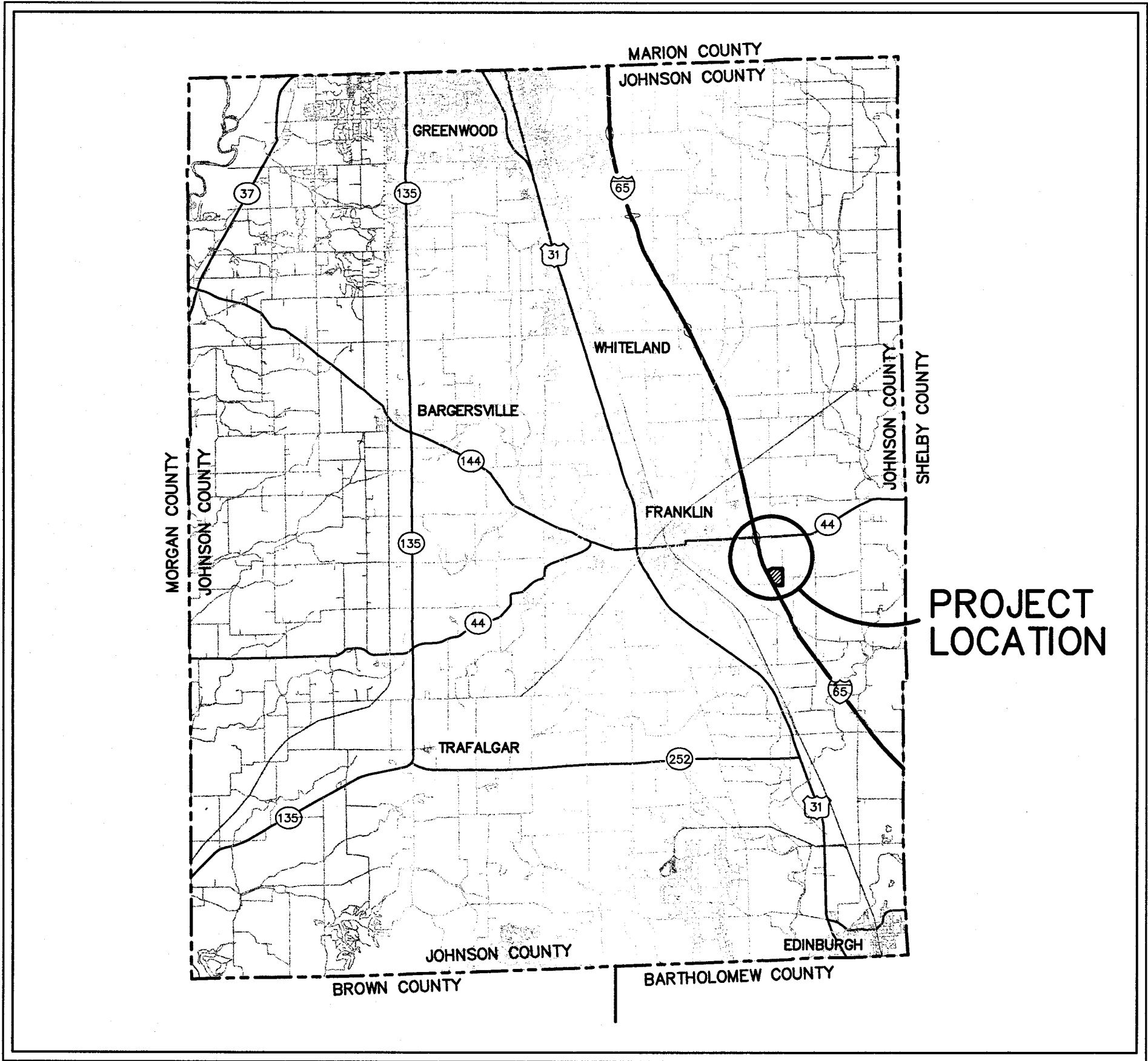
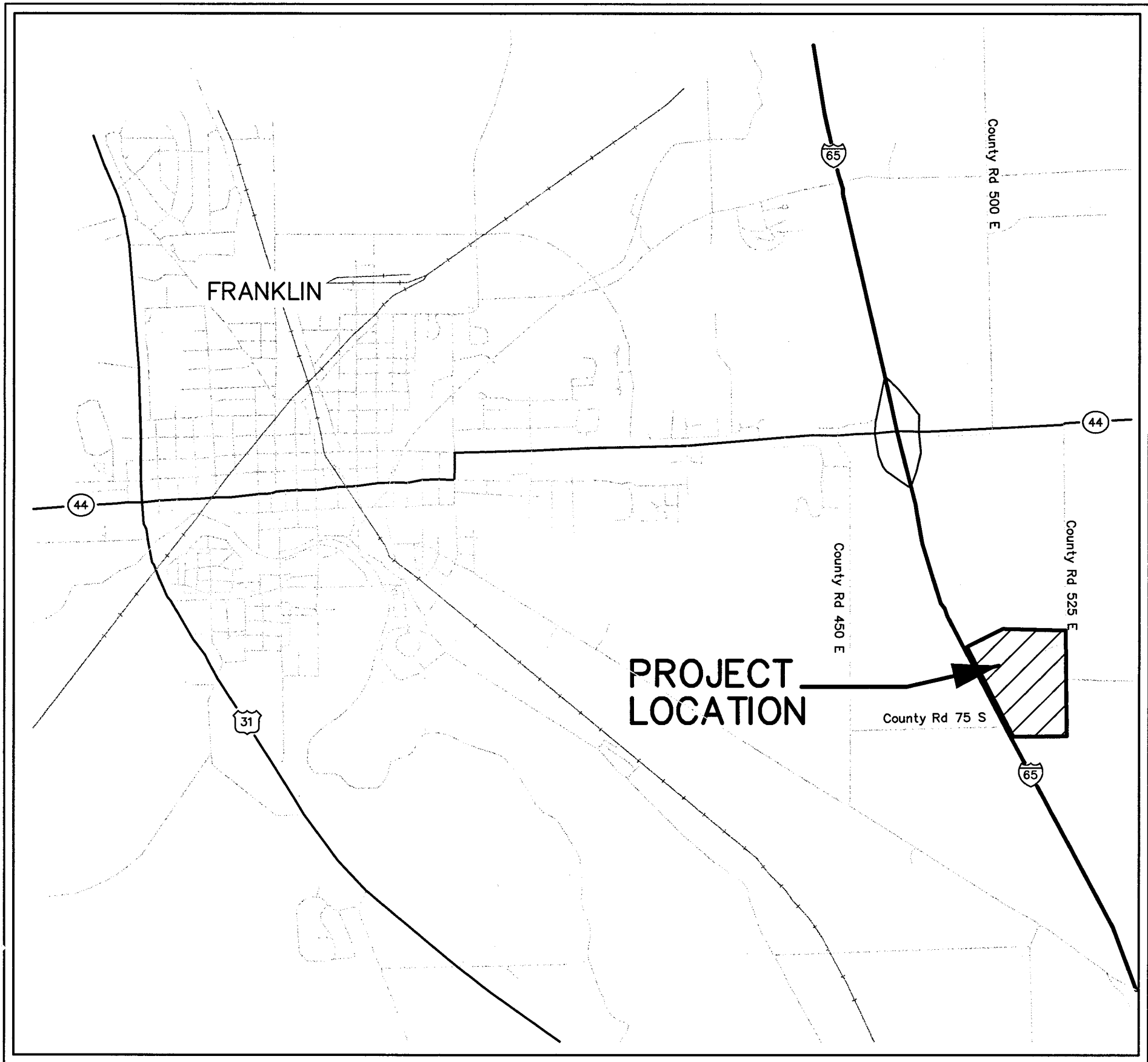


CONSTRUCTION PLANS  
FOR  
INTERSTATE WAREHOUSE FACILITY - TRUCK DRIVE  
700 BERTRAM PARKWAY  
FRANKLIN, INDIANA



LOCATION MAP  
NOT TO SCALE



VICINITY MAP  
NOT TO SCALE

| INDEX                                 |             |
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PLAN DATE: 06/13/2012

| REV | DATE | DESCRIPTION |
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PLANS PREPARED FOR:  
**TIPPMANN CONSTRUCTION INC.**  
9009 COLDWATER ROAD  
FT. WAYNE, INDIANA 46825

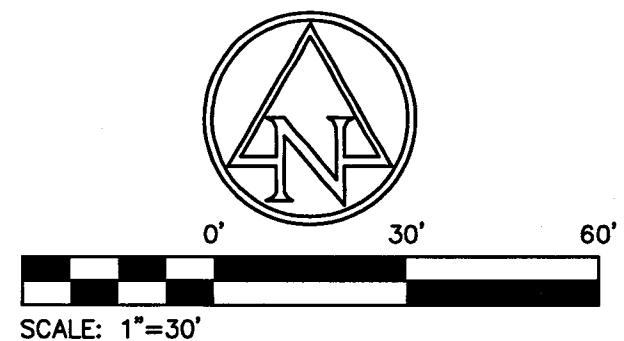
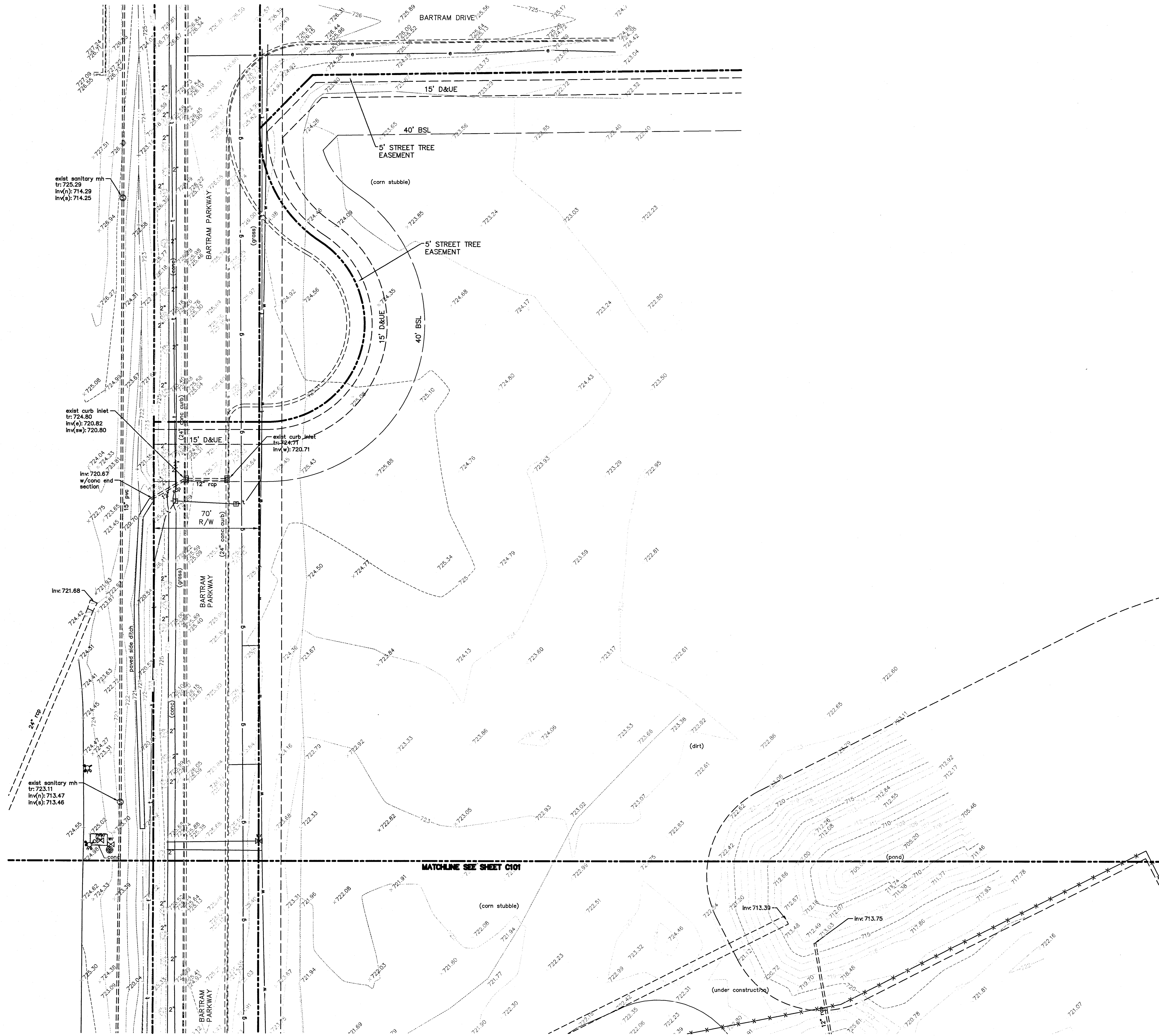
PLANS PREPARED BY:  
**AMERICAN STRUCTUREPOINT INC.**  
7260 SHADELAND STATION  
INDIANAPOLIS, IN 46256-3957  
TEL 317.547.5580 FAX 317.543.0270  
www.structurepoint.com



WILLIAM A. BUTZ, JR., P.E.

C.001  
JOB# 2012.00731





**EXISTING LEGEND**

- ⊕ Beehive Inlet
- ⊙ Clean Out
- ⊕ Curb Inlet
- ⊕ Drainage Inlet
- ⊕ Electric Handhole
- ⊕ Fire Hydrant
- ⊕ Fire Valve Shut Off
- ⊕ Gas Marker
- ⊕ Gas Valve
- ⊕ Ground Light
- ⊕ Guard Post
- ⊕ Hose Bib
- ⊕ Lid
- ⊕ Light Pole
- ⊕ PineTree
- ⊕ Sanitary MH
- ⊕ Sign
- ⊕ Sprinkler Control Valve
- ⊕ Stand Pipe
- ⊕ Telephone Pedestal
- ⊕ Transformer
- ⊕ Tree
- ⊕ Water Meter
- ⊕ Water Valve

**BENCH INFORMATION (NAVD 88)**

TBM #102  
CHISELED "X" ON EAST NORTHEAST BOLT OF  
FIRE HYDRANT 25'± WEST OF THE CENTERLINE  
OF BURTON PARKWAY, 800'± NORTH OF SITE  
NORTH PROPERTY LINE.  
ELEV = 731.20

TBM #20  
CHISELED "X" ON THE NORTH SIDE OF LIGHT  
POLE BASE 30'± SOUTH OF BACK OF CURB  
AT THE ENTRANCE TO A TRAILER PARKING  
LOT AND 5'± WEST OF PAVED SIDE DITCH.  
ELEV = 725.35

**NOTES:**

1. CONTRACTOR SHALL PROTECT AND NOT DESTROY THE PROPERTY CORNER MONUMENTS DURING CONSTRUCTION.
2. CONTRACTOR TO VERIFY LOCATION, SIZE AND DEPTH OF EXISTING UTILITIES PRIOR TO COMMENCING ANY CONSTRUCTION. CONTACT ENGINEER IF VARIATION EXISTS.

**CAUTION !!**

THE LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED UPON ABOVE GROUND EVIDENCE (including, but not limited to, manholes, inlets, valves, and marks made upon the ground by others) AND ARE SPECULATIVE IN NATURE. THERE MAY ALSO BE OTHER EXISTING UNDERGROUND UTILITIES FOR WHICH THERE IS NO ABOVE GROUND EVIDENCE OR FOR WHICH NO ABOVE GROUND EVIDENCE WAS OBSERVED. THE EXACT LOCATIONS OF SAID EXISTING UNDERGROUND UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY AND ALL CONSTRUCTION.

1-800-382-5544  
CALL TOLL FREE  
- INDIANA UNDERGROUND -

**EXISTING TOPOGRAPHY**

**TIPPMANN CONSTRUCTION INC.**  
9009 COLDWATER ROAD  
FT. WAYNE, INDIANA 46825

**INTERSTATE WAREHOUSE FACILITY**  
FRANKLIN, INDIANA

|           |           |
|-----------|-----------|
| DATE:     |           |
| DRAWN BY: | DCR       |
| CHK'D BY: | WAB       |
| JOB NO.   | 201200731 |

| REVISIONS |  |
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SHEET NO.  
**C.100**  
OF

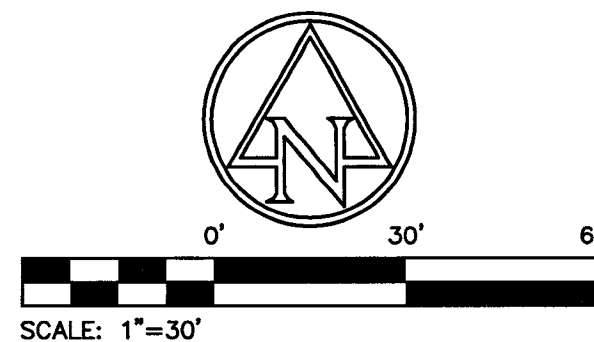
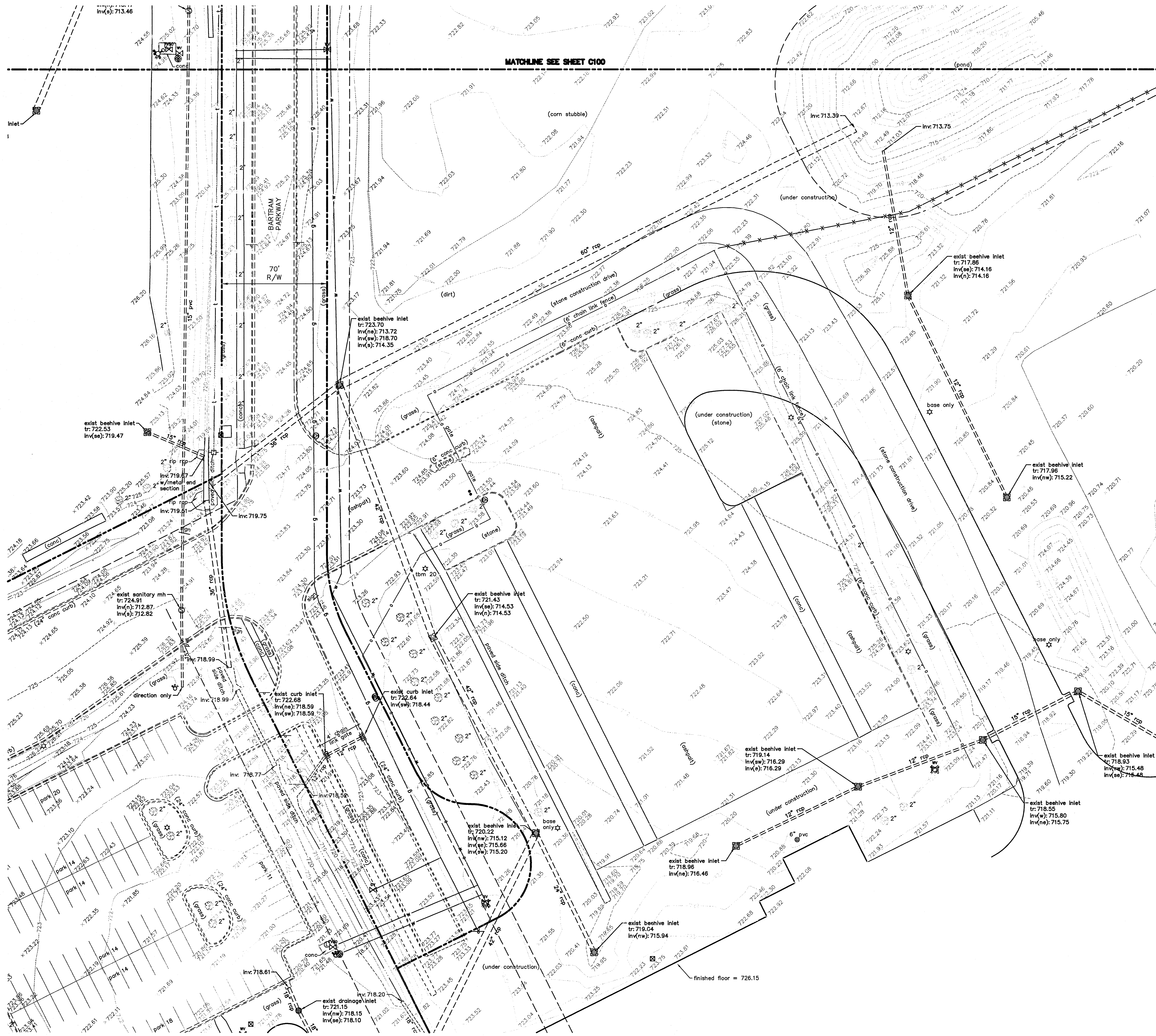
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AMERICAN  
**STRUCTUREPOINT**  
INC.

REGISTERED  
No  
PE10606045  
STATE OF  
INDIANA  
PROFESSIONAL ENGINEER

*Mark A. Gutz* 6/13/12  
CERTIFIED BY





#### EXISTING LEGEND

- Beehive Inlet
- Clean Out
- Curb Inlet
- Drainage Inlet
- Electric Handhole
- Fire Hydrant
- Fire Valve Shut Off
- Gas Marker
- Gas Valve
- Ground Light
- Guard Post
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- Lid
- Light Pole
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- Sanitary MH
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#### NOTES:

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#### EXISTING TOPOGRAPHY

PREPARED FOR:  
**TIPPMANN CONSTRUCTION INC.**  
9009 COLDWATER ROAD  
FT. WAYNE, INDIANA 46825

PROJECT:  
**TRUCK DRIVE**  
**INTERSTATE WAREHOUSE FACILITY**  
**FRANKLIN, INDIANA**

DATE:  
DRAWN BY: DCR  
CHK'D BY: WAB  
JOB NO. 201200731

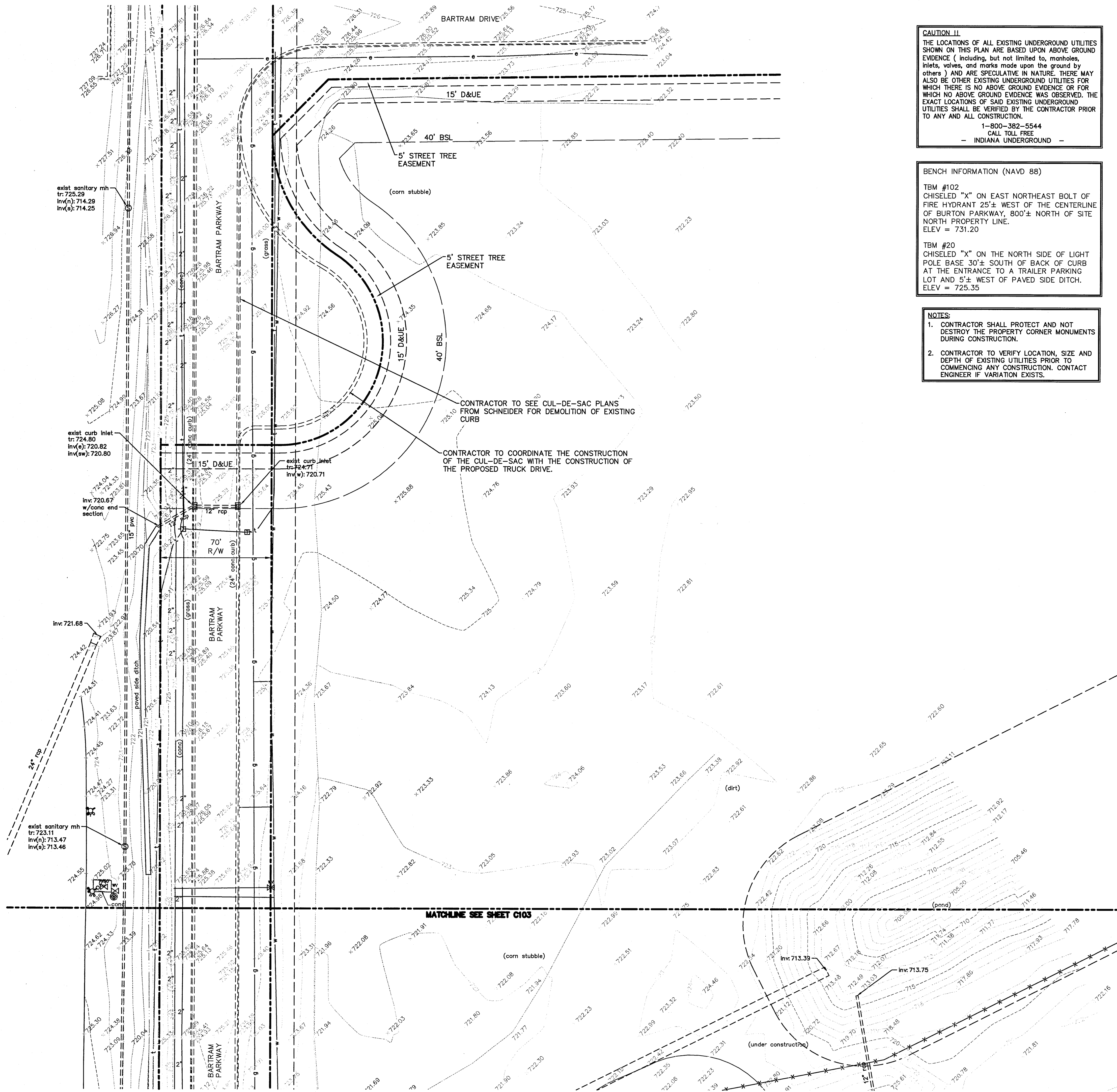
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SHEET NO.

**C.101**

OF

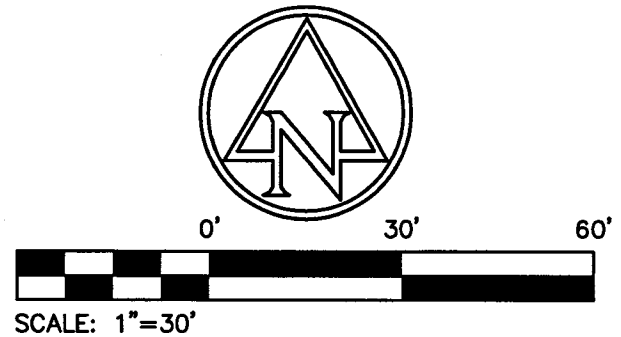




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**EXISTING LEGEND**

- ⊕ Beehive Inlet
- ⊙ Clean Out
- ⊕ Curb Inlet
- ⊕ Drainage Inlet
- ⊕ Electric Handhole
- ⊕ Fire Hydrant
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- ⊕ Sanitary MH
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- ⊕ Sprinkler Control Valve
- ⊕ Stand Pipe
- ⊕ Telephone Pedestal
- ⊕ Transformer
- ⊕ Tree
- ⊕ Water Meter
- ⊕ Water Valve

**DEMOLITION LEGEND**

- EXISTING CONCRETE TO BE REMOVED
- EXISTING ASPHALT TO BE REMOVED
- OBJECT TO BE REMOVED
- CONCRETE CURB & GUTTER TO BE REMOVED
- PAVEMENT TO BE SAWCUT
- UTILITY TO BE REMOVED

**DEMOLITION NOTES:**

**BUILDING DEMOLITION**

**GENERAL**

THE CONTRACTOR SHALL PROTECT IN PLACE, ALL EXISTING STRUCTURES, FENCES, CONCRETE AND PAVEMENT ON SITE, UNLESS NOTED TO BE REMOVED ON THE CONTRACT DRAWINGS.

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**SUMMARY**

THIS SECTION REQUIRES REMOVAL AND DISPOSAL, OFF SITE, OF THE FOLLOWING:

1. ASPHALT PARKING LOT.
2. MISCELLANEOUS CONCRETE PADS, STORM DRAINAGE PIPES AND STRUCTURES, LANDSCAPE, AND FENCING LOCATED ON SITE.

**SUBMITTALS**

SUBMIT THE FOLLOWING IN ACCORDANCE WITH CONDITIONS OF CONTRACT AND DIVISION 1 SPECIFICATION SECTIONS.

1. A PROPOSED SCHEDULE OF OPERATIONS COORDINATION FOR SHUTOFF, CAPPING, AND CONTINUATION OF UTILITY SERVICES AS REQUIRED.
2. PROVIDE A DETAILED SEQUENCE AND SCHEDULE OF DEMOLITION AND REMOVAL WORK TO BE COMPLETED.

