAND DISTURBING ACTIVITY AT THE SITE. THE SITE SHALL BE STABILIZED BY SEEDING, SODDING, MULCHING, COVERING, OR BY OTHER EQUIVALENT EROSION CONTROL MEASURES.

6. THIS EROSION CONTROL PLAN SHALL BE IMPLEMENTED ON ALL DISTURBED AREAS WITHIN THE CONSTRUCTION SITE. ALL MEASURES INVOLVING EROSION CONTROL PRACTICES SHALL BE INSTALLED UNDER THE GUIDANCE OF QUALIFIED PERSONNEL EXPERIENCED IN EROSION CONTROL AND FOLLOWING THE PLANS AND SPECIFICATIONS INCLUDED HEREIN.

Site Map



Revisions

July 19, 2011 - Per City of Franklin.
July 26, 2011 - Per City of Franklin.

JEFFREY J. KONDY REGISTERED No. LS20100068 STATE OF INDIANA LAND SURVEYOR

JEFFREY J. KONDY PROFESSIONAL LAND SURVEYOR NO. 20100068

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Franklin, Indiana 46131
(317) 736-0781 - Office
(317) 736-0791 - Fax

Prepared For:
The City of Franklin

Project
Gideon-Drake Addition, Mosquito Eradication & Drainage Modification Project
From "A" Street to Franklin Park Village
Franklin, Indiana

Sheet Title
Erosion Control Details

Scale	Drawn	Designed	Checked
1" = 30'	DLG	JGC	JGC

Work Order No. 110184
Date: July 13, 2011
Sheet Number 6 Of 6

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