**JOB CONDITIONS**

- A. SALVAGED MATERIALS: ITEMS OF SALVAGEABLE VALUE TO CONTRACTOR MAY BE REMOVED FROM STRUCTURE AS WORK PROGRESSES. TRANSPORT SALVAGED ITEMS FROM THE SITE AS THEY ARE REMOVED.
  - 1. STORAGE OR SALE OF REMOVED ITEMS WILL NOT BE PERMITTED ON SITE.
- B. EXPLOSIVES: USE OF ANY TYPE OF EXPLOSIVES WILL NOT BE PERMITTED.
- C. TRAFFIC: CONDUCT DEMOLITION OPERATIONS AND REMOVAL OF DEBRIS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS AND OTHER ADJACENT OCCUPIED AND USED FACILITIES.
  - 1. DO NOT CLOSE OR OBSTRUCT ROADS, STREETS, WALKS OR OTHER OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM THE LOCAL AUTHORITIES HAVING JURISDICTION. PROVIDE ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC WAYS, IF REQUIRED BY GOVERNING AUTHORITIES.
- D. PROTECTIONS: ENSURE SAFE PASSAGE OF PERSONS AROUND AREAS OF DEMOLITION. CONDUCT OPERATIONS TO PREVENT DAMAGE TO ADJACENT BUILDINGS, STRUCTURES, AND OTHER FACILITIES AND INJURY TO PERSONS.
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- F. UTILITY SERVICES: MAINTAIN EXISTING UTILITIES TO STAY IN SERVICE AND PROTECT AGAINST DAMAGE DURING DEMOLITION OPERATIONS. DISCONNECT, CAP AND REMOVE UTILITY SERVICES PER LOCAL REQUIREMENTS. DO NOT START DEMOLITION WORK UNTIL UTILITY DISCONNECTIONS HAVE BEEN COMPLETED TO THE SATISFACTION OF LOCAL UTILITIES.

**DEMOLITION**

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- B. FILLING VOIDS: COMPLETELY FILL BELOW-GRADE AREAS AND VOIDS RESULTING FROM DEMOLITION STRUCTURES WITH COMPACTED GRANULAR BACKFILL.

**DISPOSAL OF DEMOLISHED MATERIALS**

- A. GENERAL: REMOVE WEEKLY FROM SITE ACCUMULATED DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM DEMOLITION OPERATIONS.
- B. REMOVAL: TRANSPORT MATERIALS REMOVED FROM DEMOLITION OPERATIONS AND LEGALLY DISPOSE OF OFF-SITE.

7260 SHADEL AND STATION  
INDIANAPOLIS, IN 46256-9557  
TEL 317.547.5580 FAX 317.543.0270  
www.structurepoint.com

AMERICAN  
**STRUCTUREPOINT**  
INC.

REGISTERED  
No  
PE10606045  
STATE OF  
INDIANA  
PROFESSIONAL ENGINEER  
*1/4/10* 6.13.2012  
CERTIFIED BY

PREPARED FOR:  
**TIPPMANN CONSTRUCTION INC.**  
9009 COLDWATER ROAD  
FT. WAYNE, INDIANA 46825

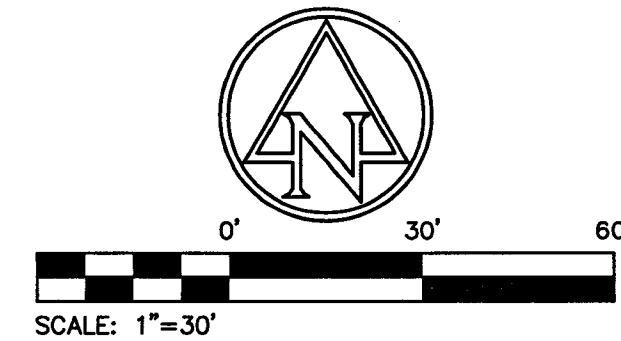
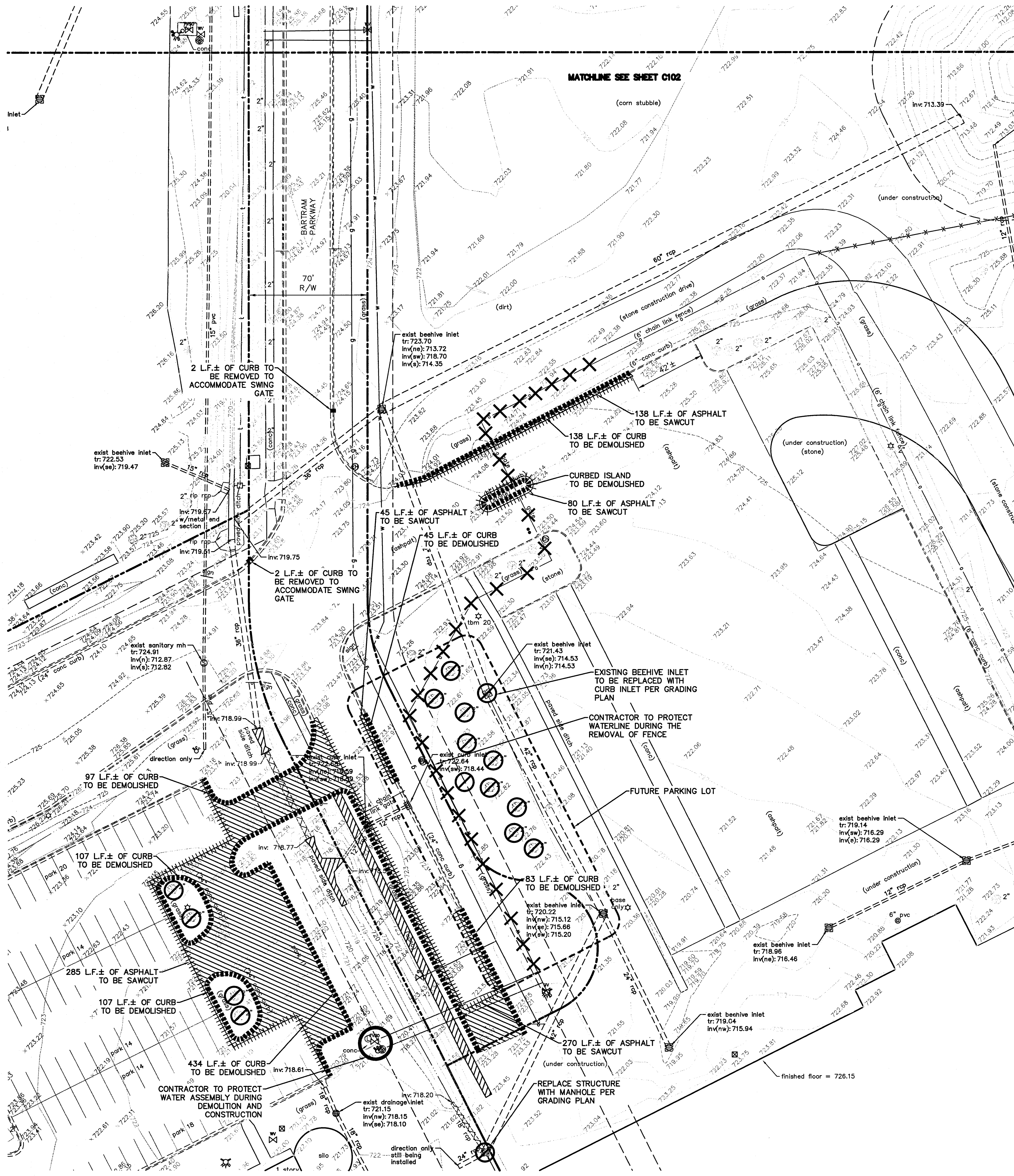
PROJECT:  
**TRUCK DRIVE  
INTERSTATE WAREHOUSE FACILITY  
FRANKLIN, INDIANA**

|           |           |
|-----------|-----------|
| DATE:     |           |
| DRAWN BY: | DCR       |
| CHK'D BY: | WAB       |
| JOB NO.   | 201200731 |

| REVISIONS |  |
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SHEET NO.  
**C.102**  
OF





**EXISTING LEGEND**

- ⊗ Beehive Inlet
- ⊙ Clean Out
- ⊕ Curb Inlet
- ⊕ Drainage Inlet
- ⊕ Electric Handhole
- ⊕ Fire Hydrant
- ⊕ Fire Valve Shut Off
- ⊕ Gas Marker
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TEL 317.247.1111  
www.structurepoint.com

AMERICAN  
**STRUCTUREPOINT**  
INC.

REGISTERED  
PE10606045  
STATE OF INDIANA  
PROFESSIONAL ENGINEER  
6.17.2012  
CERTIFIED BY

**DEMOLITION PLAN**

PREPARED FOR:  
**TIPPMANN CONSTRUCTION INC.**  
9009 COLDWATER ROAD  
FT. WAYNE, INDIANA 46825

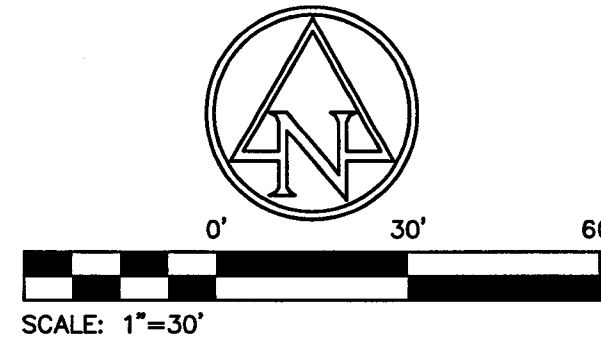
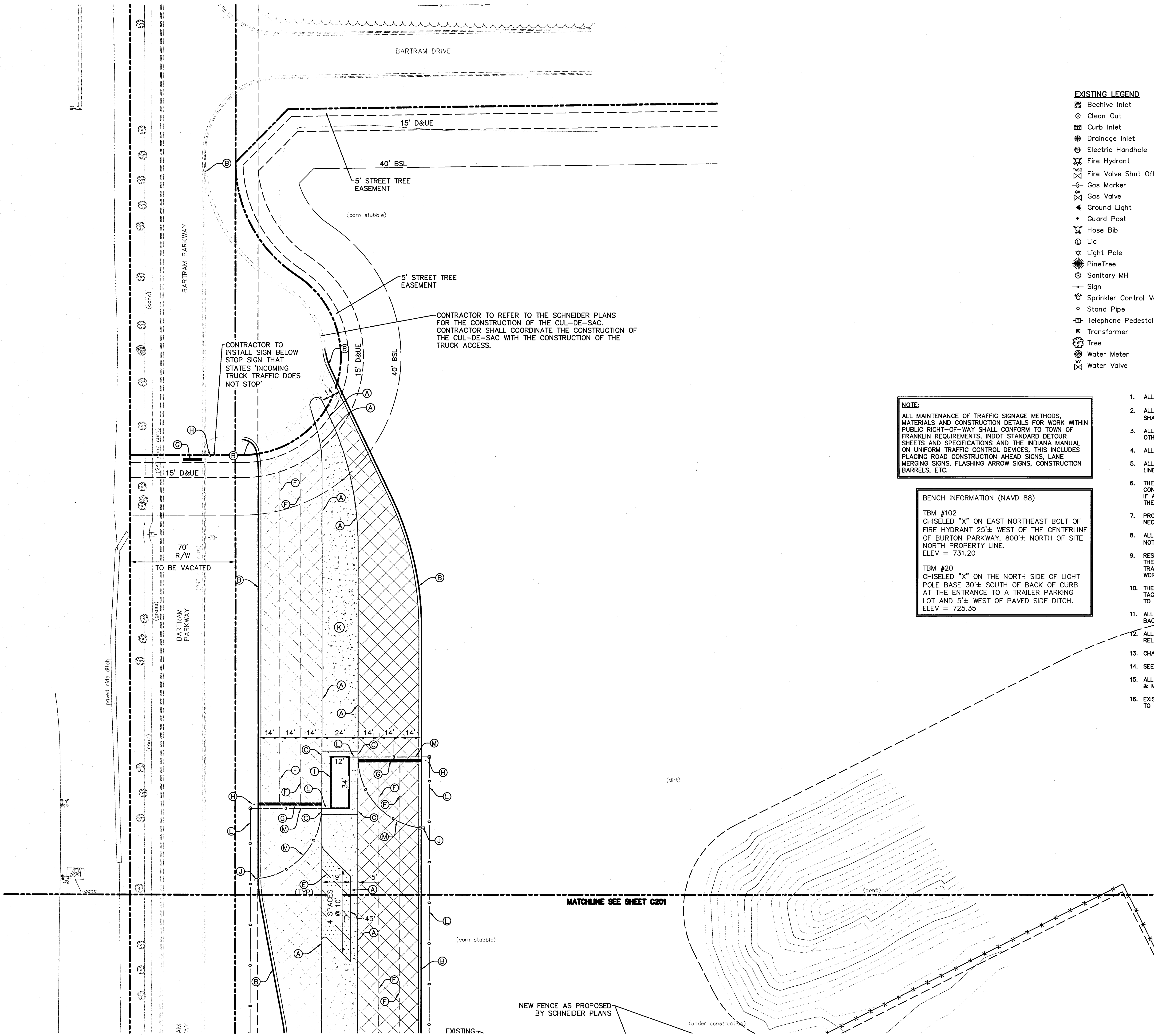
PROJECT:  
**TRUCK DRIVE  
INTERSTATE WAREHOUSE FACILITY  
FRANKLIN, INDIANA**

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| JOB NO.   | 201200731 |

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| REVISIONS |
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SHEET NO.  
**C.103**  
OF





EXISTING LEGEND

- Beehive Inlet
- Clean Out
- Curb Inlet
- Drainage Inlet
- Electric Handhole
- Fire Hydrant
- Fire Valve Shut Off
- Gas Marker
- Gas Valve
- Ground Light
- Guard Post
- Hose Bib
- Lid
- Light Pole
- Pine Tree
- Sanitary MH
- Sign
- Sprinkler Control Valve
- Stand Pipe
- Telephone Pedestal
- Transformer
- Tree
- Water Meter
- Water Valve

PROPOSED SITE LEGEND

- LIGHT DUTY PAVEMENT
- HEAVY DUTY PAVEMENT
- CONCRETE
- 6" STRAIGHT CONCRETE CURB
- 2' CONCRETE CURB & GUTTER
- COMBINED WALK & CURB
- CURB TURNOUT
- 4" SOLID WHITE, PAINT LINE
- 4" DASHED WHITE, THERMOPLASTIC
- 24" STOP BAR, WHITE, THERMOPLASTIC
- STOP SIGN
- GUARD SHACK, PER ARCHITECTURAL DRAWINGS
- RECESSED CURB FOR SWING GATE (SEE DETAIL SHEET C.600)
- CONCRETE SIDEWALK (SEE DETAIL SHEET C.600)
- 6' CHAIN LINK FENCE (SEE DETAIL SHEET C.600)
- 6' ROLLING CHAIN LINK SWING GATE (SEE DETAIL SHEET C.600)

SITE NOTES

- ALL WORK TO CONFORM TO STATE AND LOCAL REGULATIONS.
- ALL PARKING STRIPES ARE TO BE 4" PAINTED (WHITE). HANDICAPPED ACCESS AISLES SHALL BE 4" PAINTED (BLUE).
- ALL DIMENSIONS ARE TO EDGE OF PAVEMENT OR FACE OF CURB, UNLESS NOTED OTHERWISE.
- ALL DIMENSIONS ARE TO FACE OF BRICK OR FACING MATERIAL, WHERE APPLICABLE.
- ALL DIMENSIONS ARE PARALLEL WITH, OR PERPENDICULAR TO BASE LINES, PROPERTY LINES OR BUILDING LINES UNLESS NOTED OTHERWISE.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FIELD DIMENSIONS. IF ANY DISCREPANCIES ARE FOUND IN THESE PLANS FROM ACTUAL FIELD CONDITIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.
- PROVIDE SMOOTH TRANSITIONS FROM NEW AREAS TO EXISTING FEATURES AS NECESSARY.
- ALL EXCAVATED AREAS SHALL BE SEEDED AFTER FINISH GRADING UNLESS OTHERWISE NOTED. ALL NEW SEEDED AREAS SHALL HAVE A MINIMUM OF 4" OF TOP SOIL.
- RESURFACE OR RECONSTRUCT AT LEAST TO ORIGINAL CONDITIONS ALL AREAS WHERE THE EXISTING PAVEMENT OR LAWNS ARE DAMAGED DURING CONSTRUCTION FROM TRAFFIC BY CONTRACTORS, SUBCONTRACTORS OR SUPPLIERS AFTER CONSTRUCTION WORK IS COMPLETE.
- THE EDGE OF EXISTING ASPHALT PAVEMENT SHALL BE PROPERLY SEALED WITH A TACK COAT MATERIAL IN ALL AREAS WHERE NEW ASPHALT PAVEMENT IS INDICATED TO JOIN EXISTING ASPHALT.
- ALL UTILITY TRENCHES WITHIN 5 FEET OF PAVEMENT SHALL BE COMPLETELY BACKFILLED WITH GRANULAR MATERIAL.
- ALL ASPHALT TO BE IN ACCORDANCE WITH I.N.D.O.T. STANDARD SPECIFICATIONS RELATIVE TO MATERIAL, MIX, PLACEMENT AND WORKMANSHIP.
- CHAMFER ENDS OF ALL CURBS.
- SEE ARCHITECTURAL PLANS FOR BUILDING DIMENSIONS.
- ALL SIDEWALKS SHALL COMPLY WITH A.D.A. STANDARDS, MAX. CROSS SLOPE OF 1:50 & MAX. SLOPE OF 1:20.
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NOTE:  
ALL MAINTENANCE OF TRAFFIC SIGNAGE METHODS, MATERIALS AND CONSTRUCTION DETAILS FOR WORK WITHIN PUBLIC RIGHT-OF-WAY SHALL CONFORM TO TOWN OF FRANKLIN REQUIREMENTS, INDOT STANDARD DETOUR SHEETS AND SPECIFICATIONS AND THE INDIANA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. THIS INCLUDES PLACING ROAD CONSTRUCTION AHEAD SIGNS, LANE MERGING SIGNS, FLASHING ARROW SIGNS, CONSTRUCTION BARRELS, ETC.

BENCH INFORMATION (NAVD 88)  
  
TBM #102  
CHISELED "X" ON EAST NORTHEAST BOLT OF FIRE HYDRANT 25'± WEST OF THE CENTERLINE OF BURTON PARKWAY, 800'± NORTH OF SITE NORTH PROPERTY LINE.  
ELEV = 731.20  
  
TBM #20  
CHISELED "X" ON THE NORTH SIDE OF LIGHT POLE BASE 30'± SOUTH OF BACK OF CURB AT THE ENTRANCE TO A TRAILER PARKING LOT AND 5'± WEST OF PAVED SIDE DITCH.  
ELEV = 725.35

| PARKING ANALYSIS           |       |
|----------------------------|-------|
| EXISTING PARKING TO REMAIN | = 94  |
| NEW PARKING                | = 93  |
| TOTAL SPACES               | = 187 |

- NOTES:
- CONTRACTOR SHALL PROTECT AND NOT DESTROY THE PROPERTY CORNER MONUMENTS DURING CONSTRUCTION.
  - CONTRACTOR TO VERIFY LOCATION, SIZE AND DEPTH OF EXISTING UTILITIES PRIOR TO COMMENCING ANY CONSTRUCTION. CONTACT ENGINEER IF VARIATION EXISTS.

CAUTION !!  
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1-800-382-5544  
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www.structurpoint.com

AMERICAN  
**STRUCTUREPOINT**  
INC.

REGISTERED PROFESSIONAL ENGINEER  
No. PE10606045  
STATE OF INDIANA  
CERTIFIED BY: [Signature] 6.5.2012

**SITE PLAN**

PREPARED FOR:  
**TIPPMANN CONSTRUCTION INC.**  
9009 COLDWATER ROAD  
FT. WAYNE, INDIANA 46825

PROJECT:  
**TRUCK DRIVE  
INTERSTATE WAREHOUSE FACILITY  
FRANKLIN, INDIANA**

DATE: \_\_\_\_\_  
DRAWN BY: DCR  
CHK'D BY: WAB  
JOB NO. 201200731

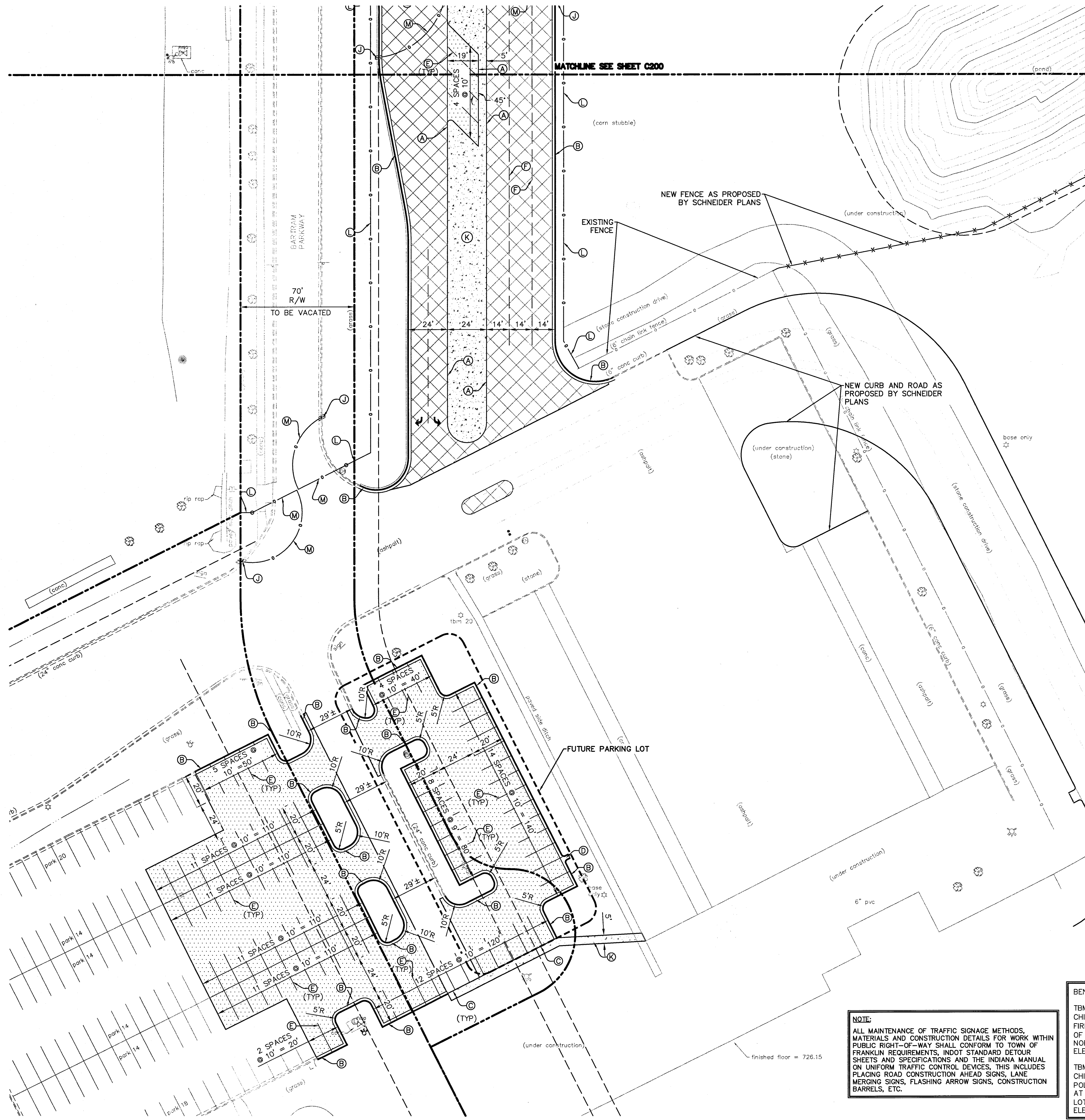
REVISIONS

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SHEET NO.  
**C.200**  
OF

201200731.CE.C.200-201.SP.dwg





#### EXISTING LEGEND

- Beehive Inlet
- Clean Out
- Curb Inlet
- Drainage Inlet
- Electric Handhole
- Fire Hydrant
- Fire Valve Shut Off
- Gas Marker
- Gas Valve
- Ground Light
- Guard Post
- Hose Bib
- Lid
- Light Pole
- Pine Tree
- Sanitary MH
- Sign
- Sprinkler Control Valve
- Stand Pipe
- Telephone Pedestal
- Transformer
- Tree
- Water Meter
- Water Valve

#### PROPOSED SITE LEGEND

- LIGHT DUTY PAVEMENT
- HEAVY DUTY PAVEMENT
- CONCRETE
- 6" STRAIGHT CONCRETE CURB
- 2' CONCRETE CURB & GUTTER
- COMBINED WALK & CURB
- CURB TURNOUT
- 4" SOLID WHITE, PAINT LINE
- 4" DASHED WHITE, THERMOPLASTIC
- 24" STOP BAR, WHITE, THERMOPLASTIC
- STOP SIGN
- GUARD SHACK, PER ARCHITECTURAL DRAWINGS
- RECESSED CURB FOR SWING GATE (SEE DETAIL SHEET C.600)
- CONCRETE SIDEWALK (SEE DETAIL SHEET C.600)
- 6' CHAIN LINK FENCE (SEE DETAIL SHEET C.600)
- 6' ROLLING CHAIN LINK SWING GATE (SEE DETAIL SHEET C.600)

#### SITE NOTES

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1-800-382-5544  
CALL TOLL FREE  
INDIANA UNDERGROUND

#### BENCH INFORMATION (NAVD 88)

TBM #102  
CHISELED "X" ON EAST NORTHEAST BOLT OF FIRE HYDRANT 25'± WEST OF THE CENTERLINE OF BURTON PARKWAY, 800'± NORTH OF SITE NORTH PROPERTY LINE.  
ELEV = 731.20

TBM #20  
CHISELED "X" ON THE NORTH SIDE OF LIGHT POLE BASE 30'± SOUTH OF BACK OF CURB AT THE ENTRANCE TO A TRAILER PARKING LOT AND 5'± WEST OF PAVED SIDE DITCH.  
ELEV = 725.35

#### NOTE:

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WILLIAM A. RUFF, JR.  
No. PE10606045  
STATE OF INDIANA  
PROFESSIONAL ENGINEER  
CERTIFIED BY

#### SITE PLAN

PREPARED FOR:  
**TIPPMANN CONSTRUCTION INC.**  
9009 COLDWATER ROAD  
FT. WAYNE, INDIANA 46825

PROJECT:  
**TRUCK DRIVE  
INTERSTATE WAREHOUSE FACILITY  
FRANKLIN, INDIANA**

DATE:  
DRAWN BY: DCR  
CHK'D BY: WAB  
JOB NO. 201200731

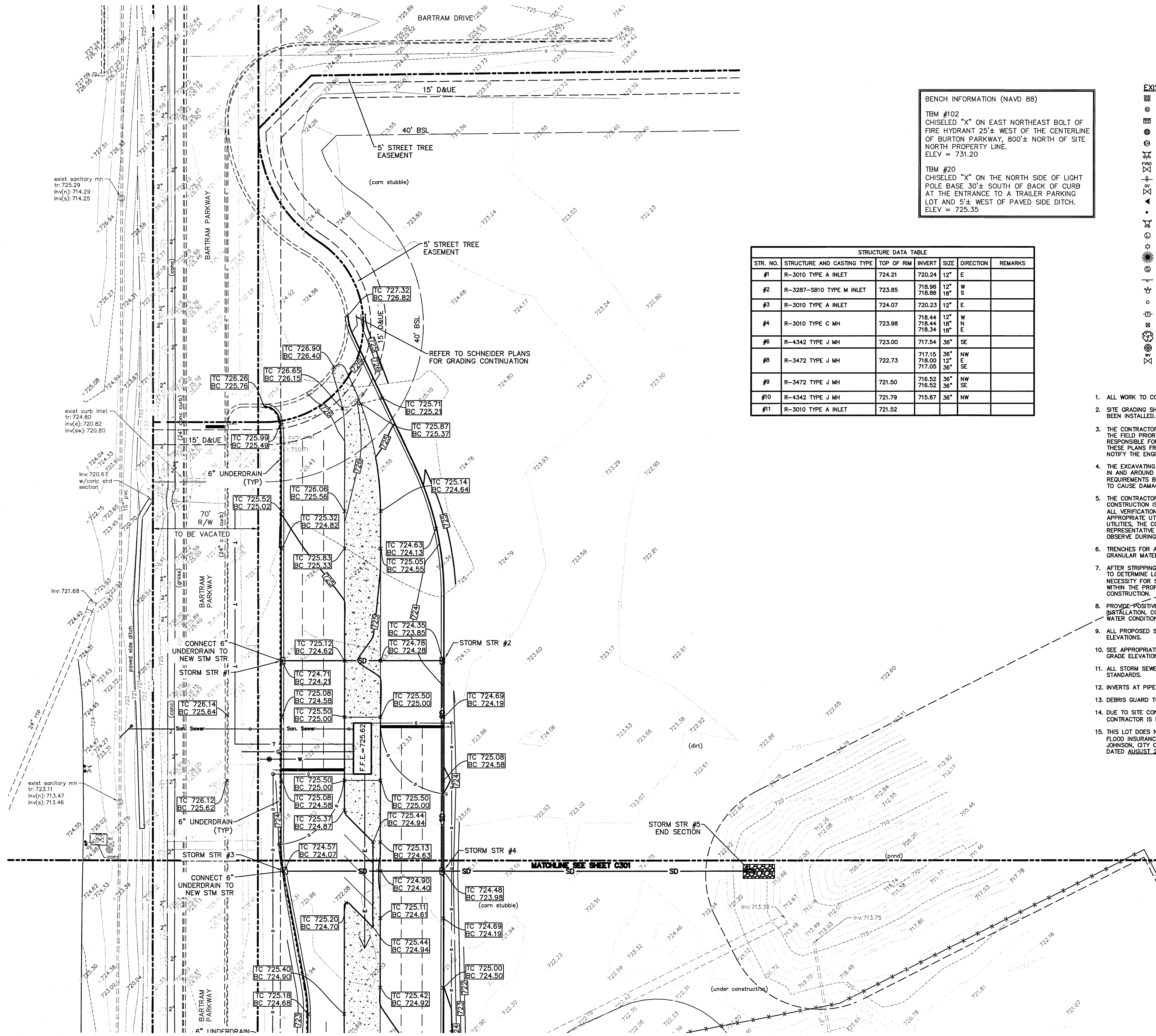
#### REVISIONS

| NO. | DESCRIPTION |
|-----|-------------|
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#### SHEET NO.

**C.201**  
OF





BENCH INFORMATION (NAVD 88)

TBM #102  
CHISELED "X" ON EAST NORTHEAST BOLT OF  
FIRE HYDRANT 25'± WEST OF THE CENTERLINE  
OF BURTON PARKWAY, 800'± NORTH OF SITE  
NORTH PROPERTY LINE.  
ELEV = 731.20

TBM #20  
CHISELED "X" ON THE NORTH SIDE OF LIGHT  
POLE BASE 30'± SOUTH OF BACK OF CURB  
AT THE ENTRANCE TO A TRAILER PARKING  
LOT AND 5'± WEST OF PAVED SIDE DITCH.  
ELEV = 725.35

| STRUCTURE DATA TABLE |                            |            |                            |                   |               |         |
|----------------------|----------------------------|------------|----------------------------|-------------------|---------------|---------|
| STR. NO.             | STRUCTURE AND CASTING TYPE | TOP OF RIM | INVERT                     | SIZE              | DIRECTION     | REMARKS |
| #1                   | R-3010 TYPE A INLET        | 724.21     | 720.24                     | 12"               | E             |         |
| #2                   | R-3287-SB10 TYPE M INLET   | 723.85     | 718.96<br>718.86           | 12"<br>18"        | W<br>S        |         |
| #3                   | R-3010 TYPE A INLET        | 724.07     | 720.23                     | 12"               | E             |         |
| #4                   | R-3010 TYPE C MH           | 723.98     | 718.44<br>718.44<br>718.34 | 12"<br>18"<br>18" | W<br>N<br>E   |         |
| #6                   | R-4342 TYPE J MH           | 723.00     | 717.54                     | 36"               | SE            |         |
| #8                   | R-3472 TYPE J MH           | 722.73     | 717.15<br>718.00<br>717.05 | 36"<br>12"<br>36" | NW<br>E<br>SE |         |
| #9                   | R-3472 TYPE J MH           | 721.50     | 716.52<br>716.52           | 36"<br>36"        | NW<br>SE      |         |
| #10                  | R-4342 TYPE J MH           | 721.79     | 715.87                     | 36"               | NW            |         |
| #11                  | R-3010 TYPE A INLET        | 721.52     |                            |                   |               |         |

- EXISTING LEGEND**
- Beehive Inlet
  - Clean Out
  - Curb Inlet
  - Drainage Inlet
  - Electric Handhole
  - Fire Hydrant
  - Fire Valve Shut Off
  - Gas Marker
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  - Guard Post
  - Hose Bib
  - Lid
  - Light Pole
  - PineTree
  - Sanitary MH
  - Sign
  - Sprinkler Control Valve
  - Stand Pipe
  - Telephone Pedestal
  - Transformer
  - Tree
  - Water Meter
  - Water Valve

**GENERAL GRADING NOTES**

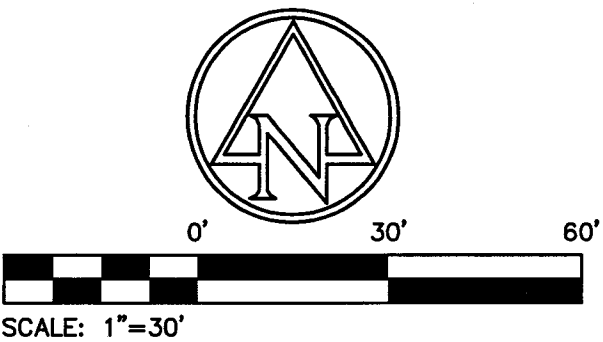
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- THE EXCAVATING CONTRACTOR MUST TAKE PARTICULAR CARE WHEN EXCAVATING IN AND AROUND EXISTING UTILITY LINES AND EQUIPMENT. VERIFY COVER REQUIREMENTS BY UTILITY CONTRACTOR'S AND/OR UTILITY COMPANIES SO AS NOT TO CAUSE DAMAGE.
- THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES 72 HOURS BEFORE CONSTRUCTION IS TO START, TO VERIFY IF ANY UTILITIES ARE PRESENT ON SITE. ALL VERIFICATIONS (location, size and depth) SHALL BE MADE BY THE APPROPRIATE UTILITY COMPANIES. WHEN EXCAVATING AROUND OR OVER EXISTING UTILITIES, THE CONTRACTOR MUST NOTIFY THE UTILITY COMPANY SO A REPRESENTATIVE OF THAT UTILITY COMPANY CAN BE PRESENT TO INSTRUCT AND OBSERVE DURING CONSTRUCTION.
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- THIS LOT DOES NOT LIE WITHIN ANY FLOOD HAZARD ZONE AS SCALED FROM THE FLOOD INSURANCE RATE MAP (FIRM) FOR JOHNSON COUNTY, INDIANA, COMMUNITY JOHNSON, CITY OF FRANKLIN, COMMUNITY NUMBER 18081C, PANEL NUMBER 0233D, DATED AUGUST 2, 2007.

- NOTES:**
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INC.

REGISTERED  
No  
PE10606045  
STATE OF  
INDIANA  
PROFESSIONAL ENGINEER  
C-13-6072  
CERTIFIED BY

**GRADING PLAN**

PREPARED FOR:  
**TIPPMANN CONSTRUCTION INC.**  
9009 COLDWATER ROAD  
FT. WAYNE, INDIANA 46825

PROJECT:  
**TRUCK DRIVE  
INTERSTATE WAREHOUSE FACILITY  
FRANKLIN, INDIANA**

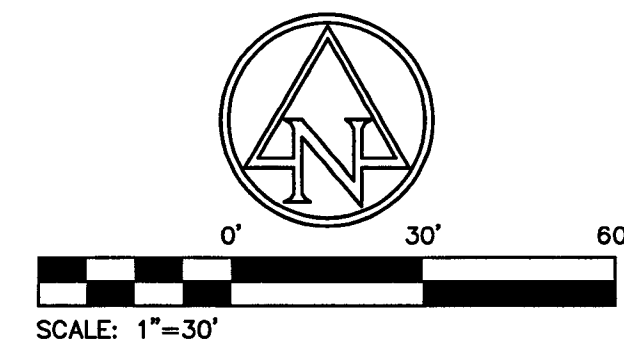
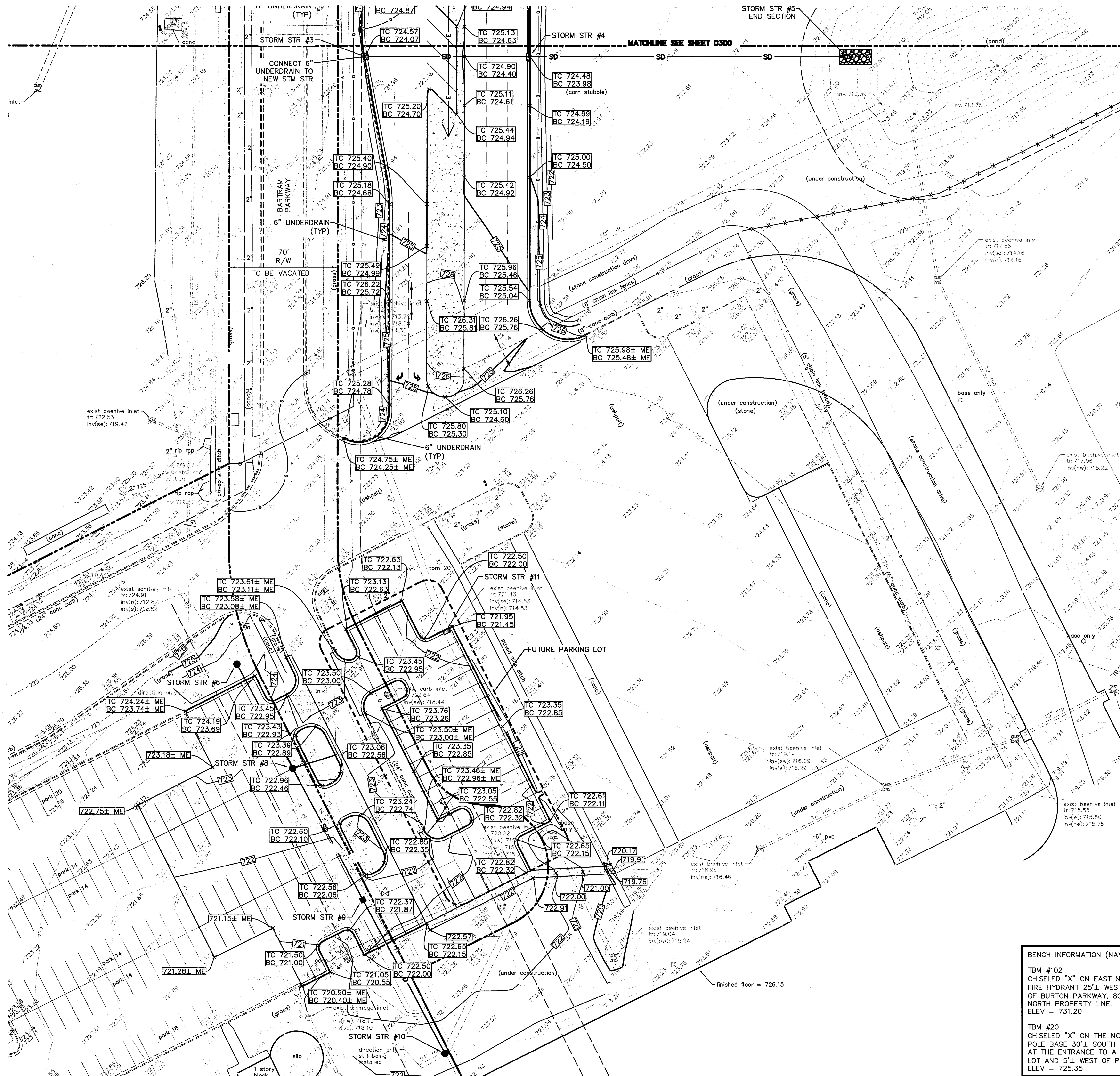
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| CHK'D BY: | WAB       |
| JOB NO.   | 201200731 |

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| REVISIONS |
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SHEET NO.  
**C.300**  
OF

201200731.CE.C.300-301.GP.dwg





- EXISTING LEGEND**
- Beehive Inlet
  - Clean Out
  - Curb Inlet
  - Drainage Inlet
  - Electric Handhole
  - Fire Hydrant
  - Fire Valve Shut Off
  - Gas Marker
  - Gas Valve
  - Ground Light
  - Guard Post
  - Hose Bib
  - Lid
  - Light Pole
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  - Sanitary MH
  - Sign
  - Sprinkler Control Valve
  - Stand Pipe
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www.structurepoint.com

AMERICAN  
**STRUCTUREPOINT**  
INC.

WILLIAM A. BUTT, JR.  
No. PE10606045  
STATE OF INDIANA  
PROFESSIONAL ENGINEER  
C.B. 2012  
CERTIFIED BY

**GRADING PLAN**

PREPARED FOR:  
**TIPPMANN CONSTRUCTION INC.**  
9009 COLDWATER ROAD  
FT. WAYNE, INDIANA 46825

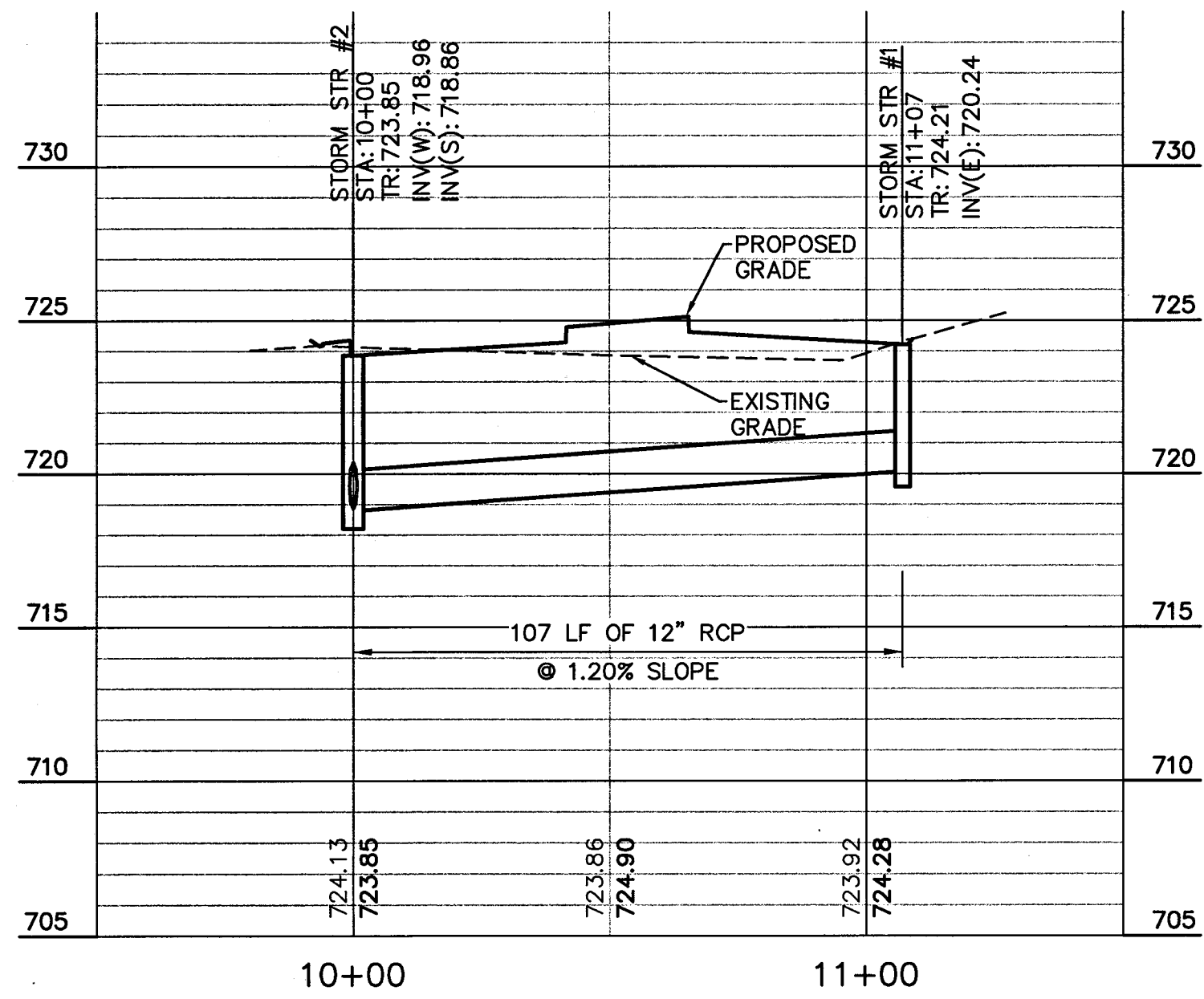
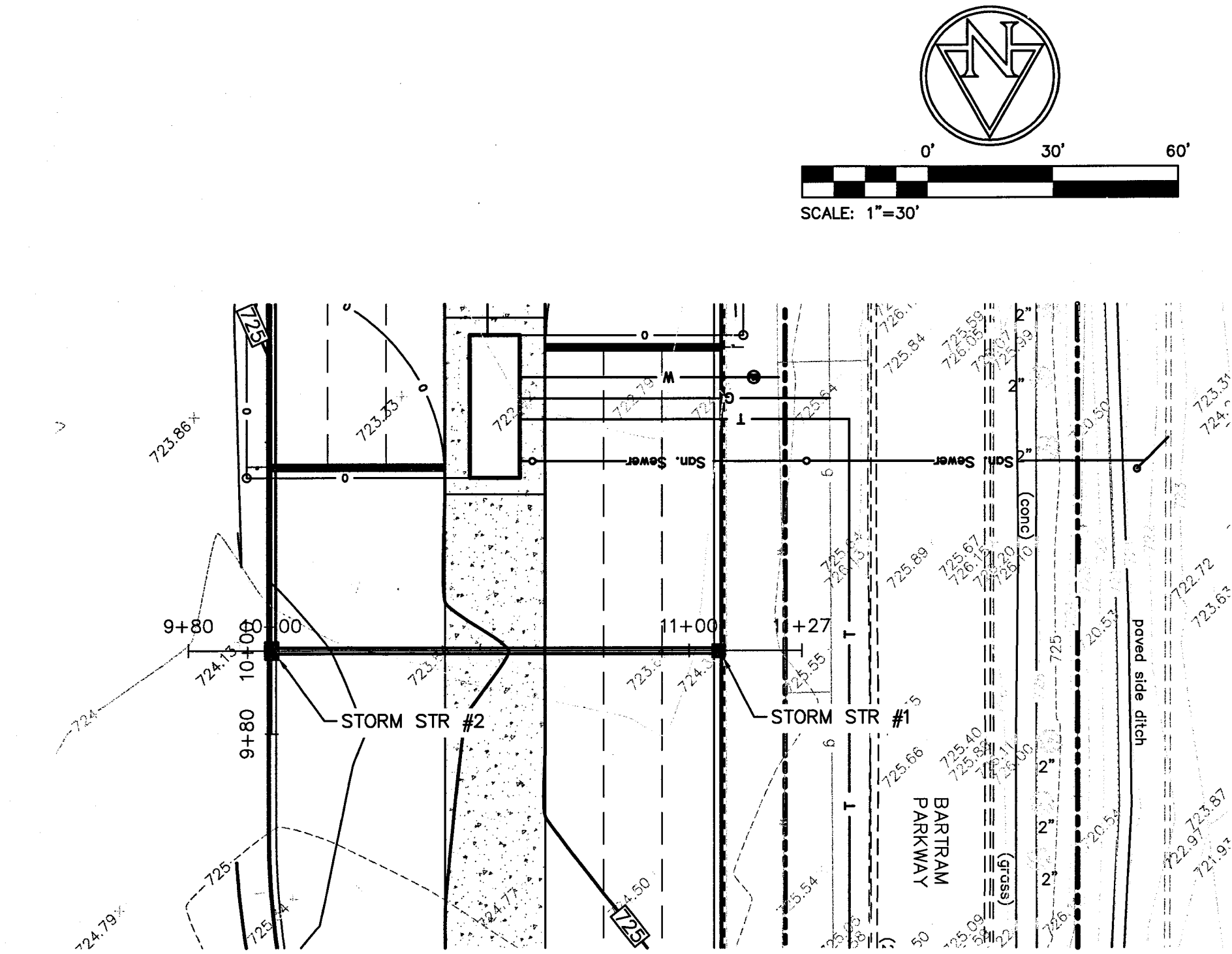
PROJECT:  
**TRUCK DRIVE  
WAREHOUSE FACILITY  
FRANKLIN, INDIANA**

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|-----------|-----------|
| DATE:     |           |
| DRAWN BY: | DCR       |
| CHK'D BY: | WAB       |
| JOB NO.   | 201200731 |

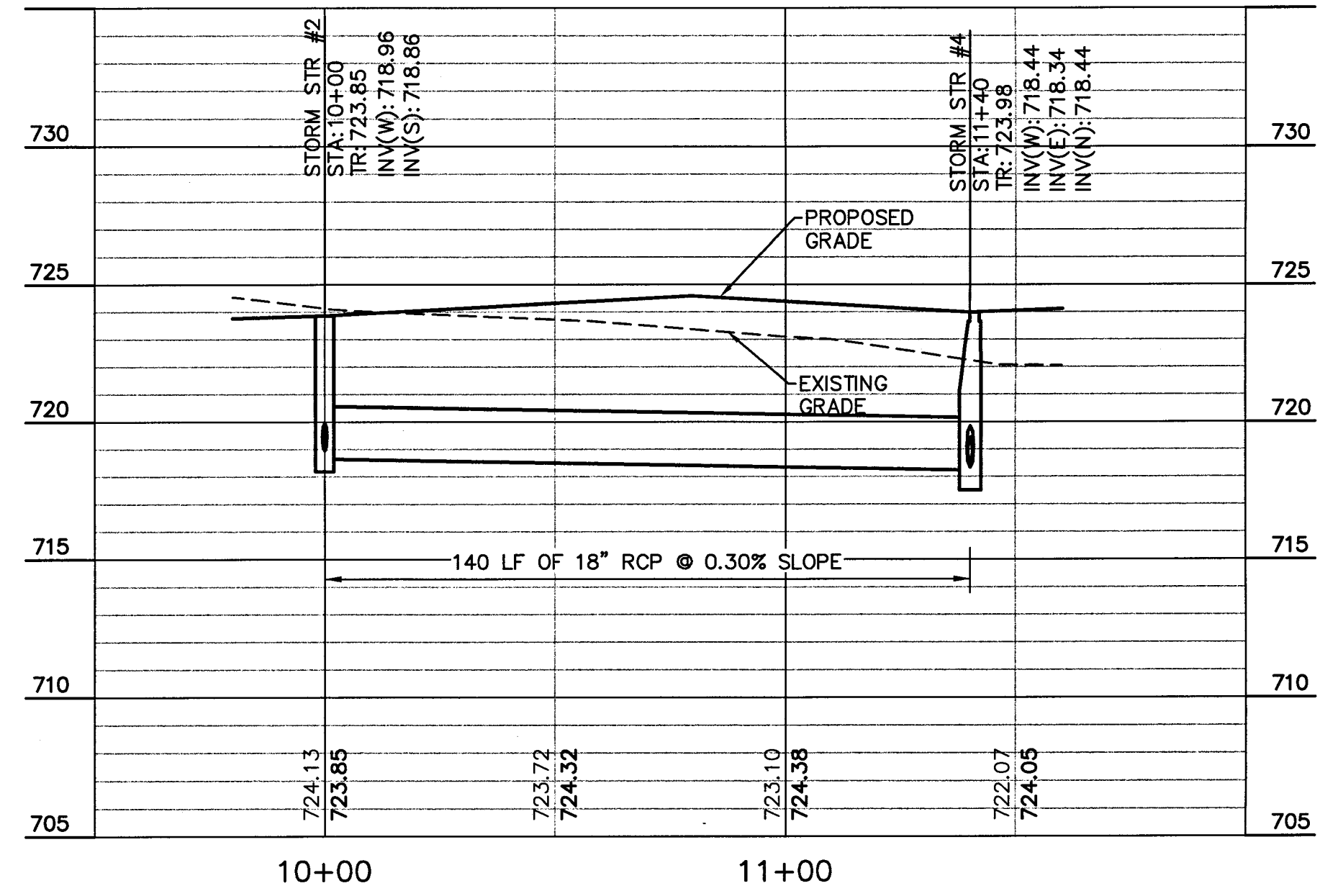
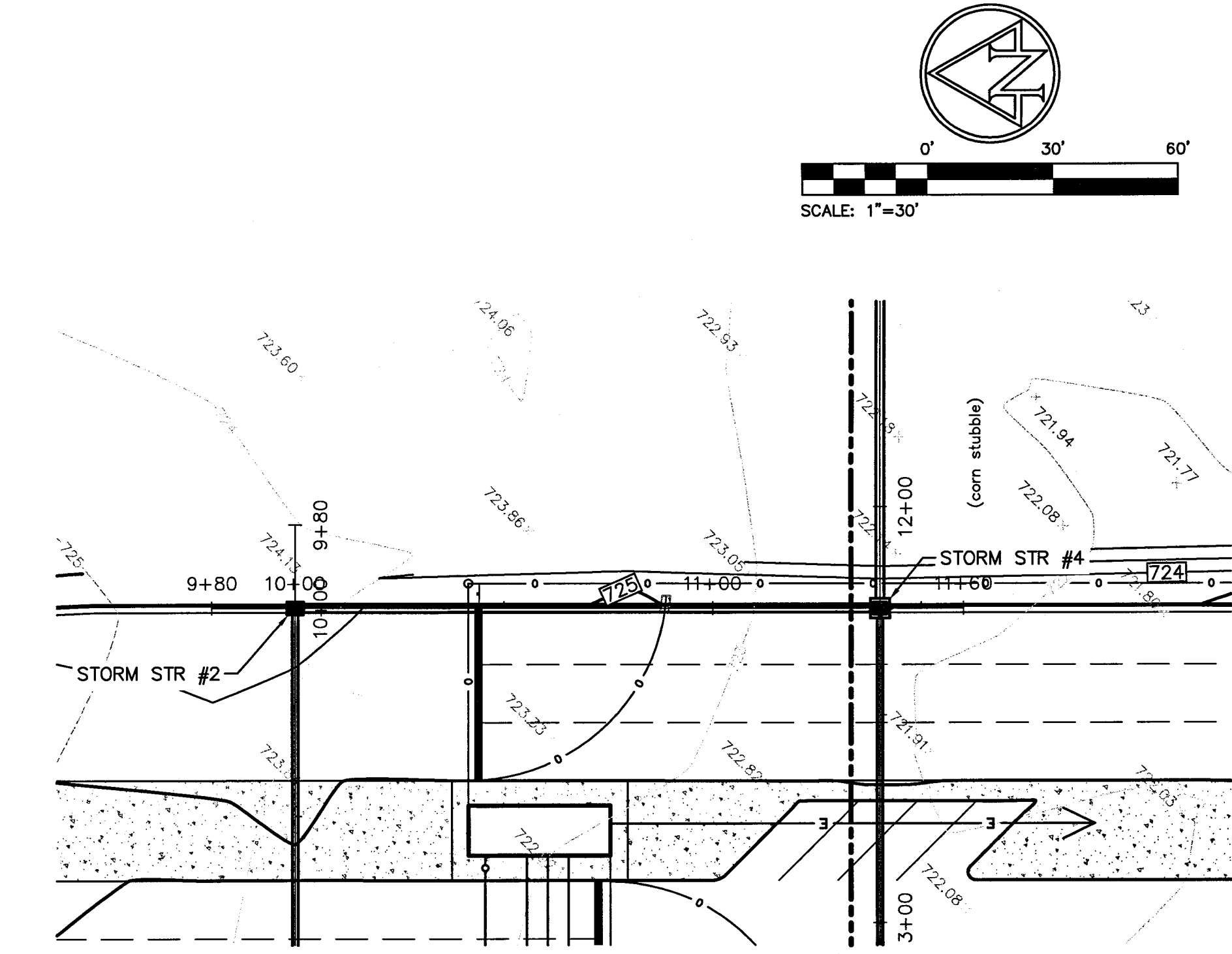
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SHEET NO.  
**C.301**  
OF





HORIZONTAL SCALE: 1" = 30'  
VERTICAL SCALE: 1" = 5'



HORIZONTAL SCALE: 1" = 30'  
VERTICAL SCALE: 1" = 5'

- NOTES:
- CONTRACTOR SHALL PROTECT AND NOT DESTROY THE PROPERTY CORNER MONUMENTS DURING CONSTRUCTION.
  - CONTRACTOR TO VERIFY LOCATION, SIZE AND DEPTH OF EXISTING UTILITIES PRIOR TO COMMENCING ANY CONSTRUCTION. CONTACT ENGINEER IF VARIATION EXISTS.

CAUTION !!  
THE LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED UPON ABOVE GROUND EVIDENCE ( including, but not limited to, manholes, inlets, valves, and marks made upon the ground by others ) AND ARE SPECULATIVE IN NATURE. THERE MAY ALSO BE OTHER EXISTING UNDERGROUND UTILITIES FOR WHICH THERE IS NO ABOVE GROUND EVIDENCE OR FOR WHICH NO ABOVE GROUND EVIDENCE WAS OBSERVED. THE EXACT LOCATIONS OF SAID EXISTING UNDERGROUND UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY AND ALL CONSTRUCTION.

1-800-382-5544  
CALL TOLL FREE  
- INDIANA UNDERGROUND -

## STORM SEWER PLAN & PROFILE

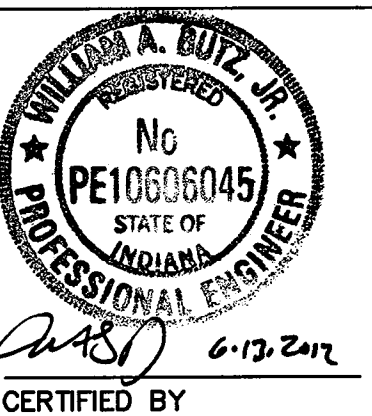
PREPARED FOR:  
**TIPPMANN CONSTRUCTION INC.**  
9009 COLDWATER ROAD  
FT. WAYNE, INDIANA 46825

PROJECT:  
**INTERSTATE WAREHOUSE FACILITY**  
FRANKLIN, INDIANA

DATE:  
DRAWN BY: DCR  
CHK'D BY: WAB  
JOB NO. 201200731

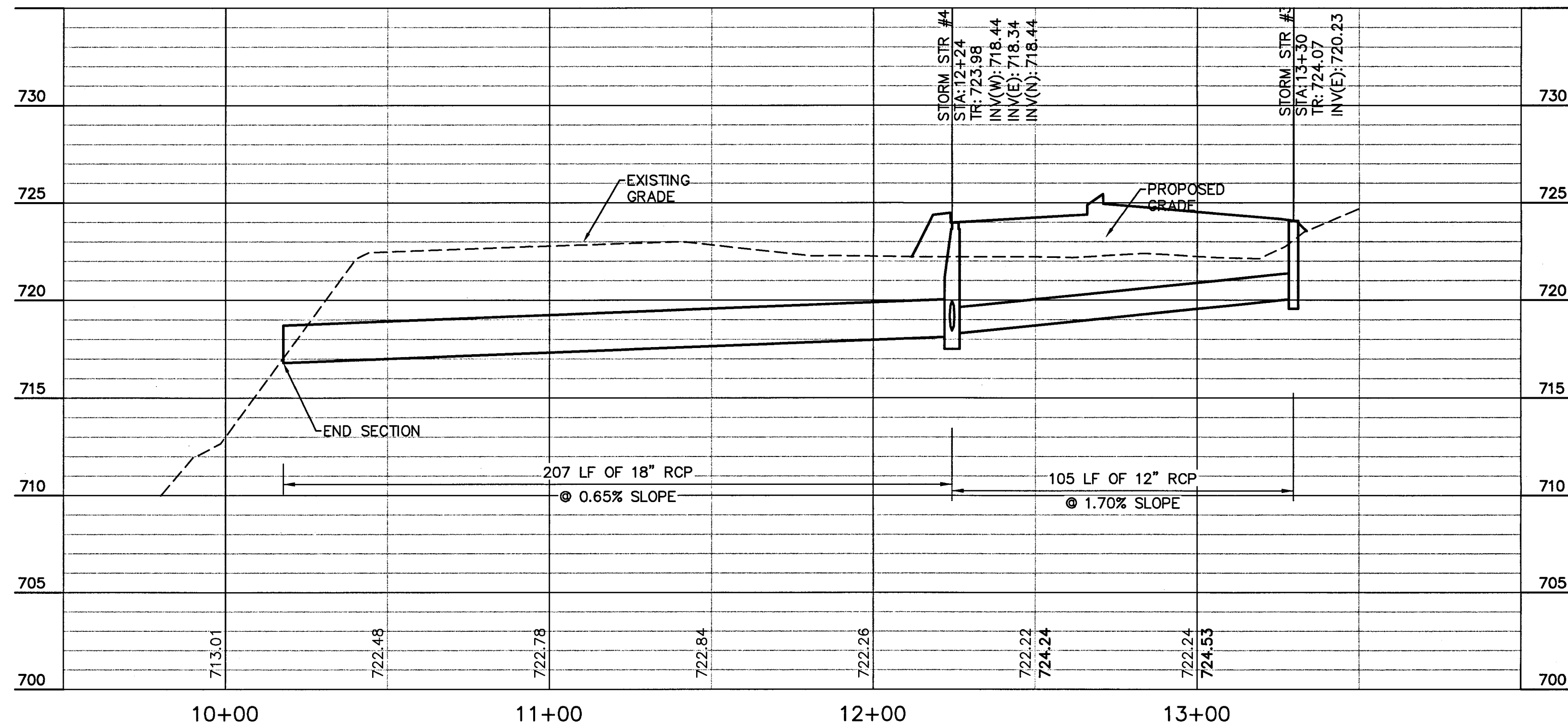
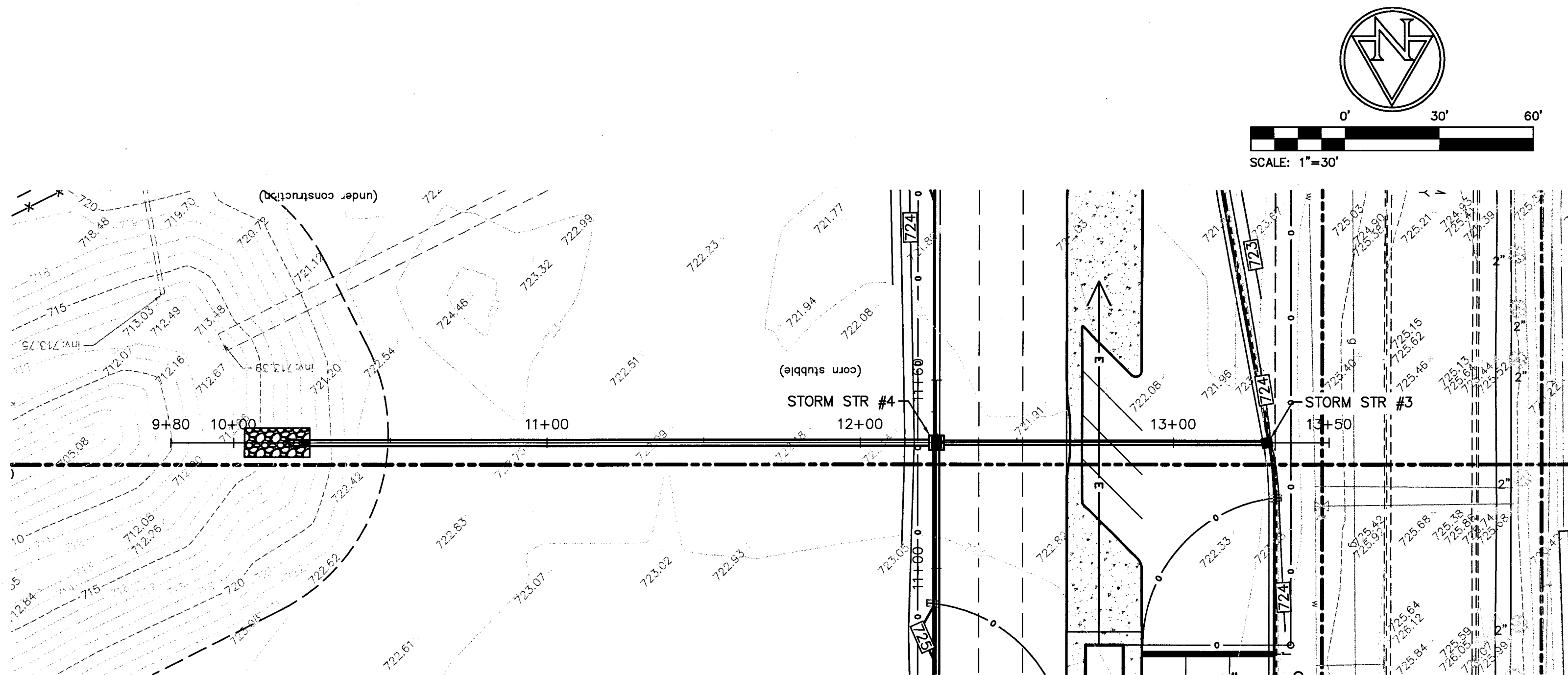
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SHEET NO.  
**C.302**  
OF



7280 SHADELAND STATION  
INDIANAPOLIS, IN 46256-3957  
TEL 317.347.5347  
www.structurepoint.com





HORIZONTAL SCALE: 1" = 30'  
VERTICAL SCALE: 1" = 5'

- NOTES:
- CONTRACTOR SHALL PROTECT AND NOT DESTROY THE PROPERTY CORNER MONUMENTS DURING CONSTRUCTION.
  - CONTRACTOR TO VERIFY LOCATION, SIZE AND DEPTH OF EXISTING UTILITIES PRIOR TO COMMENCING ANY CONSTRUCTION. CONTACT ENGINEER IF VARIATION EXISTS.

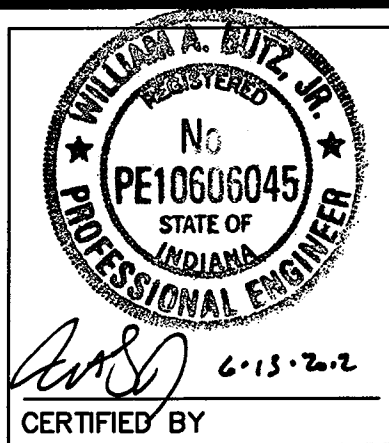
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1-800-382-5544  
CALL TOLL FREE  
- INDIANA UNDERGROUND -

STORM SEWER PLAN & PROFILE  
PROJECT:  
TRUCK DRIVE  
INTERSTATE WAREHOUSE FACILITY  
FRANKLIN, INDIANA  
PREPARED FOR:  
TIPPMANN CONSTRUCTION INC.  
9009 COLDWATER ROAD  
FT. WAYNE, INDIANA 46825

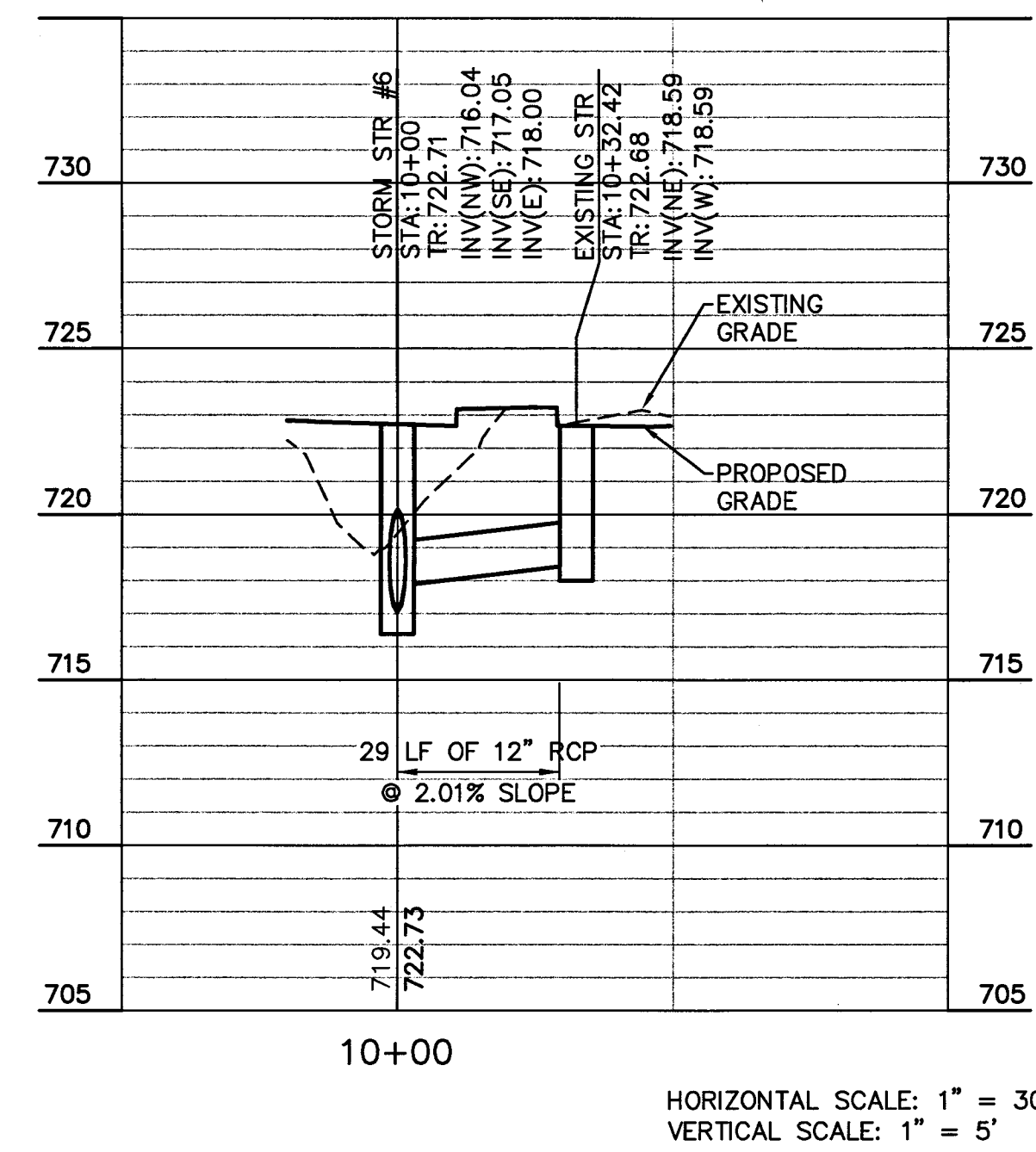
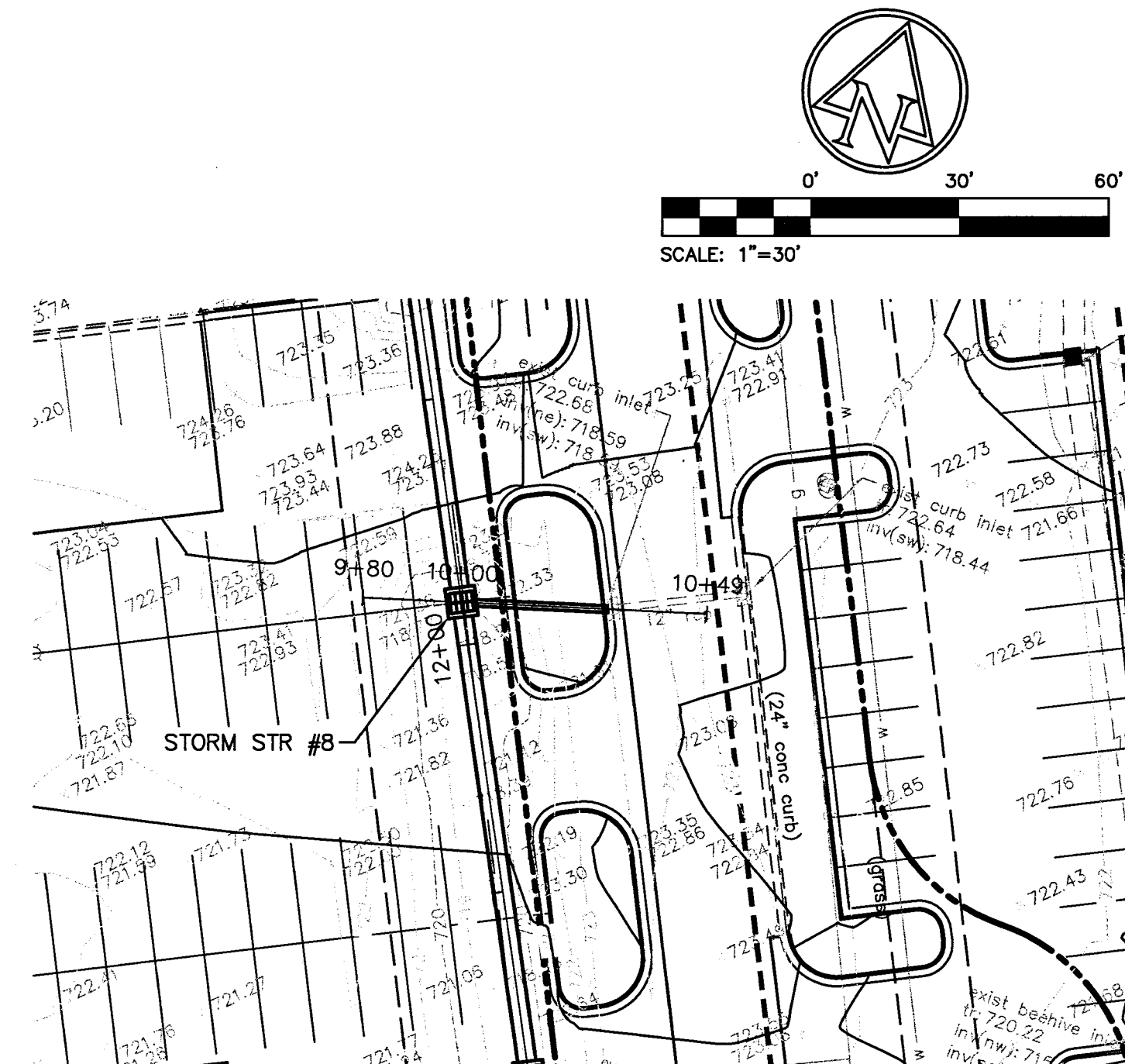
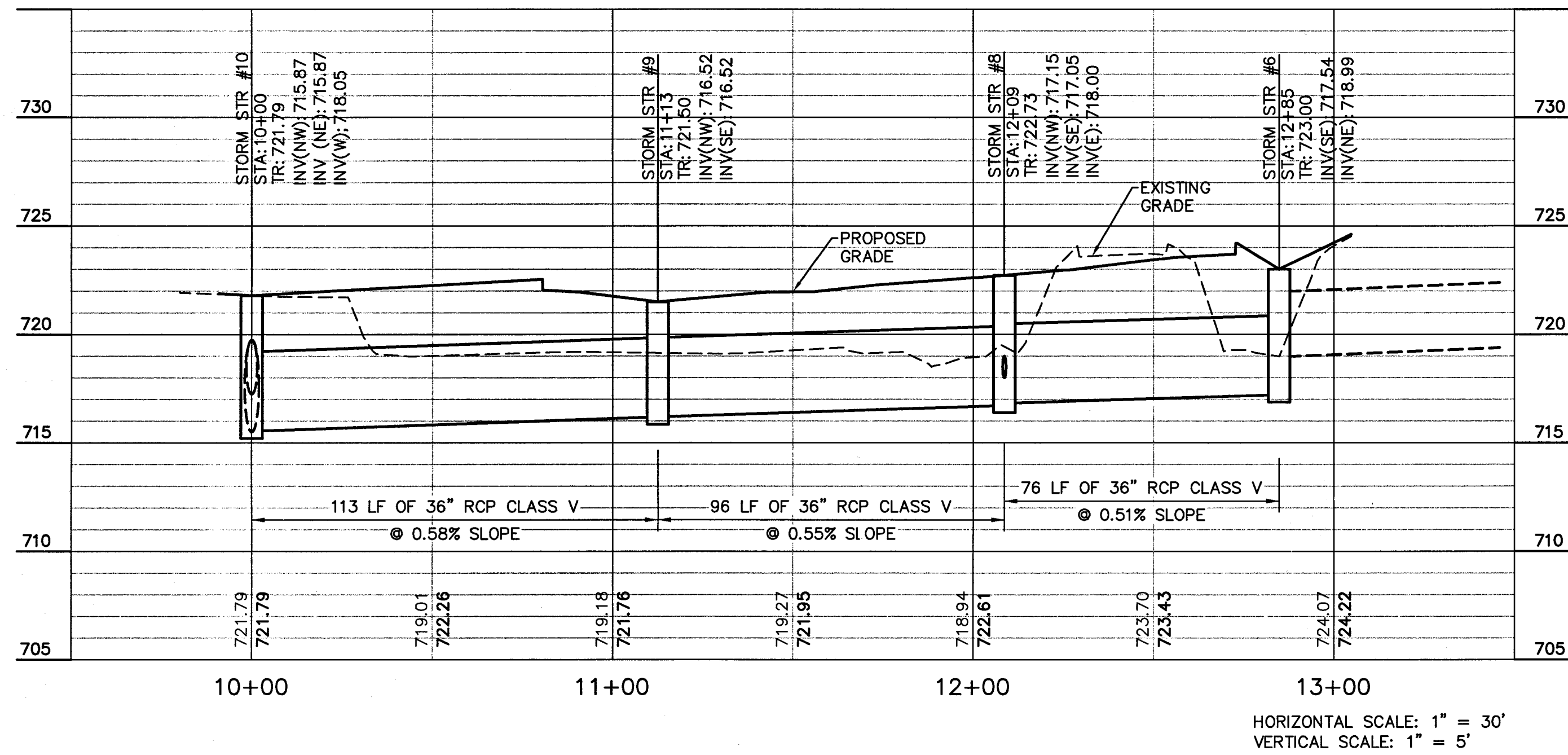
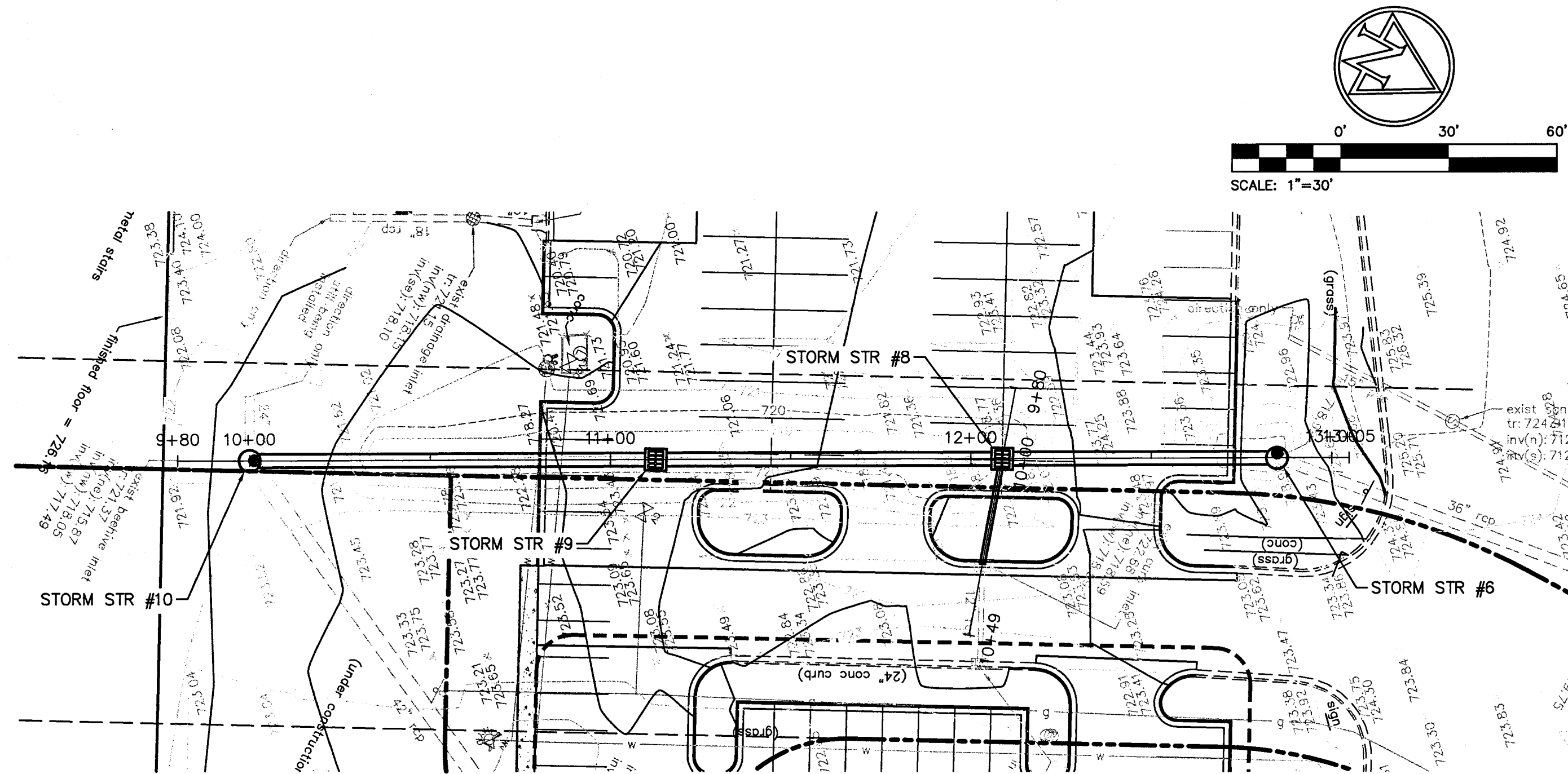
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DRAWN BY: DCR  
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JOB NO. 201200731

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SHEET NO.  
**C.303**  
OF







- NOTES:
- CONTRACTOR SHALL PROTECT AND NOT DESTROY THE PROPERTY CORNER MONUMENTS DURING CONSTRUCTION.
  - CONTRACTOR TO VERIFY LOCATION, SIZE AND DEPTH OF EXISTING UTILITIES PRIOR TO COMMENCING ANY CONSTRUCTION. CONTACT ENGINEER IF VARIATION EXISTS.

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- INDIANA UNDERGROUND -

STORM SEWER PLAN & PROFILE

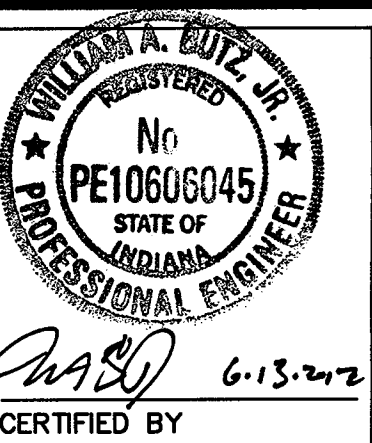
PROJECT:  
TRUCK DRIVE  
INTERSTATE WAREHOUSE FACILITY  
FRANKLIN, INDIANA

PREPARED FOR:  
TIPPMANN CONSTRUCTION INC.  
9009 COLDWATER ROAD  
FT. WAYNE, INDIANA 46825

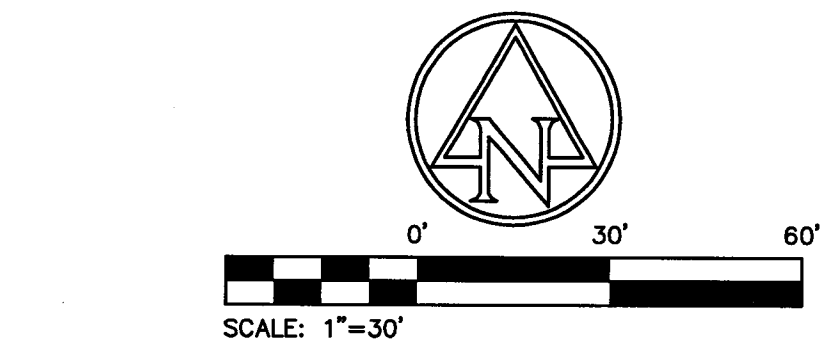
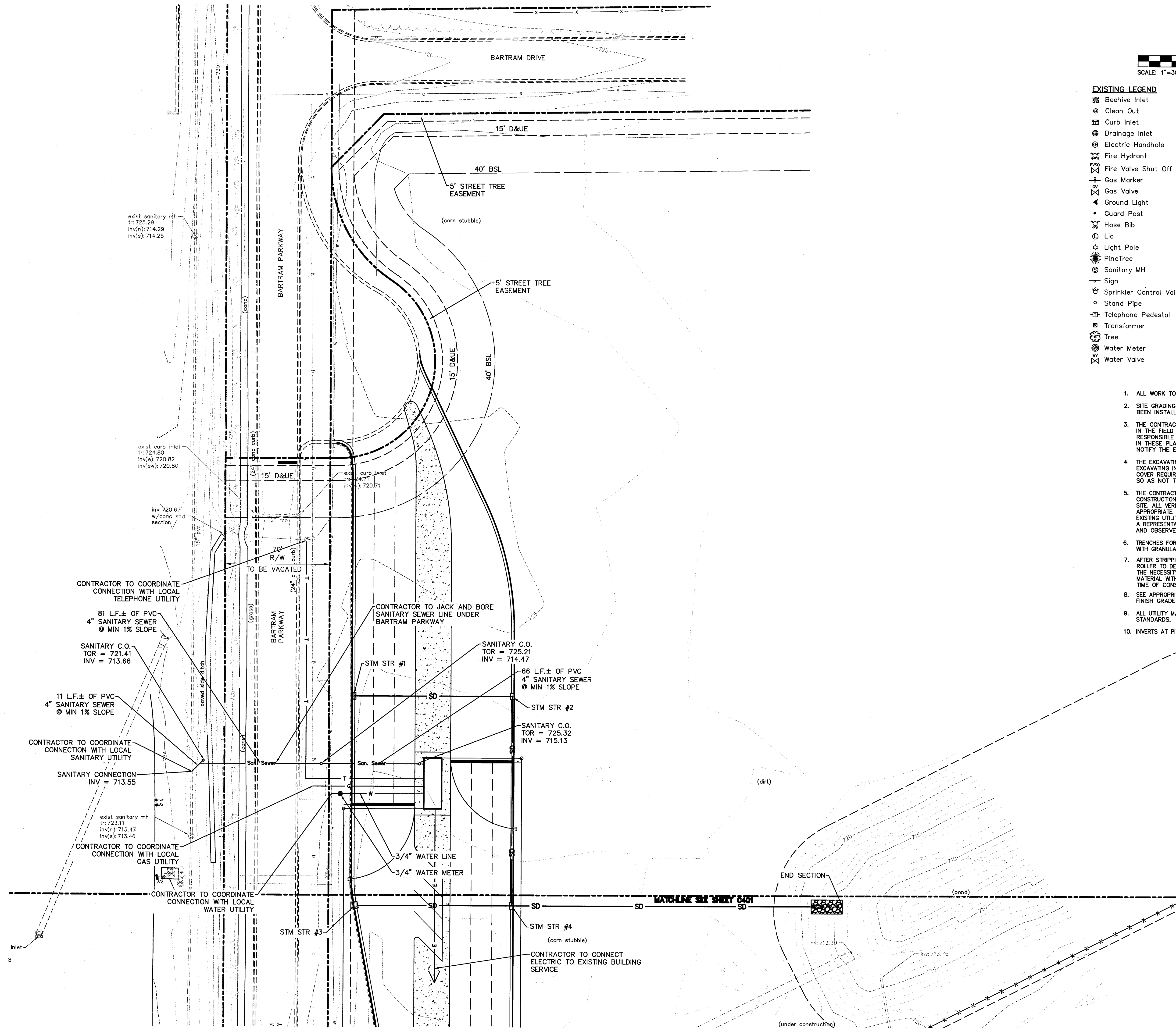
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CHK'D BY: WAB  
JOB NO. 201200731

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SHEET NO.  
**C.304**  
OF







**EXISTING LEGEND**

- ⊕ Beehive Inlet
- ⊙ Clean Out
- ⊕ Curb Inlet
- ⊕ Drainage Inlet
- ⊕ Electric Handhole
- ⊕ Fire Hydrant
- ⊕ Fire Valve Shut Off
- ⊕ Gas Marker
- ⊕ Gas Valve
- ⊕ Ground Light
- Guard Post
- ⊕ Hose Bib
- ⊕ Lid
- ☆ Light Pole
- ⊕ Pine Tree
- ⊕ Sanitary MH
- ⊕ Sign
- ⊕ Sprinkler Control Valve
- ⊕ Stand Pipe
- ⊕ Telephone Pedestal
- ⊕ Transformer
- ⊕ Tree
- ⊕ Water Meter
- ⊕ Water Valve

**PROPOSED UTILITY LEGEND**

- San. Sewer — SANITARY SEWER LINE
- G — GAS LINE
- E — ELECTRIC LINE
- T — TELEPHONE LINE
- W — WATER LINE
- ⊕ GM — GAS METER
- ⊕ ET — ELECTRICAL TRANSFORMER
- ⊕ VALVE
- ⊕ WATER METER PIT
- ⊕ HYDRANT
- ⊕ MANHOLE

**GENERAL UTILITY NOTES**

1. ALL WORK TO CONFORM TO STATE AND LOCAL REGULATIONS.
2. SITE GRADING SHALL NOT PROCEED UNTIL EROSION CONTROL MEASURES HAVE BEEN INSTALLED.
3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS (VERTICAL AND HORIZONTAL) IN THE FIELD PRIOR TO STARTING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FIELD DIMENSIONS. IF ANY DISCREPANCIES ARE FOUND IN THESE PLANS FROM THE ACTUAL FIELD CONDITIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.
4. THE EXCAVATING CONTRACTOR MUST TAKE PARTICULAR CARE WHEN EXCAVATING IN AND AROUND EXISTING UTILITY LINES AND EQUIPMENT. VERIFY COVER REQUIREMENTS BY UTILITY CONTRACTOR'S AND/OR UTILITY COMPANIES SO AS NOT TO CAUSE DAMAGE.
5. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES 72 HOURS BEFORE CONSTRUCTION IS TO START, TO VERIFY IF ANY UTILITIES ARE PRESENT ON SITE. ALL VERIFICATIONS (location, size and depth) SHALL BE MADE BY THE APPROPRIATE UTILITY COMPANIES. WHEN EXCAVATING AROUND OR OVER EXISTING UTILITIES, THE CONTRACTOR MUST NOTIFY THE UTILITY COMPANY SO A REPRESENTATIVE OF THAT UTILITY COMPANY CAN BE PRESENT TO INSTRUCT AND OBSERVE DURING CONSTRUCTION.
6. TRENCHES FOR ALL STORM DRAIN LINES SHALL BE BACKFILLED COMPLETELY WITH GRANULAR MATERIAL IF WITHIN 5 FEET OF PAVEMENT.
7. AFTER STRIPPING TOPSOIL MATERIAL, PROOFROLL WITH A MEDIUM WEIGHT ROLLER TO DETERMINE LOCATIONS OF ANY POCKETS OF UNSUITABLE MATERIAL. THE NECESSITY FOR SUBDRAINS AND/OR REMOVAL OF ANY UNSUITABLE MATERIAL WITHIN THE PROPOSED PARKING AREAS WILL BE DETERMINED AT THE TIME OF CONSTRUCTION.
8. SEE APPROPRIATE DETAILS TO DETERMINE SUBGRADE ELEVATIONS BELOW FINISH GRADE ELEVATIONS INDICATED.
9. ALL UTILITY MATERIALS AND INSTALLATION SHALL CONFORM TO LOCAL STANDARDS.
10. INVERTS AT PIPE OUTLETS ARE GIVEN AT END OF PIPE END SECTION.

**BENCH INFORMATION (NAVD 88)**

TBM #102  
CHISELED "X" ON EAST NORTHEAST BOLT OF  
FIRE HYDRANT 25'± WEST OF THE CENTERLINE  
OF BURTON PARKWAY, 800'± NORTH OF SITE  
NORTH PROPERTY LINE.  
ELEV = 731.20

TBM #20  
CHISELED "X" ON THE NORTH SIDE OF LIGHT  
POLE BASE 30'± SOUTH OF BACK OF CURB  
AT THE ENTRANCE TO A TRAILER PARKING  
LOT AND 5'± WEST OF PAVED SIDE DITCH.  
ELEV = 725.35

**NOTES:**

1. CONTRACTOR SHALL PROTECT AND NOT DESTROY THE PROPERTY CORNER MONUMENTS DURING CONSTRUCTION.
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1-800-382-5544  
CALL TOLL FREE  
— INDIANA UNDERGROUND —

7260 SHADELAND STATION  
INDIANAPOLIS, IN 46243-0857  
TEL 317.541.5555  
www.structurepoint.com

AMERICAN  
**STRUCTUREPOINT**  
INC.

WILLIAM A. GUFF, JR.  
REGISTERED  
No. PE10606045  
STATE OF INDIANA  
PROFESSIONAL ENGINEER  
6.3.2012  
CERTIFIED BY

**UTILITY PLAN**

PREPARED FOR:  
**TIPPMANN CONSTRUCTION INC.**  
9009 COLDWATER ROAD  
FT. WAYNE, INDIANA 46825

PROJECT:  
**TRUCK DRIVE  
WAREHOUSE FACILITY  
FRANKLIN, INDIANA**

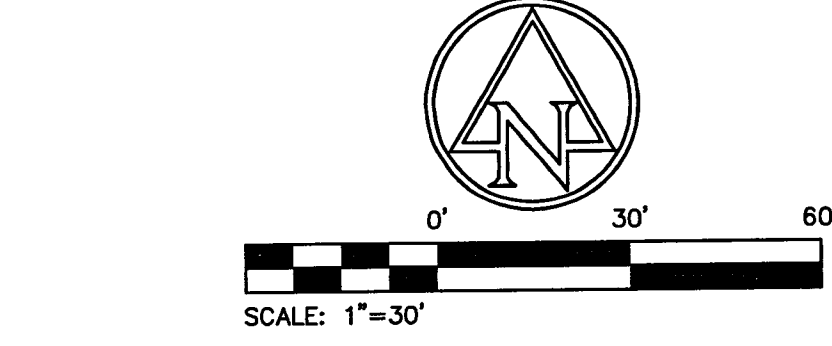
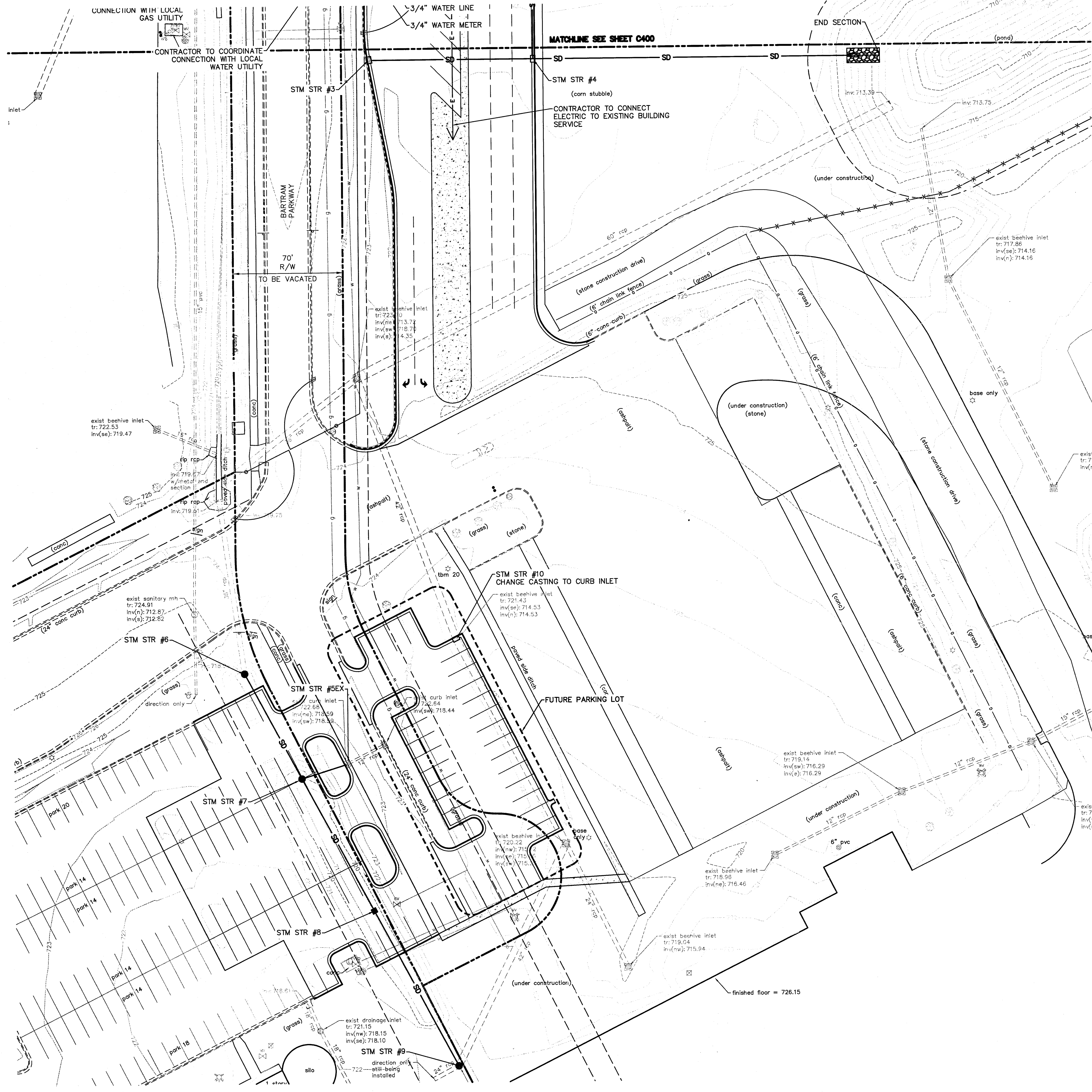
DATE: \_\_\_\_\_  
DRAWN BY: DCR  
CHK'D BY: WAB  
JOB NO. 201200731

REVISIONS

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SHEET NO.  
**C.400**  
OF





- EXISTING LEGEND**
- Beehive Inlet
  - Clean Out
  - Curb Inlet
  - Drainage Inlet
  - Electric Handhole
  - Fire Hydrant
  - Fire Valve Shut Off
  - Gas Marker
  - Gas Valve
  - Ground Light
  - Guard Post
  - Hose Bib
  - Lid
  - Light Pole
  - PineTree
  - Sanitary MH
  - Sign
  - Sprinkler Control Valve
  - Stand Pipe
  - Telephone Pedestal
  - Transformer
  - Tree
  - Water Meter
  - Water Valve
- PROPOSED UTILITY LEGEND**
- San. Sewer
  - G
  - E
  - T
  - W
  - GM
  - VALVE
  - WATER METER PIT
  - HYDRANT
  - MANHOLE

- GENERAL UTILITY NOTES**
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  - AFTER STRIPPING TOPSOIL MATERIAL, PROOFROLL WITH A MEDIUM WEIGHT ROLLER TO DETERMINE LOCATIONS OF ANY POCKETS OF UNSUITABLE MATERIAL. THE NECESSITY FOR SUBDRAINS AND/OR REMOVAL OF ANY UNSUITABLE MATERIAL WITHIN THE PROPOSED PARKING AREAS WILL BE DETERMINED AT THE TIME OF CONSTRUCTION.
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**BENCH INFORMATION (NAVD 88)**

TBM #102  
CHISELED "X" ON EAST NORTHEAST BOLT OF FIRE HYDRANT 25'± WEST OF THE CENTERLINE OF BURTON PARKWAY, 800'± NORTH OF SITE NORTH PROPERTY LINE.  
ELEV = 731.20

TBM #20  
CHISELED "X" ON THE NORTH SIDE OF LIGHT POLE BASE 30'± SOUTH OF BACK OF CURB AT THE ENTRANCE TO A TRAILER PARKING LOT AND 5'± WEST OF PAVED SIDE DITCH.  
ELEV = 725.35

- NOTES:**
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  - CONTRACTOR TO VERIFY LOCATION, SIZE AND DEPTH OF EXISTING UTILITIES PRIOR TO COMMENCING ANY CONSTRUCTION. CONTACT ENGINEER IF VARIATION EXISTS.

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CALL TOLL FREE  
- INDIANA UNDERGROUND -

**AMERICAN STRUCTUREPOINT INC.**

7250 SANDERLAND STATION  
INDIANAPOLIS, IN 46256-3970  
TEL 317.547.5580 FAX 317.543.0270  
www.structurepoint.com

**INDIANA PROFESSIONAL ENGINEER**  
No. PE10606045  
STATE OF INDIANA  
6.13.12  
CERTIFIED BY

**UTILITY PLAN**

PREPARED FOR:  
**TIPPMANN CONSTRUCTION INC.**  
9009 COLDWATER ROAD  
FT. WAYNE, INDIANA 46825

PROJECT:  
**INTERSTATE WAREHOUSE FACILITY**  
FRANKLIN, INDIANA

DATE: \_\_\_\_\_  
DRAWN BY: DCR  
CHK'D BY: WAB  
JOB NO.: 201200731

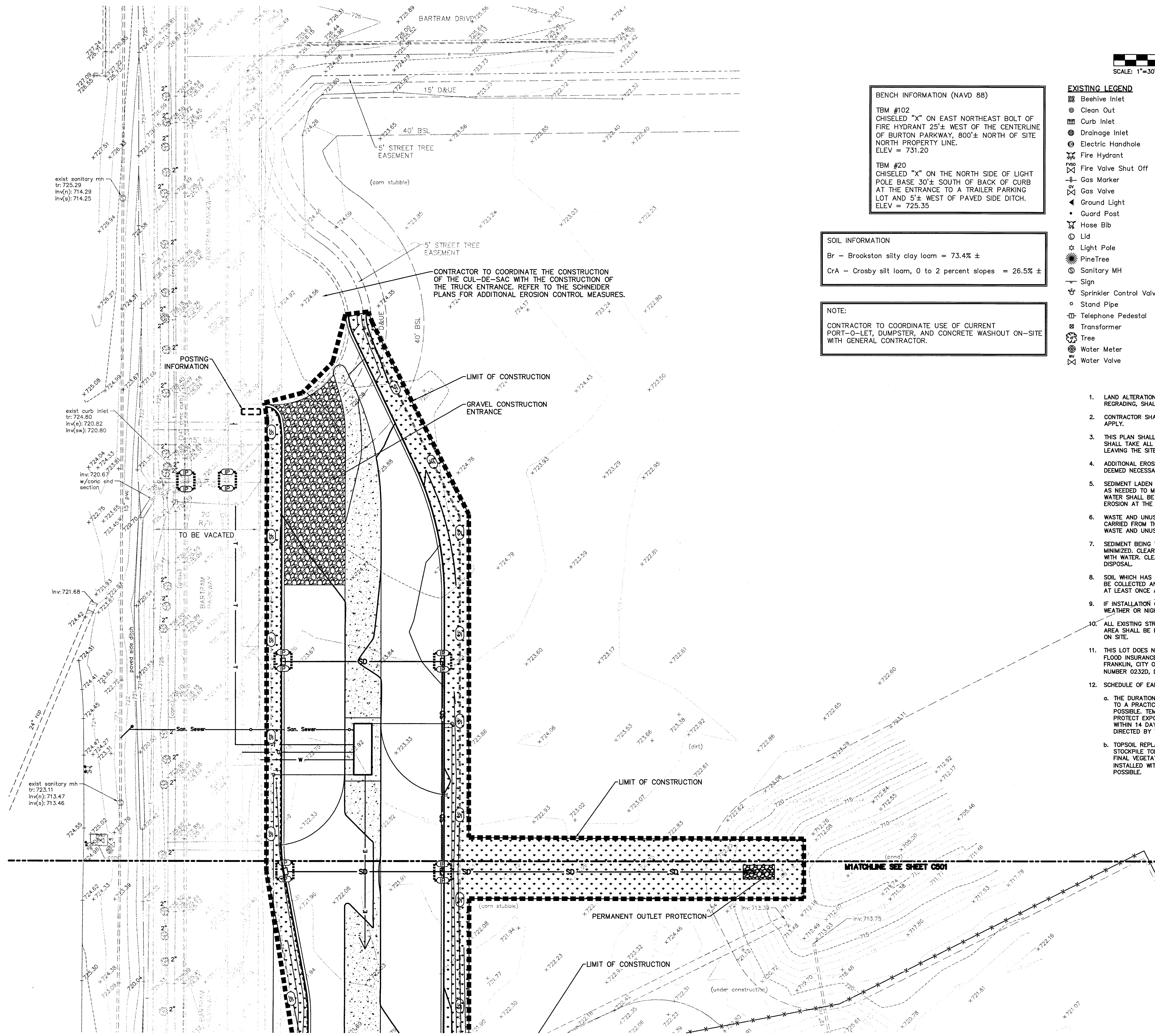
**REVISIONS**

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**SHEET NO.**  
**C.401**  
OF

201200731.CE.C.400-401.UP.dwg





**BENCH INFORMATION (NAVD 88)**

TBM #102  
CHISELED "X" ON EAST NORTHEAST BOLT OF  
FIRE HYDRANT 25'± WEST OF THE CENTERLINE  
OF BURTON PARKWAY, 800'± NORTH OF SITE  
NORTH PROPERTY LINE.  
ELEV = 731.20

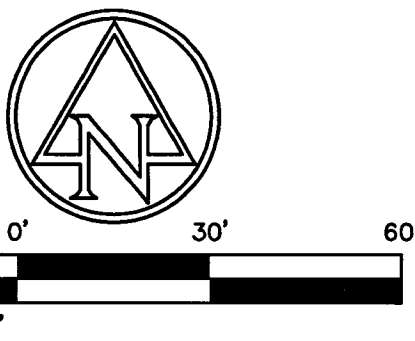
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POLE BASE 30'± SOUTH OF BACK OF CURB  
AT THE ENTRANCE TO A TRAILER PARKING  
LOT AND 5'± WEST OF PAVED SIDE DITCH.  
ELEV = 725.35

**SOIL INFORMATION**

Br - Brookston silty clay loam = 73.4% ±  
CrA - Crosby silt loam, 0 to 2 percent slopes = 26.5% ±

**NOTE:**

CONTRACTOR TO COORDINATE USE OF CURRENT  
PORT-O-LET, DUMPSTER, AND CONCRETE WASHOUT ON-SITE  
WITH GENERAL CONTRACTOR.



**EXISTING LEGEND**

- ⊗ Beehive Inlet
- ⊙ Clean Out
- ⊠ Curb Inlet
- ⊕ Drainage Inlet
- ⊕ Electric Handhole
- ⊕ Fire Hydrant
- ⊕ Fire Valve Shut Off
- ⊕ Gas Marker
- ⊕ Gas Valve
- ⊕ Ground Light
- ⊕ Guard Post
- ⊕ Hose Bib
- ⊕ Lid
- ⊕ Light Pole
- ⊕ PineTree
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- ⊕ Sign
- ⊕ Sprinkler Control Valve
- ⊕ Stand Pipe
- ⊕ Telephone Pedestal
- ⊕ Transformer
- ⊕ Tree
- ⊕ Water Meter
- ⊕ Water Valve

**PROPOSED EROSION CONTROL LEGEND**

- ⊠ SF ⊠ SILT FENCE
- ⊠ CP ⊠ CATCH ALL INLET PROTECTION
- ⊠ SF ⊠ SILT FENCE INLET PROTECTION
- ⊠ EROSION CONTROL BLANKET
- ⊠ TEMPORARY SEEDING
- ⊠ GRAVEL CONSTRUCTION ENTRANCE
- M.E. MATCH EXISTING
- EP EDGE OF PAVEMENT
- BC BOTTOM OF CURB
- TC TOP OF CURB

**EROSION CONTROL NOTES**

1. LAND ALTERATION WHICH STRIPS THE LAND OF VEGETATION, INCLUDING REGRADING, SHALL BE DONE IN A WAY THAT WILL MINIMIZE EROSION.
2. CONTRACTOR SHALL COMPLY WITH ALL STATE AND LOCAL ORDINANCES THAT APPLY.
3. THIS PLAN SHALL NOT BE CONSIDERED ALL INCLUSIVE AS THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT SOIL SEDIMENT FROM LEAVING THE SITE.
4. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY BY ON SITE INSPECTION.
5. SEDIMENT LADEN WATER SHALL BE DETAINED BY EROSION CONTROL PRACTICES AS NEEDED TO MINIMIZE SEDIMENTATION IN THE RECEIVING STREAM. NO STORM WATER SHALL BE DISCHARGED FROM THE SITE IN A MANNER THAT CAUSES EROSION AT THE POINT OF DISCHARGE.
6. WASTE AND UNUSED BUILDING MATERIALS SHALL NOT BE ALLOWED TO BE CARRIED FROM THE SITE BY STORM WATER RUNOFF. PROPER DISPOSAL OF ALL WASTE AND UNUSED BUILDING MATERIALS IS REQUIRED.
7. SEDIMENT BEING TRACKED ONTO PUBLIC OR PRIVATE ROADWAYS SHALL BE MINIMIZED. CLEARING OF ACCUMULATED SEDIMENT SHALL NOT INCLUDE FLUSHING WITH WATER. CLEARED SEDIMENT SHALL BE RETURNED TO THE SITE FOR DISPOSAL.
8. SOIL WHICH HAS ACCUMULATED NEXT TO EROSION CONTROL DEVICES SHALL BE COLLECTED AND RE-DISTRIBUTED ON SITE AFTER EACH RAINFALL EVENT, AND AT LEAST ONCE A WEEK.
9. IF INSTALLATION OF STORM DRAINAGE SYSTEM SHOULD BE INTERRUPTED BY WEATHER OR NIGHTFALL, THE PIPE ENDS SHALL BE COVERED WITH FILTER FABRIC.
10. ALL EXISTING STRUCTURES, FENCING, TREES AND ETC., WITHIN CONSTRUCTION AREA SHALL BE REMOVED AND DISPOSED OF OFF SITE. BURNING IS NOT ALLOWED ON SITE.
11. THIS LOT DOES NOT LIE WITHIN ANY FLOOD HAZARD ZONE AS SCALED FROM THE FLOOD INSURANCE RATE MAP (FIRM) FOR JOHNSON COUNTY, INDIANA, COMMUNITY FRANKLIN, CITY OF JOHNSON COUNTY, COMMUNITY NUMBER 18081 C, PANEL NUMBER 02320, DATED (AUGUST 2, 2007).
12. SCHEDULE OF EARTHWORK ACTIVITIES:
  - a. THE DURATION OF TIME WHICH AN AREA REMAINS EXPOSED SHALL BE KEPT TO A PRACTICAL MINIMUM. THE AREA SHALL BE STABILIZED AS SOON AS POSSIBLE. TEMPORARY VEGETATION OR MULCHING SHALL BE USED TO PROTECT EXPOSED AREAS IF PERMANENT VEGETATION CANNOT BE SEEDED WITHIN 14 DAYS OR ACTIVITY CEASES FOR MORE THAN 21 DAYS OR AS DIRECTED BY THE ENGINEER.
  - b. TOPSOIL REPLACEMENT SHALL TAKE PLACE FROM MARCH 1 TO OCTOBER 31. STOCKPILE TOPSOIL AT ALL OTHER TIMES OF THE YEAR. PERMANENT AND FINAL VEGETATION AND STRUCTURAL EROSION CONTROL DEVICES SHALL BE INSTALLED WITHIN SEVEN (7) DAYS AFTER FINAL GRADING OR AS SOON AS POSSIBLE.

**NOTES:**

1. CONTRACTOR SHALL PROTECT AND NOT DESTROY THE PROPERTY CORNER MONUMENTS DURING CONSTRUCTION.
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7260 SHADELAND STATION  
INDIANAPOLIS, IN 46256-9857  
TEL 317.547.5580 FAX 317.543.0270  
www.structurpoint.com

AMERICAN  
**STRUCTUREPOINT**  
INC.

CERTIFIED BY

PREPARED FOR:  
**TIPPMANN CONSTRUCTION INC.**  
9009 COLDWATER ROAD  
FT. WAYNE, INDIANA 46825

PROJECT:  
**TRUCK DRIVE  
INTERSTATE WAREHOUSE FACILITY  
FRANKLIN, INDIANA**

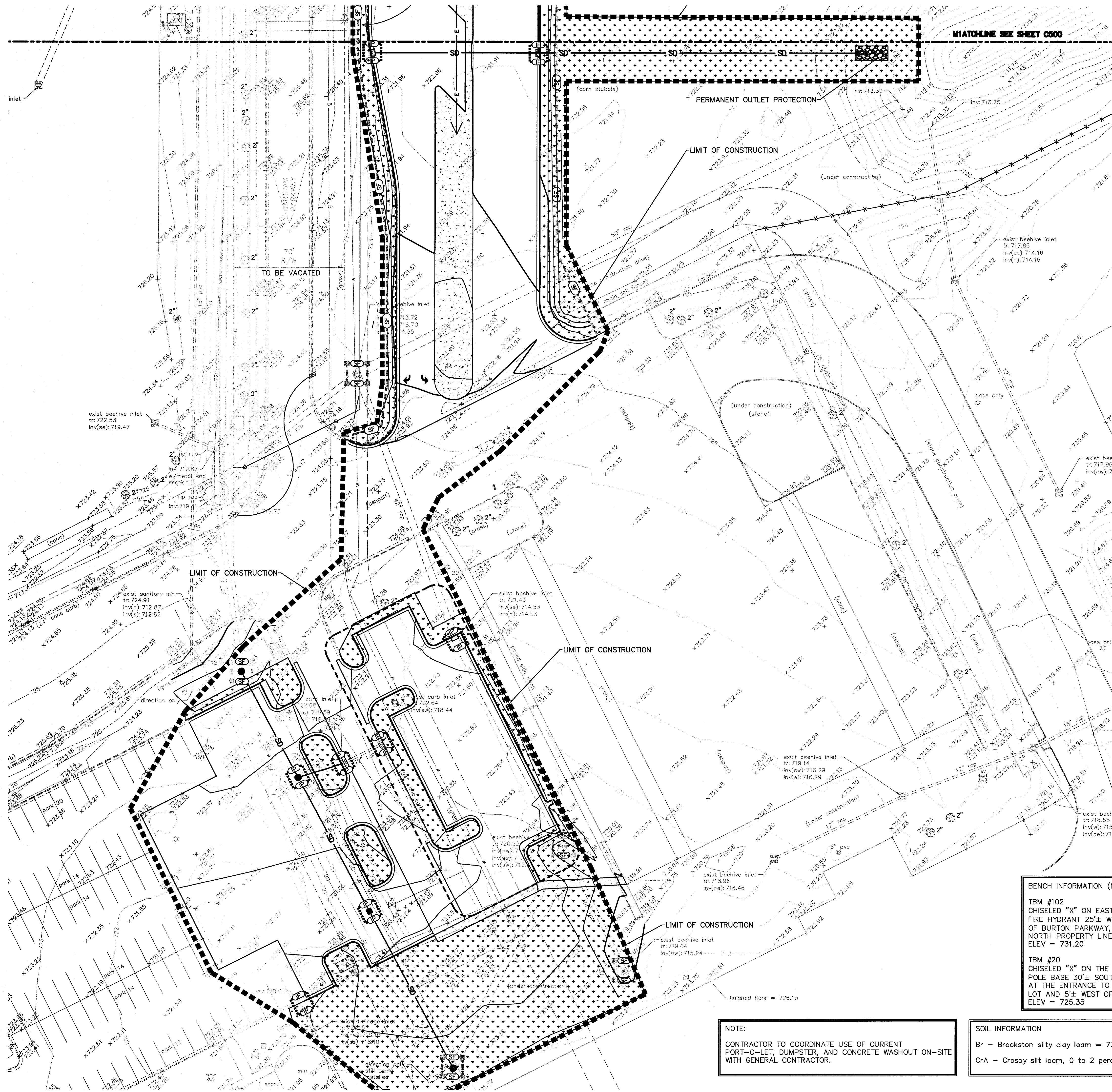
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DRAWN BY: DCR  
CHK'D BY: WAB  
JOB NO. 201200731

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SHEET NO.  
**C.500**  
OF

201200731.CE.C.500-501.ECP.DWG





- EXISTING LEGEND**
- Beehive Inlet
  - Clean Out
  - Curb Inlet
  - Drainage Inlet
  - Electric Handhole
  - Fire Hydrant
  - Fire Valve Shut Off
  - Gas Marker
  - Gas Valve
  - Ground Light
  - Guard Post
  - Hose Bib
  - Lid
  - Light Pole
  - Pine Tree
  - Sanitary MH
  - Sign
  - Sprinkler Control Valve
  - Stand Pipe
  - Telephone Pedestal
  - Transformer
  - Tree
  - Water Meter
  - Water Valve

- PROPOSED EROSION CONTROL LEGEND**
- SILT FENCE
  - CATCH ALL INLET PROTECTION
  - SILT FENCE INLET PROTECTION
  - EROSION CONTROL BLANKET
  - TEMPORARY SEEDING
  - GRAVEL CONSTRUCTION ENTRANCE
  - M.E. MATCH EXISTING
  - EP EDGE OF PAVEMENT
  - BC BOTTOM OF CURB
  - TC TOP OF CURB

**EROSION CONTROL NOTES**

- LAND ALTERATION WHICH STRIPS THE LAND OF VEGETATION, INCLUDING REGRADING, SHALL BE DONE IN A WAY THAT WILL MINIMIZE EROSION.
- CONTRACTOR SHALL COMPLY WITH ALL STATE AND LOCAL ORDINANCES THAT APPLY.
- THIS PLAN SHALL NOT BE CONSIDERED ALL INCLUSIVE AS THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT SOIL SEDIMENT FROM LEAVING THE SITE.
- ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY BY ON SITE INSPECTION.
- SEDIMENT LADEN WATER SHALL BE DETAINED BY EROSION CONTROL PRACTICES AS NEEDED TO MINIMIZE SEDIMENTATION IN THE RECEIVING STREAM. NO STORM WATER SHALL BE DISCHARGED FROM THE SITE IN A MANNER THAT CAUSES EROSION AT THE POINT OF DISCHARGE.
- WASTE AND UNUSED BUILDING MATERIALS SHALL NOT BE ALLOWED TO BE CARRIED FROM THE SITE BY STORM WATER RUNOFF. PROPER DISPOSAL OF ALL WASTE AND UNUSED BUILDING MATERIALS IS REQUIRED.
- SEDIMENT BEING TRACKED ONTO PUBLIC OR PRIVATE ROADWAYS SHALL BE MINIMIZED. CLEARING OF ACCUMULATED SEDIMENT SHALL NOT INCLUDE FLUSHING WITH WATER. CLEARED SEDIMENT SHALL BE RETURNED TO THE SITE FOR DISPOSAL.
- SOIL WHICH HAS ACCUMULATED NEXT TO EROSION CONTROL DEVICES SHALL BE COLLECTED AND RE-DISTRIBUTED ON SITE AFTER EACH RAINFALL EVENT, AND AT LEAST ONCE A WEEK.
- IF INSTALLATION OF STORM DRAINAGE SYSTEM SHOULD BE INTERRUPTED BY WEATHER OR NIGHTFALL, THE PIPE ENDS SHALL BE COVERED WITH FILTER FABRIC.
- ALL EXISTING STRUCTURES, FENCING, TREES AND ETC., WITHIN CONSTRUCTION AREA SHALL BE REMOVED AND DISPOSED OF OFF SITE. BURNING IS NOT ALLOWED ON SITE.
- THIS LOT DOES NOT LIE WITHIN ANY FLOOD HAZARD ZONE AS SCALED FROM THE FLOOD INSURANCE RATE MAP (FIRM) FOR JOHNSON COUNTY, INDIANA, COMMUNITY FRANKLIN, CITY OF JOHNSON COUNTY, COMMUNITY NUMBER 18081 C, PANEL NUMBER 0232D, DATED (AUGUST 2, 2007).
- SCHEDULE OF EARTHWORK ACTIVITIES:
  - THE DURATION OF TIME WHICH AN AREA REMAINS EXPOSED SHALL BE KEPT TO A PRACTICAL MINIMUM. THE AREA SHALL BE STABILIZED AS SOON AS POSSIBLE. TEMPORARY VEGETATION OR MULCHING SHALL BE USED TO PROTECT EXPOSED AREAS IF PERMANENT VEGETATION CANNOT BE SEEDING WITHIN 14 DAYS OR ACTIVITY CEASES FOR MORE THAN 21 DAYS OR AS DIRECTED BY THE ENGINEER.
  - TOPSOIL REPLACEMENT SHALL TAKE PLACE FROM MARCH 1 TO OCTOBER 31. STOCKPILE TOPSOIL AT ALL OTHER TIMES OF THE YEAR. PERMANENT AND FINAL VEGETATION AND STRUCTURAL EROSION CONTROL DEVICES SHALL BE INSTALLED WITHIN SEVEN (7) DAYS AFTER FINAL GRADING OR AS SOON AS POSSIBLE.

**NOTES:**

- CONTRACTOR SHALL PROTECT AND NOT DESTROY THE PROPERTY CORNER MONUMENTS DURING CONSTRUCTION.
- CONTRACTOR TO VERIFY LOCATION, SIZE AND DEPTH OF EXISTING UTILITIES PRIOR TO COMMENCING ANY CONSTRUCTION. CONTACT ENGINEER IF VARIATION EXISTS.

**CAUTION !!**

THE LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED UPON ABOVE GROUND EVIDENCE (including, but not limited to, manholes, inlets, valves, and marks made upon the ground by others) AND ARE SPECULATIVE IN NATURE. THERE MAY ALSO BE OTHER EXISTING UNDERGROUND UTILITIES FOR WHICH THERE IS NO ABOVE GROUND EVIDENCE OR FOR WHICH NO ABOVE GROUND EVIDENCE WAS OBSERVED. THE EXACT LOCATIONS OF SAID EXISTING UNDERGROUND UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY AND ALL CONSTRUCTION.

1-800-382-5544  
CALL TOLL FREE  
INDIANA UNDERGROUND

**BENCH INFORMATION (NAVD 88)**

TBM #102  
CHISELED "X" ON EAST NORTHEAST BOLT OF FIRE HYDRANT 25'± WEST OF THE CENTERLINE OF BURTON PARKWAY, 800'± NORTH OF SITE NORTH PROPERTY LINE.  
ELEV = 731.20

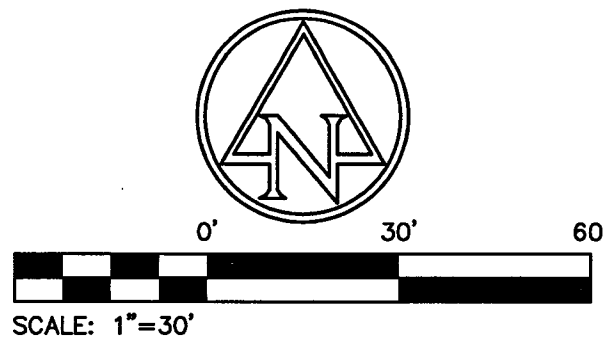
TBM #20  
CHISELED "X" ON THE NORTH SIDE OF LIGHT POLE BASE 30'± SOUTH OF BACK OF CURB AT THE ENTRANCE TO A TRAILER PARKING LOT AND 5'± WEST OF PAVED SIDE DITCH.  
ELEV = 725.35

**NOTE:**

CONTRACTOR TO COORDINATE USE OF CURRENT PORT-O-LET, DUMPSTER, AND CONCRETE WASHOUT ON-SITE WITH GENERAL CONTRACTOR.

**SOIL INFORMATION**

Br - Brookston silty clay loam = 73.4% ±  
CrA - Crosby silt loam, 0 to 2 percent slopes = 26.5% ±



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AMERICAN  
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INC.

**EROSION CONTROL PLAN**

PREPARED FOR:  
**TIPPMANN CONSTRUCTION INC.**  
9009 COLDWATER ROAD  
FT. WAYNE, INDIANA 46825

PROJECT:  
**TRUCK DRIVE  
INTERSTATE WAREHOUSE FACILITY  
FRANKLIN, INDIANA**

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| DRAWN BY: | DCR       |
| CHK'D BY: | WAB       |
| JOB NO.   | 201200731 |

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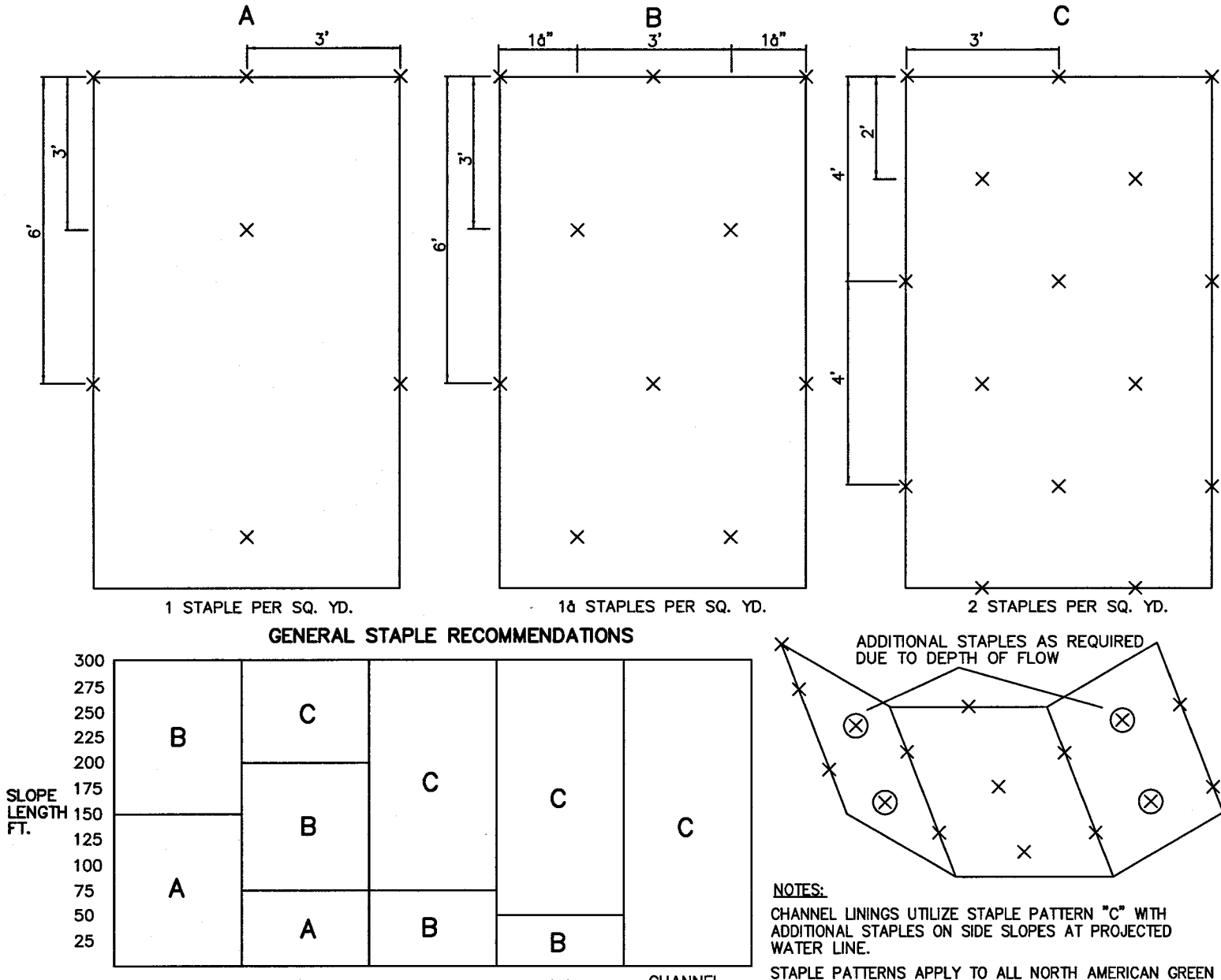
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OF



EROSION CONTROL NOTES:

- CONSTRUCTION ACTIVITY SHALL CONSIST OF UTILITIES, PARKING LOT AND DRIVES.
- PRELIMINARY CONSTRUCTION SCHEDULE: EARTHWORK SHALL BEGIN IN THE SUMMER (2012). INSTALLATION OF STORM DRAINAGE STRUCTURES, SANITARY SEWERS AND WATERMAINS SHALL BEGIN IN THE SUMMER OF (2012). COMPLETION OF THE PROJECT IS ANTICIPATED IN (2014). THIS SCHEDULE IS SUBJECT TO CHANGE.
- LAND ALTERATION WHICH STRIPS THE LAND OF VEGETATION, INCLUDING REGRADING, SHALL BE DONE IN A WAY THAT WILL MINIMIZE EROSION.
- CONTRACTOR SHALL COMPLY WITH ALL STATE AND LOCAL ORDINANCES THAT APPLY.
- THIS PLAN SHALL NOT BE CONSIDERED ALL INCLUSIVE AS THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT SOIL SEDIMENT FROM LEAVING THE SITE.
- ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF DEEMED NECESSARY BY ON SITE INSPECTION.
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- SOIL WHICH HAS ACCUMULATED NEXT TO EROSION CONTROL DEVICES SHALL BE COLLECTED AND RE-DISTRIBUTED ON SITE AFTER EACH RAINFALL EVENT, AND AT LEAST ONCE A WEEK.
- IF INSTALLATION OF STORM DRAINAGE SYSTEM SHOULD BE INTERRUPTED BY WEATHER OR NIGHTFALL, THE PIPE ENDS SHALL BE COVERED WITH FILTER FABRIC.
- EXISTING VEGETATION SHALL BE PRESERVED IN AREAS NOT DISTURBED BY CONSTRUCTION ACTIVITY.
- THERE ARE NO BORROW AREAS OTHER THAN THOSE DESIGNATED.
- ALL APPLICABLE EROSION CONTROL MEASURES SHALL BE PLACED BEFORE ANY LAND DISTURBING ACTIVITIES.
- SCHEDULE OF EROSION CONTROL ACTIVITIES:

- INSTALL INLET PROTECTION AROUND INLETS IMMEDIATELY UPON COMPLETION OF THE STRUCTURE. REMOVE INLET PROTECTION FOR PAVING OPERATION. REPLACEMENT INLET PROTECTION AFTER PAVING IS COMPLETE. INLET PROTECTION SHALL REMAIN IN PLACE UNTIL VEGETATION IS ESTABLISHED ON SEEDED AREAS BEHIND THE CURB.
  - THE DURATION OF TIME WHICH AN AREA REMAINS EXPOSED SHALL BE KEPT TO A PRACTICAL MINIMUM. THE AREA SHALL BE STABILIZED AS SOON AS POSSIBLE. TEMPORARY VEGETATION OR MULCHING SHALL BE USED TO PROTECT EXPOSED AREAS IF PERMANENT VEGETATION CANNOT BE SEED WITHIN 14 DAYS OR ACTIVITY CEASES FOR MORE THAN 21 DAYS OR AS DIRECTED BY THE ENGINEER.
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- CONTRACTOR SHALL BE RESPONSIBLE FOR FILING A NOTICE OF INTENT WITH THE INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT.
  - APPLY FERTILIZER AT A RATE ADEQUATE TO PROVIDE 1 LB. OF ACTUAL NITROGEN PER 1,000 SQUARE FEET. USE COMMERCIAL-GRADE COMPLETE FERTILIZER OF NEUTRAL CHARACTER CONSISTING OF FAST AND SLOW RELEASE NITROGEN, 50 PERCENT DERIVED FROM NATURAL ORGANIC SOURCES OF UREA-FORM, PHOSPHOROUS, AND IN FOLLOWING COMPOSITION:
    - FERTILIZER FOR LAWNS: PROVIDE A FAST RELEASE FERTILIZER WITH A COMPOSITION OF 1 LB PER 1,000 SQ. FT. OF ACTUAL NITROGEN, 4 PERCENT PHOSPHOROUS, AND 2 PERCENT POTASSIUM BY WEIGHT.
    - SLOW-RELEASE FERTILIZER FOR TREES AND SHRUBS: GRANULAR FERTILIZER CONSISTING OF 50 PERCENT WATER-INSOLUBLE NITROGEN, PHOSPHOROUS AND POTASSIUM MADE UP OF A COMPOSITION BY WEIGHT OF 5 PERCENT.
  - ADD LIME TO TOPSOIL TO OBTAIN A pH RANGE OF 6.0 TO 7.0. LIME SHALL BE ASTM C 802, CLASS A, AGRICULTURAL LIMESTONE CONTAINING A MINIMUM OF 90 PERCENT CALCIUM CARBONATE EQUIVALENT, WITH A MINIMUM 99 PERCENT PASSING A NO. 8 (2.36 mm) SIEVE AND A MINIMUM 75 PERCENT PASSING A NO. 50 (250 MICROMETER) SIEVE.
- CONSTRUCTION TRAFFIC SHALL ENTER THE SITE AT DRIVES WHICH ARE CURRENTLY PAVED.
  - CONTRACTOR TO SEED ALL DISTURBED AREAS. FINISH GRADE TO BE SEED AND STRAW.
  - CONTRACTOR SHALL MONITOR TRUCK WASHING AND SEDIMENT TRACKING ONTO STREETS. STREET CLEANING WILL BE REQUIRED BY OWNER, MUNICIPALITY OR THE JOHNSON COUNTY SOIL AND WATER CONSERVATION DISTRICT IF ROADWAYS HAVE SOIL FROM THE SITE TRACKED ONTO THEM.



EROSION CONTROL MAT INSTALLATION GUIDE DETAIL

EROSION CONTROL BLANKET (SURFACE APPLIED) INSTALLATION REQUIREMENTS

- SELECT THE TYPE AND WEIGHT OF EROSION CONTROL BLANKET TO FIT THE SITE CONDITIONS (e.g., SLOPE, CHANNEL, FLOW VELOCITY).
- INSTALL ANY PRACTICES NEEDED TO CONTROL EROSION AND RUNOFF, SUCH AS TEMPORARY OR PERMANENT DIVERSION, SEDIMENT BASIN OR TRAP, SILT FENCE.
- GRADE THE SITE AS SPECIFIED IN THE CONSTRUCTION PLAN.
- ADD TOPSOIL WHERE APPROPRIATE.
- PREPARE THE SEEDBED, FERTILIZE (AND LIME, IF NEEDED), AND SEED THE AREA IMMEDIATELY AFTER GRADING.
- FOLLOWING MANUFACTURER'S DIRECTIONS, LAY THE BLANKETS ON THE SEEDBED AREA SUCH THAT THEY ARE IN CONTINUOUS CONTACT WITH THE SOIL AND THAT THE UPSLOPE OR UPSTREAM ONES OVERLAP THE LOWER ONES BY AT LEAST 8 in.
- TUCK THE UPPERMOST EDGE OF THE UPPER BLANKETS INTO A CHECK SLOT (SILT TRENCH), BACKFILL WITH SOIL, AND TAMP DOWN.
- ANCHOR THE BLANKETS AS SPECIFIED BY THE MANUFACTURER. THIS TYPICALLY INVOLVES DRIVING 6-8 in. METAL STAPLES INTO THE GROUND IN A PATTERN DETERMINED BY THE SITE CONDITIONS.

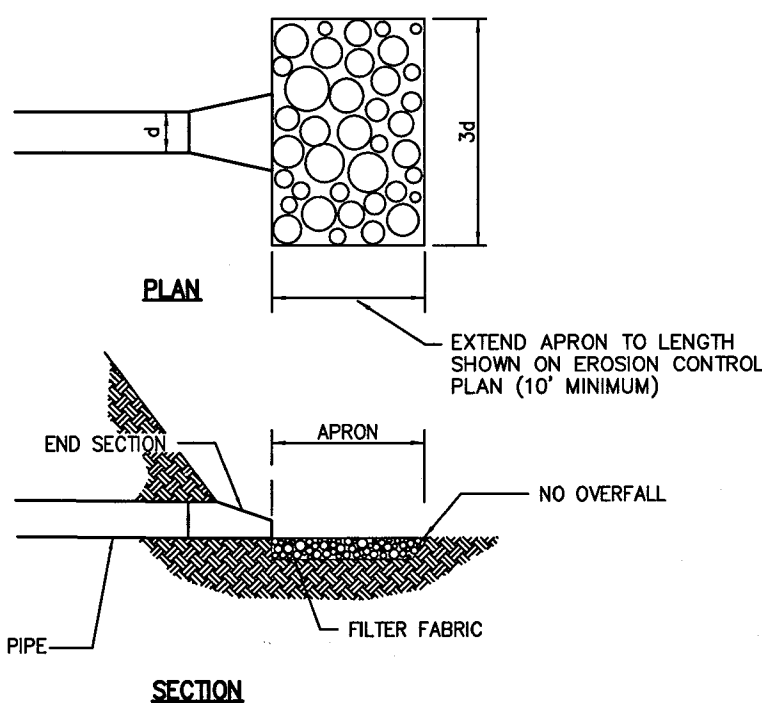
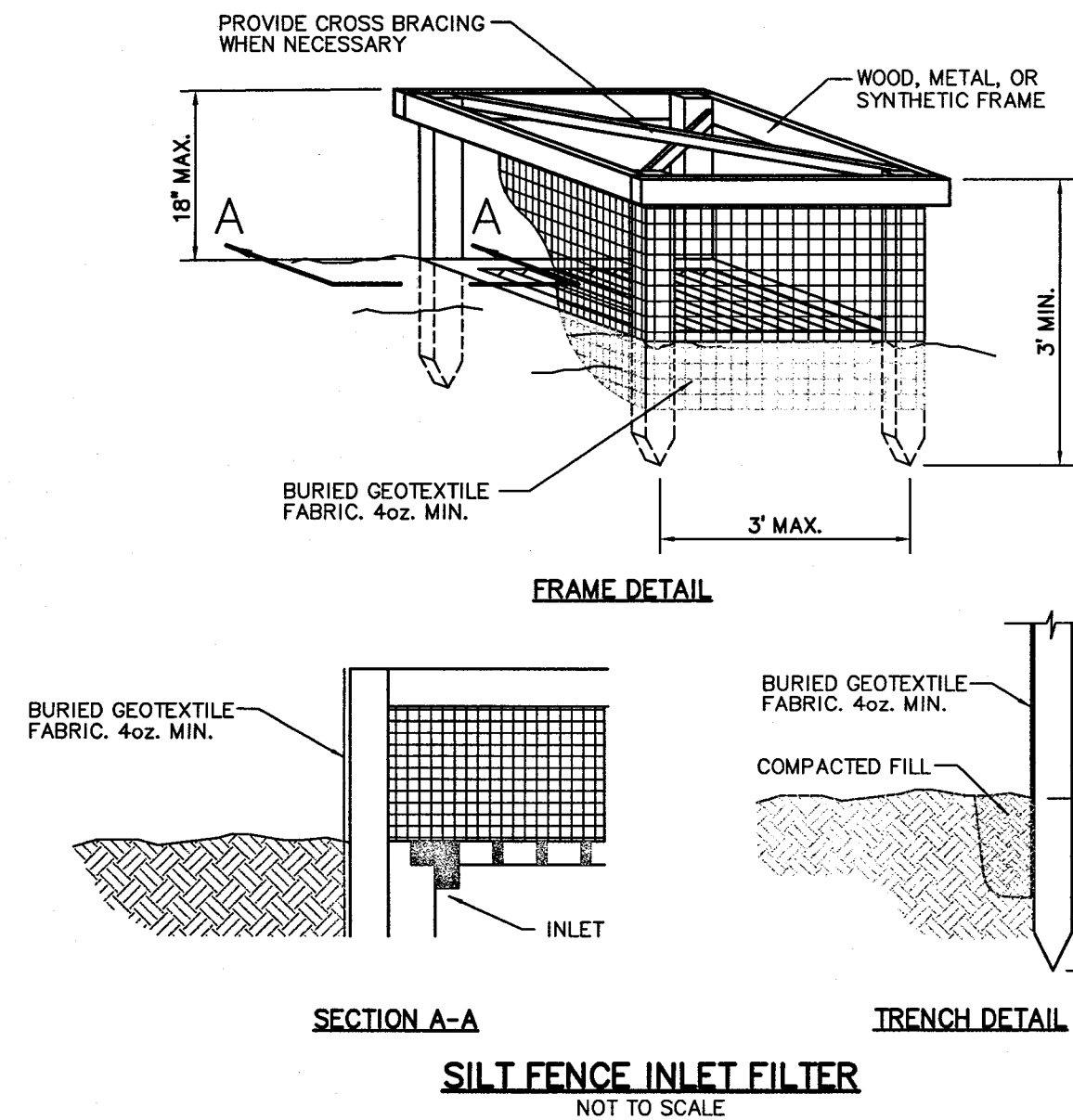
EROSION CONTROL BLANKET (SURFACE APPLIED) MAINTENANCE REQUIREMENTS

- 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.

SEASONAL SOIL PROTECTION CHART

| STABILIZATION PRACTICE | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | OCT. | NOV. | DEC. |
|------------------------|------|------|------|------|-----|------|------|------|-------|------|------|------|
| PERMANENT SEEDING      |      | A    | A    | A    | A   | A    | A    | A    | A     | A    | A    | A    |
| DORMANT SEEDING        | B    | B    | B    | B    | B   | B    | B    | B    | B     | B    | B    | B    |
| TEMPORARY SEEDING      | C    | C    | C    | C    | C   | C    | C    | C    | C     | C    | C    | C    |

A = KENTUCKY BLUEGRASS 100 LBS./ACRE; CREEPING RED FESCUE 100 LBS./ACRE; HYDROSEEDED  
B = KENTUCKY BLUEGRASS 120 LBS./ACRE; CREEPING RED FESCUE 120 LBS./ACRE; HYDROSEEDED  
C = SPRING OATS 3 BUSHELS/ACRE  
D = WHEAT OR RYE 2 BUSHELS/ACRE  
E = ANNUAL RYE GRASS 40 LBS./ACRE (1 LB/1000 SQ. FT.)  
\*/1/\* = IRRIGATION NEEDED DURING JUNE, JULY, AUGUST AND/OR SEPTEMBER



- NOTES:
- FOUNDATION SHALL BE GEOTEXTILE FABRIC FOR STABILIZATION AND WELL-GRADED FILTRATION OR GRAVEL FILTER LAYER AT LEAST 6 in. THICK
  - STONE SHALL BE HARD, ANGULAR, AND HIGHLY WEATHER-RESISTANT RIPRAP STONE AT A THICKNESS OF 12 in. MINIMUM OR TWO TIMES THE STONE DIAMETER, WHICHEVER IS GREATER.
  - MAKE SURE THE TOP OF THE RIPRAP APRON IS LEVEL WITH OR SLIGHTLY BELOW THE RECEIVING STREAM. (RIPRAP SHOULD NOT RESTRICT THE CHANNEL OR PRODUCE AN OVERFALL).
  - REFER TO SHEET C4.9 FOR DETAIL OF BANK ARMORMENT AT OUTLET TO LEGAL DRAIN.

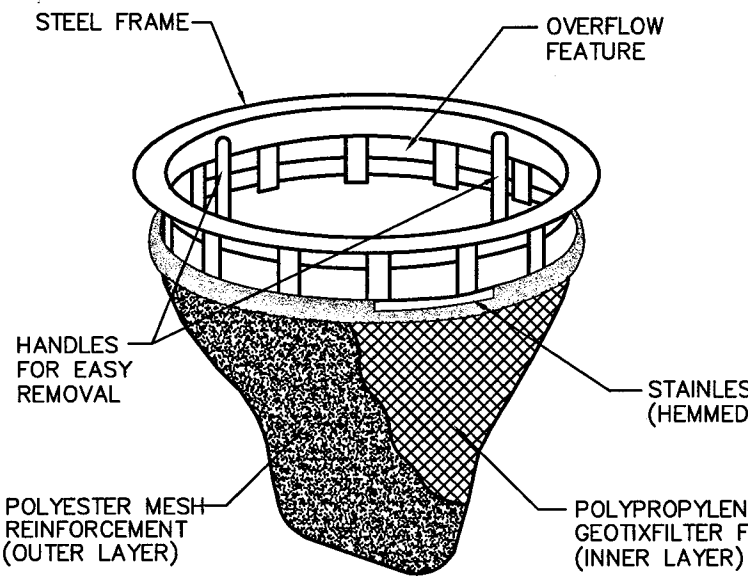
RIPRAP MAINTENANCE REQUIREMENTS

- INSPECT PERIODICALLY FOR DISPLACED ROCK MATERIAL, SLUMPING, AND EROSION AT EDGES, ESPECIALLY DOWNSTREAM OR DOWNSLOPE.

OUTLET PROTECTION DETAIL

CATCH-ALL  
STORMWATER INLET PROTECTOR

THE CATCH-ALL IS AN INLET AND CATCH BASIN FILTRATION DEVICE DEVELOPED TO PREVENT SEDIMENTATION. CATCH-ALLS ARE AVAILABLE TO FIT VIRTUALLY ANY DRAINAGE STRUCTURE CASTING, AND COULD REPRESENT A BEST MANAGEMENT PRACTICE FOR YOUR EPA PHASE 2 PROGRAM.



TEMPORARY INSTALLATION: CONSTRUCTION PROJECTS ON HIGHWAYS AND NEW HOUSING DEVELOPMENTS CAN RESULT IN SUBSTANTIAL AMOUNTS OF SEDIMENT DURING A RAINSTORM. TRADITIONAL PRACTICE, USING SILT SCREENS, HAY BALES, AND FILTER FABRIC UNDER STORM GRATES PROVIDE ONLY LIMITED PROTECTION. CATCH-ALL WILL HOLD 2 CUBIC FEET OF GRAVEL, SILT, AND DEBRIS, AND CAN BE MOVED FROM SITE-TO-SITE.

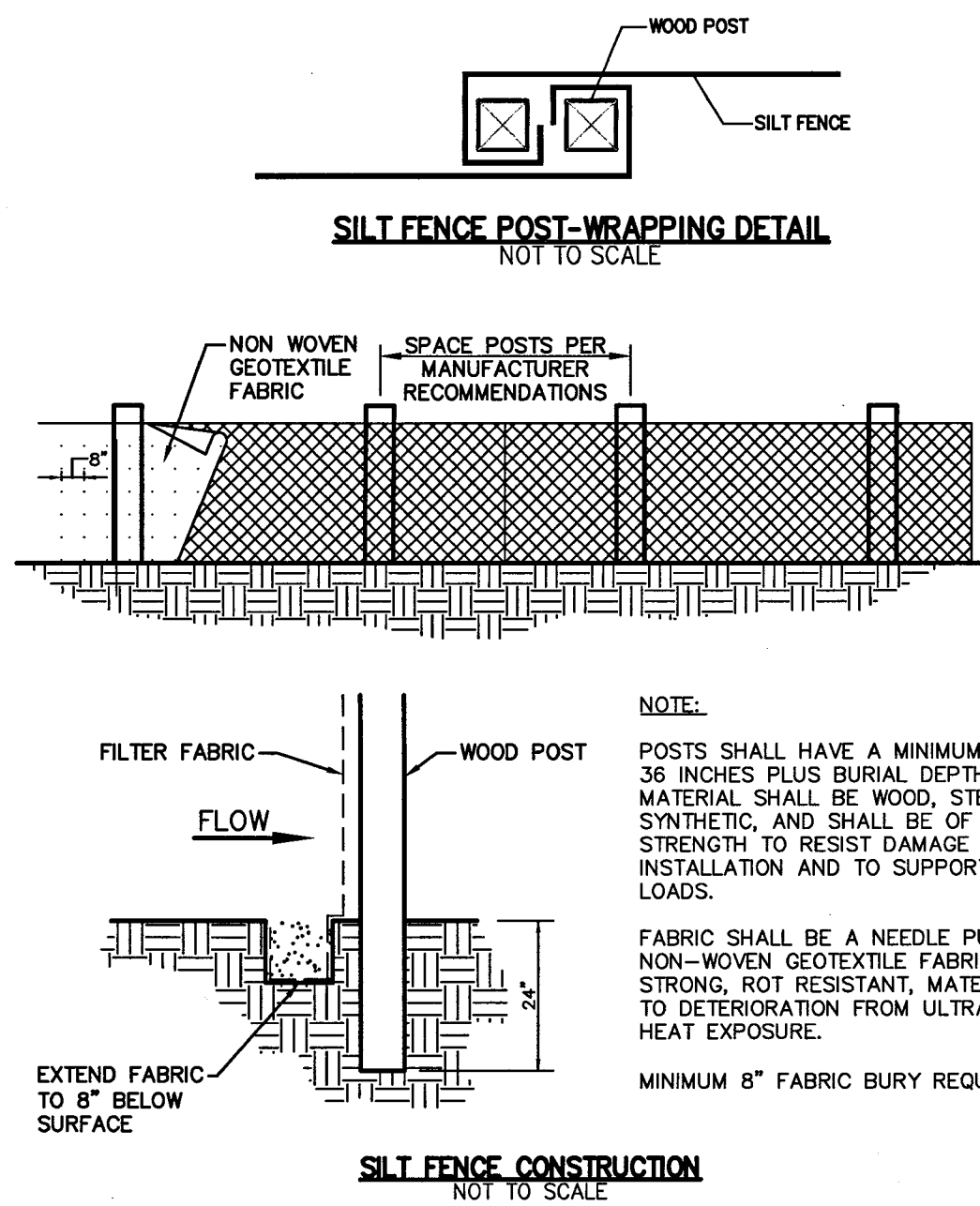
CATCH-ALL HAS BEEN APPROVED FOR USE ON MANY HOT ROAD CONSTRUCTION PROJECTS.

PERMANENT INSTALLATION:

COMMERCIAL AND INDUSTRIAL SITES WITH IMPERVIOUS SURFACES, SUCH AS ROADS AND PARKING LOTS, PRODUCE STORMWATER RUN-OFF THAT MAY INCLUDE PAPER REFUSE, CIGARETTES, SEDIMENT, AND EVEN SOME FLOATING OILS. THESE CONTAMINANTS CAN QUICKLY ADD UP TO A SIGNIFICANT AMOUNT IN CATCH BASINS OR MUNICIPAL SYSTEMS. WITHOUT PROPER TREATMENT, STORMWATER LADEN WITH SUCH MATERIALS CAN POLLUTE STREAMS, LAKES, AND NEAR-SHORE WATERS. THE UNIQUE DESIGN OF THE REUSABLE STEEL FRAME OF CATCH-ALL PROVIDES AN OVERFLOW CAPACITY GREATER THAN THE OPEN AREA OF THE GRATE IT FITS UNDER. THIS MEANS LITTLE CHANCE FOR WATER TO BACK UP OR POOL, EVEN BETWEEN SCHEDULED CLEANINGS. THE DURABLE, REINFORCED SEDIMENT BAG CAN BE CLEANED NUMEROUS TIMES AND IS EASILY REPLACED IN THE FIELD. THE ENTIRE UNIT IS INSTALLED BELOW GRADE AND NO REBAR, CLIPS, OR STRAPS ARE EXPOSED ON THE SURFACE. WITH A TOP FLANGE LESS THAN 1/8" THICK, THE ADDITIONAL HEIGHT EXPOSURE OF THE GRATE IS MINIMAL. CATCH-ALL CAN BE AN IMPORTANT SUPPLEMENT FOR CATCH BASINS AND UNDERGROUND STORMWATER STORAGE SYSTEMS THAT ARE USUALLY DIFFICULT TO ACCESS FOR CLEANING. CATCH-ALLS ARE AVAILABLE TO FIT VIRTUALLY ANY DRAINAGE STRUCTURE CASTING.

D2 LAND & WATER RESOURCE INC.

P.O. BOX 20792  
INDIANAPOLIS, IN 46220  
PHONE (317) 917-2180  
FAX (317) 917-2181  
TOLL FREE (800) 597-2180  
www.d2lwr.com



SILT FENCE INSTALLATION REQUIREMENTS

SITE PREPARATION:

- PLAN FOR THE FENCE TO BE AT LEAST 10 ft. FROM THE TOE OF THE SLOPE TO PROVIDE A SEDIMENT STORAGE AREA.
- PROVIDE ACCESS TO THE AREA IF SEDIMENT CLEANOUT WILL BE NEEDED.

OUTLET CONSTRUCTION (OPTIONAL):

- DETERMINE THE APPROPRIATE LOCATION FOR A REINFORCED, STABILIZED BYPASS FLOW OUTLET (UNLESS THE FENCE IS DESIGNED TO RETAIN ALL RUNOFF FROM A 2 YEAR FREQUENCY, 24 HR DURATION STORM EVENT)
- SET THE OUTLET ELEVATION SO THAT WATER DEPTH CANNOT EXCEED 1 1/2 ft. AT THE LOWEST POINT ALONG THE FENCE LINE.
- LOCATE THE OUTLET WEIR SUPPORT POSTS NO MORE THAN 4 ft. APART, AND INSTALL A HORIZONTAL BRACE BETWEEN THEM. (WEIR HEIGHT SHOULD BE NO MORE THAN 1 ft. DEEP, 5 ft. WIDE, AND 3 ft. LONG ON LEVEL GRADE.)
- EXCAVATE THE FOUNDATION FOR THE OUTLET SPLASH PAD TO MINIMUMS OF 1 ft. AND WATER DEPTH NO MORE THAN 1 1/2 ft. ANYWHERE ELSE ALONG THE FENCE.)
- FILL THE EXCAVATED FOUNDATION WITH INDOT CA NO. 1 STONE, BEING CAREFUL THAT THE FINISHED SURFACE BLENDS WITH THE SURROUNDING AREA, ALLOWING NO OVERFILL.
- STABILIZE THE AREA AROUND THE PAD.

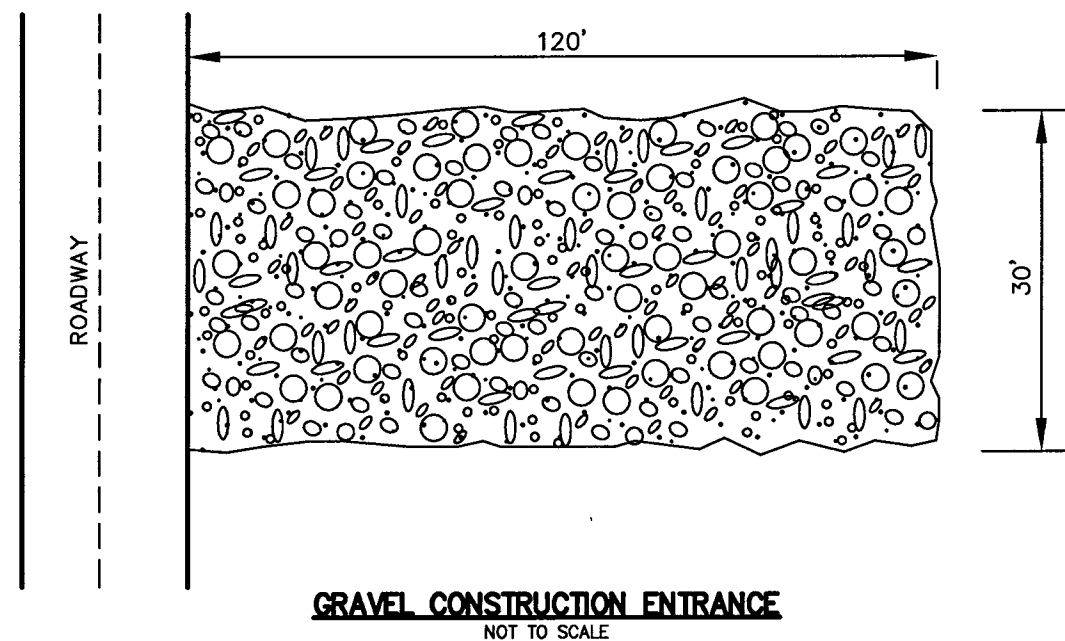
FENCE CONSTRUCTION:

- ALONG THE ENTIRE INTENDED FENCE LINE, DIG AN 8 in. DEEP FLAT-BOTTOMED OR V-SHAPED TRENCH.
- ON THE DOWNSIDE SLOPE OF THE TRENCH, DRIVE THE WOOD OR STEEL SUPPORT POSTS AT LEAST 1 ft. INTO THE GROUND (THE DEEPER THE BETTER), SPACING THEM NO MORE THAN 8 ft. APART IF THE FENCE IS SUPPORTED BY WIRE OR 6 ft. IF EXTRA-STRENGTH FABRIC IS USED WITHOUT SUPPORT WIRE. ADJUST SPACING, IF NECESSARY, TO ENSURE THAT POSTS ARE SET AT THE LOW POINTS ALONG THE FENCE LINE. (NOTE: IF THE FENCE HAS PRE-ATTACHED POSTS OR STAKES, DRIVE THEM DEEP ENOUGH SO THE FABRIC IS SATISFACTORILY IN THE TRENCH AS DESCRIBED IN STEP 6).
- FASTEN SUPPORT WIRE FENCE (IF THE MANUFACTURER RECOMMENDS ITS USE) TO THE UPSLOPE SIDE OF THE POSTS, EXTENDING IT 8 in. INTO THE TRENCH.
- RUN A CONTINUOUS LENGTH OF GEOTEXTILE FABRIC IN FRONT (UPSLOPE) OF THE SUPPORT WIRE AND POSTS, AVOIDING JOINTS, PARTICULARLY AT LOW POINTS IN THE FENCE LINE.
- IF A JOINT IS NECESSARY, NAIL THE OVERLAP TO THE NEAREST POST WITH LATH.
- PLACE THE BOTTOM 1 ft. OF FABRIC IN THE 8 in. DEEP TRENCH, EXTENDING THE REMAINING 4 in. TOWARD THE UPSLOPE SIDE.
- BACKFILL THE TRENCH WITH COMPACTED EARTH OR GRAVEL.

NOTE: IF USING A PRE-PACKED COMMERCIAL SILT FENCE RATHER THAN CONSTRUCTING ONE, FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS.

SILT FENCE MAINTENANCE REQUIREMENTS:

- INSPECT THE SILT FENCE PERIODICALLY AND AFTER EACH STORM EVENT.
- IF FABRIC TEARS, STARTS TO DECOMPOSE, OR IN ANY WAY BECOMES INEFFECTIVE, REPLACE THE AFFECTED PORTION IMMEDIATELY.
- REMOVE DEPOSITED SEDIMENT WHEN IT REACHES 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.



TEMPORARY GRAVEL CONSTRUCTION ENTRANCE INSTALLATION REQUIREMENTS:

- AVOID LOCATING ON STEEP SLOPES OR AT CURVES IN PUBLIC ROADS.
- REMOVE ALL VEGETATION AND OTHER OBJECTIONABLE MATERIAL FROM THE FOUNDATION AREA, AND GRADE AND CROWN FOR POSITIVE DRAINAGE.
- IF SLOPE TOWARDS THE ROAD EXCEEDS 2%, CONSTRUCT A 6-8 in. HIGH WATER BAR (CRIDGE) WITH 5:1 SIDE SLOPES ACROSS THE FOUNDATION AREA ABOUT 15 ft. FROM THE ENTRANCE TO DIVERT RUNOFF AWAY FROM THE ROAD.
- INSTALL PIPE UNDER THE PAD IF NEEDED TO MAINTAIN PROPER PUBLIC ROAD DRAINAGE. IF WET CONDITIONS ARE ANTICIPATED, PLACE GEOTEXTILE FABRIC ON THE GRADED FOUNDATION TO IMPROVE STABILITY.
- PLACE STONE TO DIMENSIONS AS GRADE SHOWN IN THE EROSION/SEDIMENT CONTROL PLAN, LEAVING THE SURFACE SMOOTH AND SLOPED FOR DRAINAGE.
- DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE STONE PAD TO A SEDIMENT TRAP OR BASIN.

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE MAINTENANCE REQUIREMENTS:

- INSPECT ENTRANCE PAD AND SEDIMENT AREA WEEKLY AND AFTER STORM EVENTS OF HEAVY USE.
- RESHAPE PAD AS NEEDED FOR DRAINAGE AND RUNOFF CONTROL.
- TOP DRESS WITH CLEAN STONE AS NEEDED.
- IMMEDIATELY REMOVE MUD AND SEDIMENT TRACKED OR WASHED ONTO PUBLIC ROADS BY BRUSHING OR SWEEPING. FLUSHING SHOULD ONLY BE USED IF THE WATER IS CONVEYED INTO A SEDIMENT ROCK TRAP OR BASIN.
- REPAIR ANY BROKEN PAVEMENT IMMEDIATELY.

EROSION CONTROL DETAILS

PREPARED FOR:

TIPPMANN CONSTRUCTION INC.  
9009 COLDWATER ROAD  
FT. WAYNE, INDIANA 46825

PROJECT:

TRUCK DRIVE  
INTERSTATE WAREHOUSE FACILITY  
FRANKLIN, INDIANA

DATE: \_\_\_\_\_  
DRAWN BY: DCR  
CHK'D BY: WAB  
JOB NO. 201200731

| REVISIONS |
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|           |
|           |
|           |

SHEET NO.  
**C.502**  
OF



**SITE NAME:**

The area scheduled for construction is known as "Franklin Tech Park Entrance" (hereinafter referred to as the "Project").

**PROJECT LOCATION:**

The property is located near the southeast corner of Bartram Drive and Bartram Parkway in Franklin, Indiana, at a latitude of 39°28'23.18" N and a longitude of 86°02'24.14" W.

**OWNER'S INFORMATION:**

Name: Tippmann Construction Inc.  
Address: 9009 Coldwater Road, Ft. Wayne, Indiana 46825  
Representative: Title:  
Telephone:  
Facsimile:

**OPERATOR'S INFORMATION:**

Name: Tippmann Construction Inc.  
Address: 9009 Coldwater Road, Ft. Wayne, Indiana 46825  
Representative: Title:  
Telephone:  
Facsimile:

**NOTICE OF INTENT:**

All parties defined as owners or operators must submit a Notice of Intent (NOI) at least 48 hours prior to commencement of on-site construction activities. Submittal of late NOI's is not prohibited; however, authorization under the construction general permit is only for discharges that occur after permit coverage is granted. Unpermitted discharges may be subject to enforcement actions by the EPA. For the purposes of this permit, an operator is defined as any party meeting either of the following requirements:

- a. The party has operational control over construction plans and specifications, including the ability to make modifications to those plans and specifications.
- b. The party has day-to-day operational control of those activities at a project that are necessary to ensure compliance with a storm water pollution prevention plan for the site or other permit conditions.

**A2 11" x 17" PLAT:**

Refer to Site Plan

**A3 PROJECT NARRATIVE:**

This project consists of the construction of the development of approximately 3 acres in Franklin, Indiana. The development includes the construction of a truck drive and additional parking spaces including infrastructure, not limited to the following activities: removal and stockpiling of topsoil and installation of storm sewers, and other utilities. The site shall be paved and landscaped.

The drainage plans for the site include a storm sewer designed for conveyance of 10-year flood and discharges to the existing detention pond east of the site.

**A4 VICINITY MAP:**

Refer to Title Sheet

**A5 LEGAL DESCRIPTION OF PROJECT SITE:**

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**WARRANTY DEC:**

**A6 LOCATION OF ALL LOTS AND PROPOSED SITE IMPROVEMENTS:**

There are no individual lots on the property. The Site Plan shows the proposed site improvements.

**A7 HYDROLOGIC UNIT CODE (HUC):**

05120204090070

**A8 STATE AND FEDERAL WATER QUALITY PERMITS:**

None are required for this project.

**A9 SPECIFIC POINT WHERE STORMWATER DISCHARGE WILL LEAVE THE SITE:**

Stormwater drainage for the truck drive will be conveyed by a proposed storm sewer to an existing detention pond. Stormwater drainage for the parking lot will be conveyed by a proposed storm sewer to an existing storm sewer system which discharges to the existing detention pond.

**A10 LOCATION AND NAME OF ALL WETLANDS, LAKES, AND WATERCOURSES ON AND ADJACENT TO THE SITE:**

None are adjacent to the site.

**A11 IDENTIFICATION OF ALL RECEIVING WATERS:**

The ultimate receiving water is Youngs Creek - Amity Ditch.

**A12 IDENTIFICATION OF ALL POTENTIAL DISCHARGES TO GROUND WATER:**

There are no locations on site where surface water may be discharged into ground water.

**A13 100-YEAR FLOODPLAINS, FLOODWAYS, AND FLOODWAY FRINGES:**

The site does lie within any floodplain, floodway, or floodway fringes.

**A14 PRE-CONSTRUCTION AND POST-CONSTRUCTION ESTIMATE OF PEAK DISCHARGE:**

Pre-construction 10-year discharge: 9.03 cfs  
Post-construction 10-year discharge: 11.48 cfs

**A15 ADJACENT LAND USE:**

North: Residential  
East: Agricultural  
South: Industrial  
West: Industrial

**A16 LOCATIONS AND APPROXIMATE BOUNDARIES OF ALL DISTURBED AREAS:**

Refer to the Erosion Control Plan for the construction limits

**A17 IDENTIFICATION OF EXISTING VEGETATIVE COVER:**

At this time, grass cover exists.

**A18 SOILS MAP INCLUDING SOIL DESCRIPTION AND LIMITATIONS:**

Soil information from the county Soil Survey is on the Erosion Control Plan. This site has Brookston silty clay loam and Crosby silt loam soils.

The suitability of the soils for dwellings without basements is listed in Table B and range from not limited to very limited. The on-site soil will be treated as recommended by the geotechnical engineer if the conditions are unsuitable for the pavement system. Remedial treatments may include, but are not limited to, removal of unsuitable soil and backfilling with engineered material, installation of a geofabric within or under the pavement system, or treatment of the subgrade with lime.

The suitability of the soils for pavement (local roads and streets) is listed in Table B and range from somewhat limited to very limited. The on-site soil will be treated as recommended by the geotechnical engineer if the conditions are unsuitable for the pavement system. Remedial treatments may include, but are not limited to, removal of unsuitable soil and backfilling with engineered material, installation of a geofabric within or under the pavement system, or treatment of the subgrade with lime.

Other suitability or limitations of the soil for the other classifications of use listed in the table are not applicable to this project.

**A19 LOCATIONS, SIZE, AND DIMENSIONS FOR PROPOSED STORMWATER SYSTEMS:**

Locations of stormwater systems: See Grading Plan  
Size of storm sewer: See Grading Plan  
Details of storm inlets and manholes: See Site Details

**A20 PLANS FOR ANY OFF-SITE CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS PROJECT:**

Off site construction activities shall consist of connections to existing utility services.

**A21 LOCATIONS OF PROPOSED SOIL STOCKPILES AND/OR BORROW/DISPOSAL:**

Excess soil shall be immediately stockpiled and seeded and/or removed from the construction site in accordance with all applicable laws.

**A22 EXISTING SITE TOPOGRAPHY:**

Refer to the Existing Topography Plan Sheet.

**A23 PROPOSED FINAL SITE TOPOGRAPHY:**

Refer to the Grading Plan.

**B1 DESCRIPTION OF POTENTIAL POLLUTANT SOURCES ASSOCIATED WITH CONSTRUCTION ACTIVITIES:**

The following potential pollutant sources may be associated with construction activities on site:

1. Material storage areas (more specifically described below).
2. Construction waste material.
3. Fuel storage areas and fueling stations.
4. Exposed soils.
5. Leaking vehicles and equipment.
6. Sanitary waste from temporary toilet facilities.
7. Litter.
8. Windblown dust.
9. Soil tracking off site from construction equipment.

The following construction materials will be stored or stored on site at various points during development of the site:

1. Structural fill.
2. Road Base.
3. Plastic drainage pipe.
4. Water main pipe and appurtenances.
5. Concrete drainage pipe.
6. Concrete culverts.
7. Precast concrete manholes.
8. Rock rip-rap.

**B2 SEQUENCE DESCRIBING STORMWATER QUALITY MEASURE IMPLEMENTATION RELATIVE TO LAND-DISTURBING ACTIVITIES:**

1. Install construction entrance.
2. Utilize the gravel construction entrance for installation of the perimeter silt fence. Add stone if needed. Post the NOI at the entrance. Add protection measures to existing inlets.
3. Install staging area, fueling station, material storage area and concrete truck washout.
4. Strip the top soil and grade.
5. Complete the cut and fills on the site. Final grade and seed the pond slopes. Install check dams or stabilize slope slopes with erosion control blankets.
6. Prior to building construction install stone surface for paved areas.
7. Building pads left dormant for more than 15 days, must be temporarily seeded.
8. Start building construction. Install staging area for building materials.
9. Install storm sewer and other utilities. Provide inlet protection immediately upon completion of the inlet and install riprap outlet protection prior to installing outlets. Final grade and stabilize slopes when inlets are functioning.
10. Seed the perimeter of the site.
11. Complete utility installation, curbs, paving and building construction.
12. Install landscaping plant material and stabilize all disturbed areas.
13. Remove all erosion and sediment control practices when areas have a uniform grass cover.

**B3 STABLE CONSTRUCTION ENTRANCE LOCATIONS AND SPECIFICATIONS:**

Refer to the Erosion Control Plan for location and Erosion Control Details for details.

**B4 SEDIMENT CONTROL MEASURES FOR SHEET FLOW AREAS:**

Sheet flow areas will be protected by seed and mulch or hydroseeding. Erosion control blankets will be installed on sloped areas where the slope exceeds 6:1 (horizontal to vertical). Silt Fence will be installed to prevent sedimentation from leaving the site. Because lengths and heights of the slopes are small, more aggressive erosion control measures were not considered.

Refer to Sheet Erosion Control Details for details.

**B5 SEDIMENT CONTROL MEASURES FOR CONCENTRATED FLOW AREAS:**

There are no proposed concentrated flow areas on-site.

Straw bales and silt fences will not be allowed as concentrated flow protection measures.

**B6 STORM SEWER INLET PROTECTION MEASURE LOCATIONS AND SPECIFICATIONS:**

The contractor shall install inlet protection in each inlet in paved areas and straw bales around inlets in grass areas during construction. The proposed inlet will contain a permanent two-foot sump to collect sediment during and after construction. Refer to the Erosion Control Plan for locations and refer to Erosion Control Details for details.

Straw bales alone will not be allowed as inlet protection measures.

**B7 RUNOFF CONTROL MEASURES:**

Not applicable.

**B8 STORMWATER OUTLET PROTECTION SPECIFICATIONS:**

Stormwater outlets will be protected by riprap aprons. Refer to the Erosion Control Plan for locations and the Erosion Control Details for details.

**B9 GRADE STABILIZATION STRUCTURE LOCATIONS AND SPECIFICATIONS:**

Rip rap aprons at outlets will be utilized to prevent grade destabilization. Refer to Erosion Control Plan for locations and Erosion Control Details for details.

**B10 LOCATION, DIMENSIONS, SPECIFICATIONS, AND CONSTRUCTION DETAILS OF EACH STORMWATER QUALITY MEASURE:**

The detention ponds will provide a sediment removal function in addition to the primary function of controlling peak discharges from the site. Temporary or permanent surface stabilization required for thin or bare area that is inactive for 15 days or more.

**B11 TEMPORARY SURFACE STABILIZATION METHODS APPROPRIATE FOR EACH SEASON:**

Refer to the Erosion Control Details, within the Seasonal Soil Protection Chart.

**B12 PERMANENT SURFACE STABILIZATION SPECIFICATIONS:**

- A. Loosen lawn area to a minimum depth of 6 inches. Mix soil amendments and fertilizers with topsoil at rates specified. Organic soil amendments such as peat, compost or manure shall be applied at 2" depth evenly over soil and incorporated into the top 6" of topsoil. Provide fertilizer with percentage of nitrogen required to provide not less than 1 pound of actual nitrogen per 1,000 sq. ft. of lawn area and not less than 4 percent phosphoric acid and 2 percent potassium. At least 50 percent of nitrogen to be organic form. Delay mixing of fertilizer if planting will not follow ploing of planting soil within a few days.
- B. Fertilizer for lawns: provide a fast release fertilizer with a composition of 1 lb per 1,000 sq. ft. of actual nitrogen, 4 percent phosphorus, and 2 percent potassium by weight.
- C. Slow-release fertilizer for trees and shrubs: granular fertilizer consisting of 50 percent water-insoluble nitrogen, phosphorus and potassium made up of a composition by weight of 5 percent.
- D. Grade lawn and grass areas to a smooth, even surface with loose, uniformly fine texture. Limit fine grading to areas that can be planted with immediate future. Remove trash, debris, stones larger than 1 inch diameter, and other objects that may interfere with planting or maintenance operations.
- E. Sow seed using a spreader or seeding machine. Do not seed when wind velocity exceeds 5 miles per hour. Distribute seed evenly over entire area by sowing equal quantity in 2 directions at right angles to each other.
- F. Rate seed lightly into top 1/8 inch of soil, roll lightly, and water with a fine spray.
- G. Install erosion control blankets as indicated on the plan.
- H. Protect seeded areas against erosion by spreading clean, seed-free straw mulch after completion of seeding operations. Spread uniformly to form a continuous blanket not less than 1-1/2 inches loose measurements over seeded areas.
- I. Water newly planted lawn areas and keep moist until new grass is established. Immediately repair any lawn areas disturbed by construction activities including tree and shrub installation.
- J. Refer to the Erosion Control Details, within the Seasonal Soil Protection Chart for timing of temporary and permanent seeding and grass seed specifications.

**B13 MATERIAL HANDLING AND SPILL PREVENTION PLAN:**

**Solid Waste Disposal:**

No solid material, including building materials, is permitted to be discharged to surface waters or buried on site. All solid waste materials, including disposable materials incidental to the construction activity, must be collected in containers or closed dumpster's. The collection containers must be emptied periodically and the collected material hauled to a landfill permitted by the State and/or appropriate local municipality to accept the waste for disposal.

A foreman or supervisor should be designated in writing to oversee, enforce, and instruct construction workers on proper solid waste procedures.

**Hazardous Waste:**

Whenever possible, minimize the use of hazardous materials and generation of hazardous wastes. All hazardous waste materials will be disposed in the manner specified by federal, state, or local regulations or by the manufacturer.

Use containment berms in fueling and maintenance areas and where potential for spills is high.

A foreman or supervisor should be designated in writing to oversee, enforce and instruct construction workers on proper hazardous waste procedures. The location of any hazardous waste storage areas should be indicated on the stormwater pollution prevention plan by the operator following on-site location of the facility.

**Dust Control/Off-Site Vehicle Tracking:**

During construction, water trucks should be used, as needed, by each contractor or subcontractor to reduce dust. After construction, the site should be stabilized to reduce dust.

Construction traffic should enter and exit the site at a Construction Entrance with a rock pad or equivalent device. The purpose of the rock pad is to minimize the amount of soil and mud that is tracked onto existing streets. If sediment escapes the construction site, off-site accumulations of sediment must be removed at a frequency sufficient to minimize offsite impacts.

**Sanitary/Septic:**

Contractors and subcontractors must comply with all state and local sanitary sewer, portable toilet, or septic system effluent impacts.

**Sanitary/Septic:**

Contractors and subcontractors must comply with all state and local sanitary sewer, portable toilet, or septic system regulations. Sanitary facilities shall be provided at the site by each contractor or subcontractor throughout construction activities. The sanitary facilities should be utilized by all construction personnel and be serviced regularly. All expenses associated with providing sanitary facilities are the responsibility of the contractors and subcontractors. The location of any sanitary facilities should be indicated on the stormwater pollution prevention plan by the operator following on-site location of said facilities.

**Water Source:**

Water used to establish and maintain grass, to control dust, and for other construction purposes must originate from a public water supply or private well approved by the State or local health department.

**Equipment Fueling and Storage Areas:**

Equipment fueling, maintenance, and cleaning should only be completed in protected areas (i.e., bermed area). Leaking equipment and maintenance fluids will be collected and not allowed to discharge onto soil where they may be washed away during a rain event.

Equipment wash down (except for wheel washes) should take place within an area surrounded by a berm. The use of detergents is prohibited.

**Hazardous Material Storage:**

Chemicals, paints, solvents, fertilizers, and other toxic or hazardous materials should be stored in their original containers (if original container is not resealable, store the products in clearly labeled, waterproof containers). Except during application, the containers should be kept in trucks or in bermed areas within covered storage facilities. Runoff containing such materials shall be collected, removed from the site, and disposed of in accordance with the federal, state, and local regulations.

As may be required by federal, state or local regulations, the Contractor should have a Hazardous Materials Management Plan and/or Hazardous Materials Spill and Prevention Program in place. A foreman or supervisor should be designated in writing to oversee, enforce, and instruct construction workers on proper hazardous materials storage and handling procedures. The location of any hazardous material storage areas should be indicated on the stormwater pollution prevention plan by the operator following on-site location of the storage areas.

**Material Handling and Spill Prevention:**

Discharge of hazardous substances or oil into stormwater is subject to reporting requirements. In the event of a spill of a hazardous substance, the operator is required to notify the National Response Center (1-800-424-8802) to properly report the spill. In addition, the operator shall submit a written description of the release (including the type and amount of material released, the date of the release, the circumstances of the release, and the steps to be taken to prevent future spills) to the local Soil and Water Conservation District. The SWPPP must be revised: within 14 calendar days after the release to reflect the release, stating the information above along with modifications to minimize the possibility of future occurrences. Each contractor and subcontractor is responsible for complying with these reporting requirements.

**Concrete Washout:**

All concrete trucks waste material shall be completely contained and disposed in accordance with all local, state, and federal regulations. A pit or container is required when cleaning concrete chutes.

**Spill Response Plan:**

- Minor — Small spills that typically involve oil gasoline, paint, hydraulic fluid etc. Minor spills can be controlled by the first responder at the discovery of the spill.
  - Contain spill to prevent material from entering storm or ground water. Do not flush with water or bury.
  - Use absorbent material to clean-up spill material and any subsequently contaminated soil and dispose of properly.

- Semi-significant Spills — Approximately ten gallons or less of pollutant with no contamination of ground or surface waters. Minor spills can be generally controlled by the first responder with help from other site personnel. This response may require other operations to stop to make sure the spill is quickly and safely addressed. At the discovery of the spill:
  - Contain spill to prevent material from entering storm or ground water. Do not flush with water or bury.
  - Use absorbent material to clean-up spills and dispose of properly. Spills on impervious surfaces should be contained with a dry absorbent. Spills on clayey soils should be contained by constructing an earthen dike and should be disposed of as soon as possible to prevent migration deeper into the soil and groundwater. Dispose of contaminated soils or absorbents properly.
  - Contact 911 if this spill could be a safety issue.
  - Contact supervisors and designated inspectors immediately
  - Contaminated solids to be removed to an approved landfill.

Major or Hazardous Spills — More than ten gallons, there is the potential for death, injury or illness to humans or animals or has the potential for surface or groundwater pollution.

- Control or contain the spill without risking bodily harm. Temporarily plug storm drains if possible to prevent migration of the spill into the stormwater system.
- Immediately contact the local Fire Department at 911 to report any hazard material spill.
- Contact supervisors and designated inspectors immediately. Other county or municipal officials (Town of Franklin Engineering Department) responsible for storm water facilities should be contacted as well. The contractor is responsible for having these contact numbers available at the job site. A written report should be submitted to the owner as soon as possible.
- As soon as possible but within 2 hours of discovery, contact the Department of Environmental Management, Office of Emergency Response 1-888-233-7745. The following information should be noted for future reports to IDEM or the National Response Center.
  - o Name, address and phone number of person making the spill report
  - o The location of the spill
  - o The time of the spill
  - o Identification of the spilled substance
  - o Approximate quantity of the substance that has been spilled or may be further spilled
  - o The duration and source of the spill
  - o Name and location of the damaged waters
  - o Name of spill response organization
  - o What measures were taken in the spill response
  - o Other information that may be significant

Additional information or requirements may be present. A spill response professional should be consulted to make sure all appropriate and required steps have been taken. Contaminated solids should only be removed from the site after approval is given by Emergency Response.

**B14 MONITORING AND MAINTENANCE GUIDELINES FOR EACH PROPOSED STORMWATER QUALITY MEASURE:**

**Inspection Schedule/Reporting:**

All impacted areas, as well as all erosion and sediment control devices, will be inspected every seven (7) calendar days and within 24 hours after a rainfall of 0.5 inch or greater. Where sites have been final or temporarily stabilized or on sites where runoff is unlikely due to winter conditions (e.g., site is covered with snow, ice, or frozen ground exists), such inspections shall be conducted at least once every month.

Inspections shall be conducted and a written report prepared, by a designated and qualified person familiar with the USEPA NPDES Storm Water General Permit, this SWPPP, and the Project.

Inspection reports shall be completed including scope of the inspection, name(s) and qualifications of personnel making the inspection, the date of the inspection, observations relating to the implementation of the SWPPP, and any actions taken as a result of incidents of noncompliance noted during the inspection. The inspection report should state whether the site was in compliance or identify any incidents of noncompliance. The contractor shall keep a copy of the inspection reports on site and permanently for a period of two years following construction. The on-site reports may be requested by inspections conducted by the local Soil and Water Conservation District.

**Construction Entrance:**

Locations where vehicles exit the site shall be inspected for evidence of off-site sediment tracking. Each contractor and subcontractor shall be responsible for maintaining the Construction Entrance and other controls as described in this SWPPP.

**Material Storage Inspections:**

Inspectors must evaluate areas used for storage of materials that are exposed to precipitation. The purpose is to ensure that materials are protected and/or impervious surfaces are maintained. Inspectors should inspect all material storage areas used solely by the subject project are considered to be part of the project and must be included in the erosion control plans and the site inspection reports.

**Soil Stabilization Inspections:**

Seeded areas will be inspected to confirm that a healthy stand of vegetation is maintained. The site has achieved final stabilization once all areas are covered with pavement or have a stand of vegetation with at least 70% of the background vegetation density. The density of 70% or greater must be maintained to be considered as stabilized. The operator or their representative will water, fertilize, and reseed disturbed areas as needed to achieve this goal.

**Erosion and Sediment Control Inspections:**

All controls should be inspected at least once every seven (7) calendar days and following any storm event of 0.5 inch or greater. The following is a list of inspection/maintenance practices that will be used for specific controls:

1. Geotextiles/Erosion Control Mats: Missing or loose matting must be replaced or re-anchored.

2. Inlet Protection: Sediment should be removed when it reaches approximately one-half the height of the fence. If a pump is used, sediment should be removed when the volume of the basin is reduced by 50%.
3. Diversions/Swales: Clean debris or other obstructions as needed. Damage from storms or normal construction activities (i.e., tire ruts) shall be repaired immediately.
4. Mulching: Inspect for thin or bare spots caused by natural decomposition or weather-related events. Mulch in high traffic area should be replaced on a regular basis to maintain uniform protection.
5. Sediment Trap: Accumulated silt shall be removed and the basin shall be regarded to its original dimensions at such point that the capacity of the impoundment has been reduced to one-half of its original storage capacity. The removed sediment shall be stockpiled or redistributed in areas that are protected from erosion.
6. Sediment Basin: Inspect frequently to check for damage and to ensure obstructions are not diminishing the effectiveness of the structures. Sediment shall be removed and the basin shall be regarded to its original dimensions at such point that the capacity of the impoundment has been reduced to 20% of its original storage capacity. The removed sediment shall be stockpiled or redistributed in areas that are protected from erosion.
7. Silt Fence: Removal of built-up sediment will occur when the sediment reaches one-third the height of the fence.
8. Stabilized Construction Entrance: Periodic regarding and top dressing with additional stones.
9. Straw Bales: Replace straw bales that show signs of deterioration.
10. Vegetation: Protect newly seeded areas from excessive runoff and traffic until vegetation is established. Establish a watering and fertilizing schedule.
11. Good Housekeeping: Litter, construction debris, and construction chemicals exposed to stormwater shall be prevented from becoming a pollutant source for stormwater discharges through screening of outfalls and daily pickup of litter.

In the event that sediment escapes the construction site, off-site accumulations of sediment must be removed at a frequency sufficient to minimize adverse impacts. An example of this may be the situation where sediment has washed into the street and could be carried into the storm sewers by the next rainfall and/or pose a safety hazard to users of public streets.

**Modifications/Revisions to SWPPP:**

Based on inspection results, any necessary modification to this SWPPP shall be implemented within seven calendar days of the inspection. A modification is necessary if a control measure or operational procedure does not provide adequate pollutant control. All revisions shall be recorded on a Record of Revisions within seven calendar days of the inspection.

It is the responsibility of the operator to maintain effective pollutant discharge controls. Physical site conditions or contractor/subcontractor practices could make it necessary to install more controls than were originally planned. For example, localized concentrations of surface runoff or unusually steep areas could require additional silt barrier or other structural controls. Assessing the need for and installing additional controls will be a continuing contractor/subcontractor responsibility until final stabilization is achieved. Contractors and subcontractors implementing this SWPPP must remain alert to the need to periodically refine and update this SWPPP in order to accomplish the intended goals.

**Notice of Termination:**

Compliance of the site with the General Construction Permit remains the responsibility of all operators that have submitted an NOI until such time as they have submitted a Notice of Termination (NOT). The permittee's authorization to discharge under the General Construction Permit terminates at midnight of the day the NOT is signed.

All permittees must submit an NOT within thirty (30) days after one or more of the following conditions have been met:

1. Final stabilization has been achieved on all portions of the site for which the permittee was responsible.
2. Another operator/permittee has assumed control over all areas of the site that have not been finally stabilized.
3. In residential construction operations, temporary stabilization has been completed and the residence has been transferred to the homeowner.

**B15 EROSION AND SEDIMENT CONTROL SPECIFICATIONS FOR INDIVIDUAL BUILDING LOTS:**

Since the entire site is under a single ownership, there are not any individual building lots.

**C1 DESCRIPTION OF POLLUTANTS AND THEIR SOURCES ASSOCIATED WITH THE PROPOSED LAND USE:**

The proposed land use is an industrial drive and parking lot. The pollutants and sources of each pollutant normally expected from this type of land use are listed below:

Pollutant Source: Passenger vehicles, delivery vehicles.

Type of Pollutant: Oil, gasoline, diesel fuel, any hydrocarbon associated with vehicular fuels and lubricants, grease, antifreeze, windshield cleaner solution, brake fluid, brake dust, rubber, glass, metal and plastic fragments, grit, road de-icing materials.

Pollutant Source: Office building.

Type of Pollutant: Cleaning solutions or solvents, leaks from HVAC equipment, grit from roof drainage, aggregate or rubber fragments from roofing system.

Pollutant Source: Trash dumpster.

Type of Pollutant: Cleaning solutions or solvents, litter (paper, plastic, general refuse associated with distribution operations), uneaten food products, bacteria.

Pollutant Source: Parking lot.

Type of Pollutant: Any pollutant associated with vehicular sources, grit from asphalt wearing surface, bituminous compounds from periodic maintenance (sealing, resurfacing and patching), pavement de-icing materials, paint fragments from parking stall stripes, concrete fragments, wind-blown litter from off-site sources, elevated water temperatures from contact with impervious surfaces.

Pollutant Source: Lawn and landscape areas.

Type of Pollutant: Fertilizers, soil, organic material (leaves, mulch, grass clippings)

The anticipated pollution sources are the vehicles that will use facility, including both delivery trucks and passenger vehicle traffic. Possible pollutants include oil, gasoline, anti-freeze and other pollutants associated with vehicular traffic.

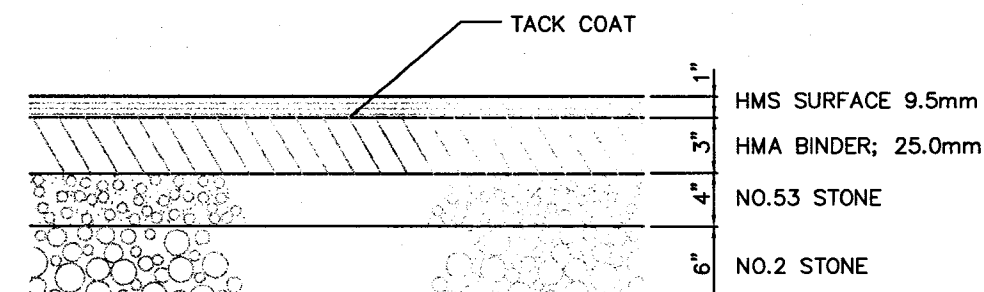
**C2 SEQUENCE DESCRIBING STORMWATER QUALITY MEASURE IMPLEMENTATION:**

The stormwater detention ponds will remain in place as permanent features after construction is completed. Although the purpose of the ponds is to restrict stormwater discharges, they will provide an incidental sediment removal function.

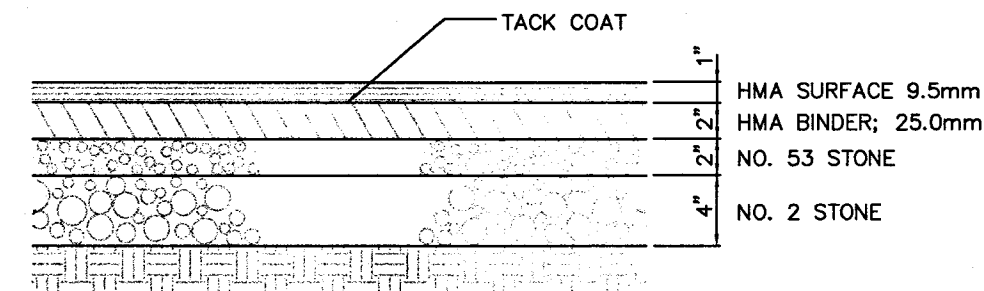
Oils, grease, brake fluid and gasoline spilled on-site shall be immediately absorbed with products such as perlite vermiculite, sand or polypropylene and disposed of in accordance with local regulations.

**C3 DESCRIPTION OF PROPOSED POST-CONSTRUCTION STORMWATER QUALITY ME**

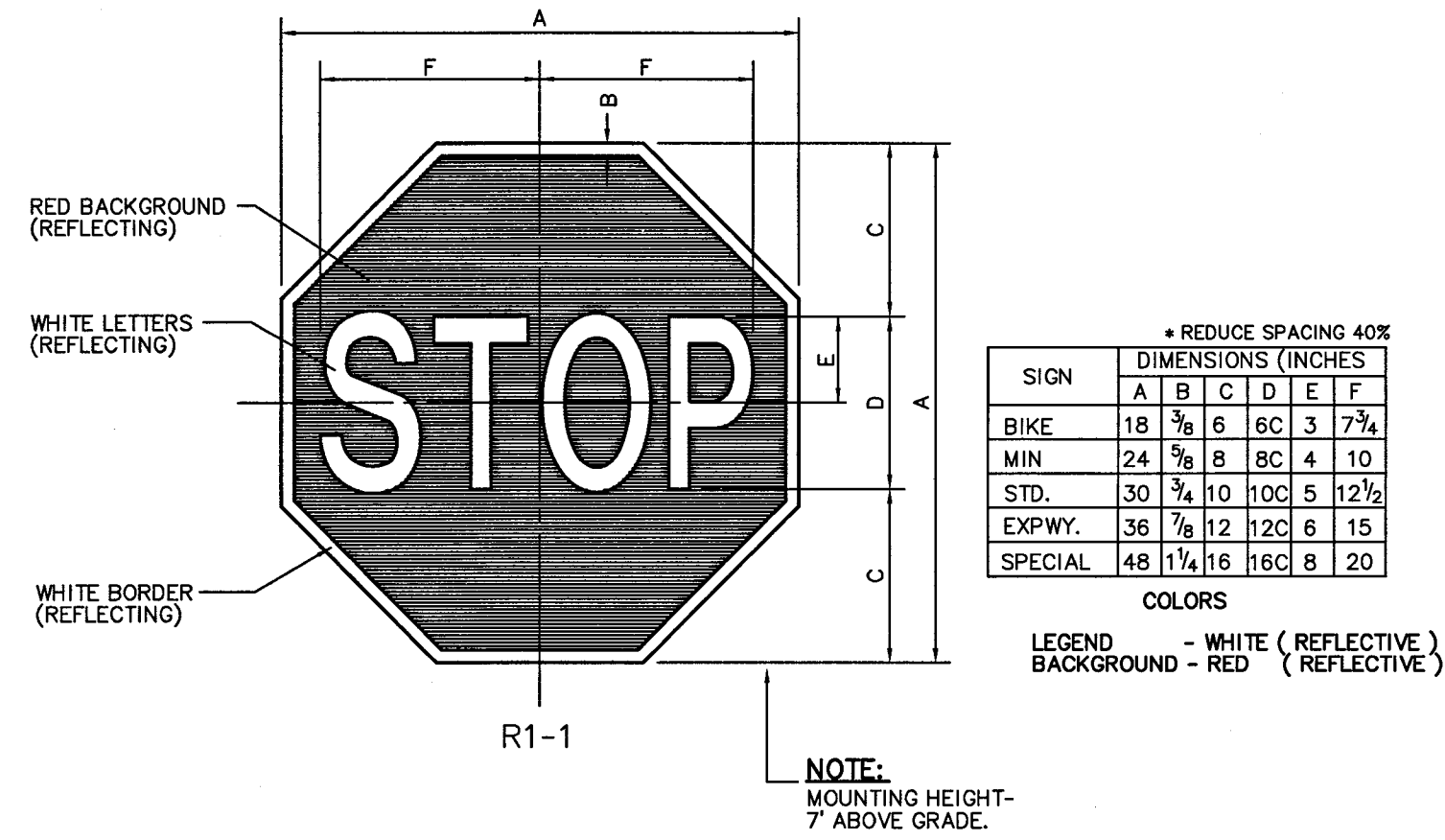




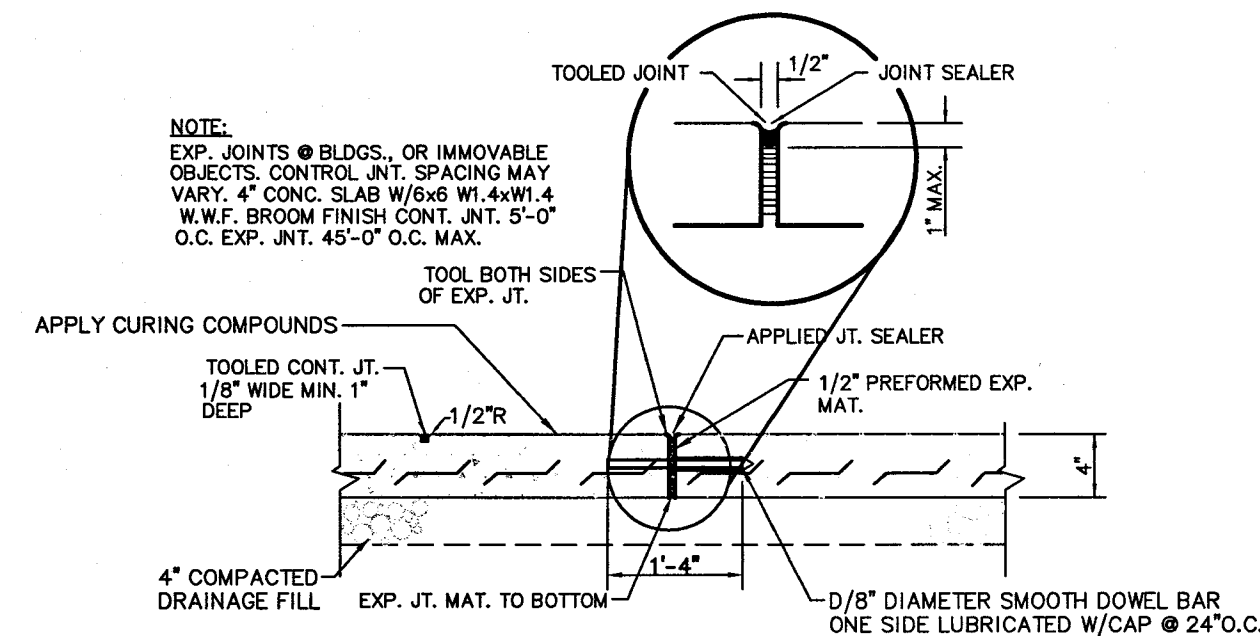
**HEAVY DUTY ASPHALT PAVEMENT SECTION**  
NOT TO SCALE



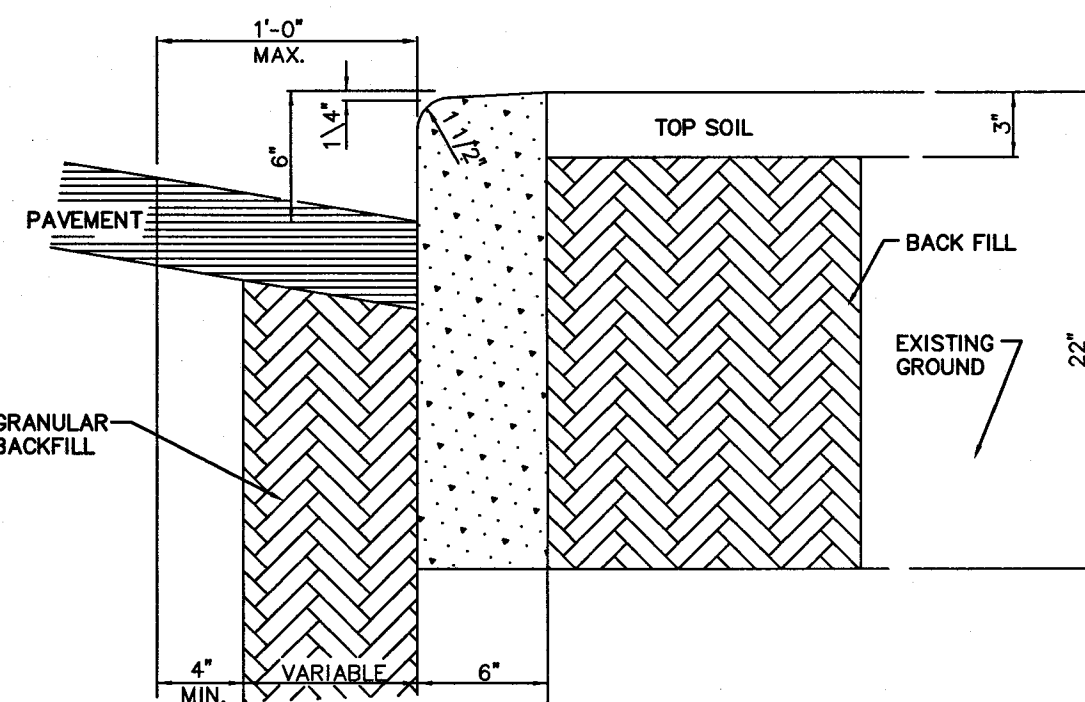
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NOT TO SCALE



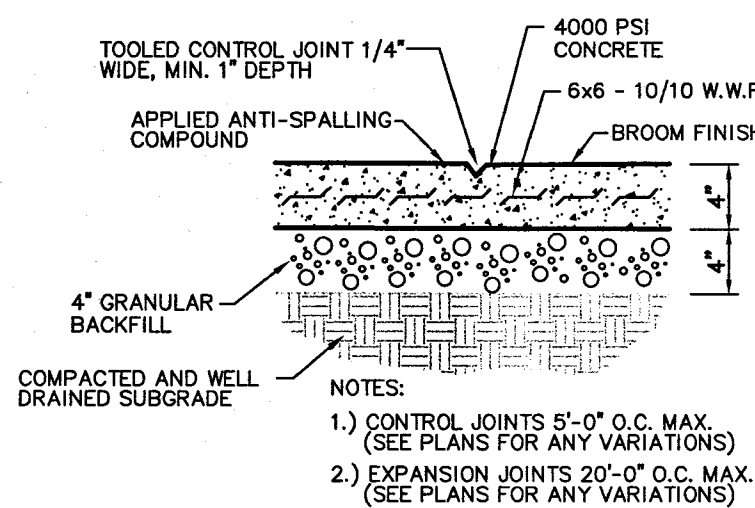
**STOP SIGN DETAIL**  
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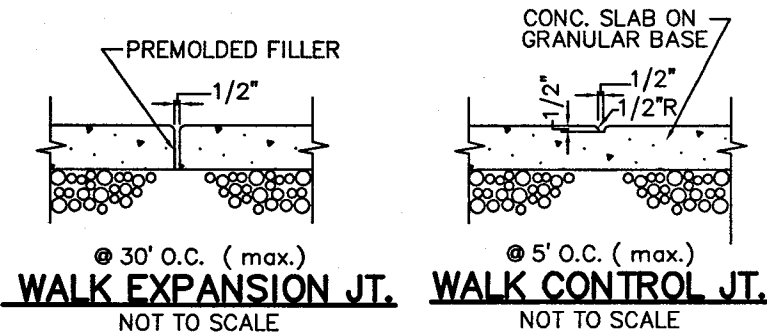
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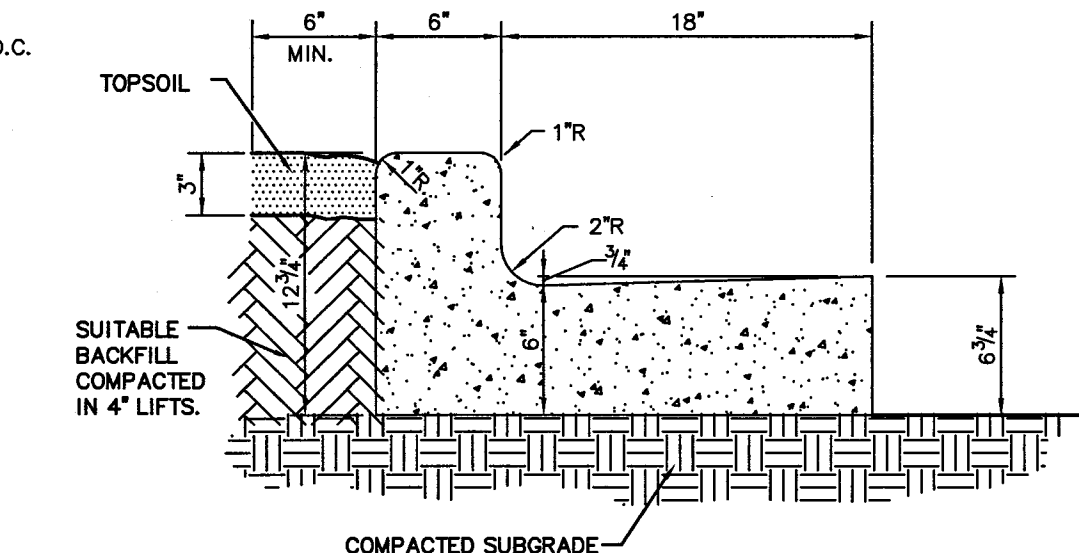
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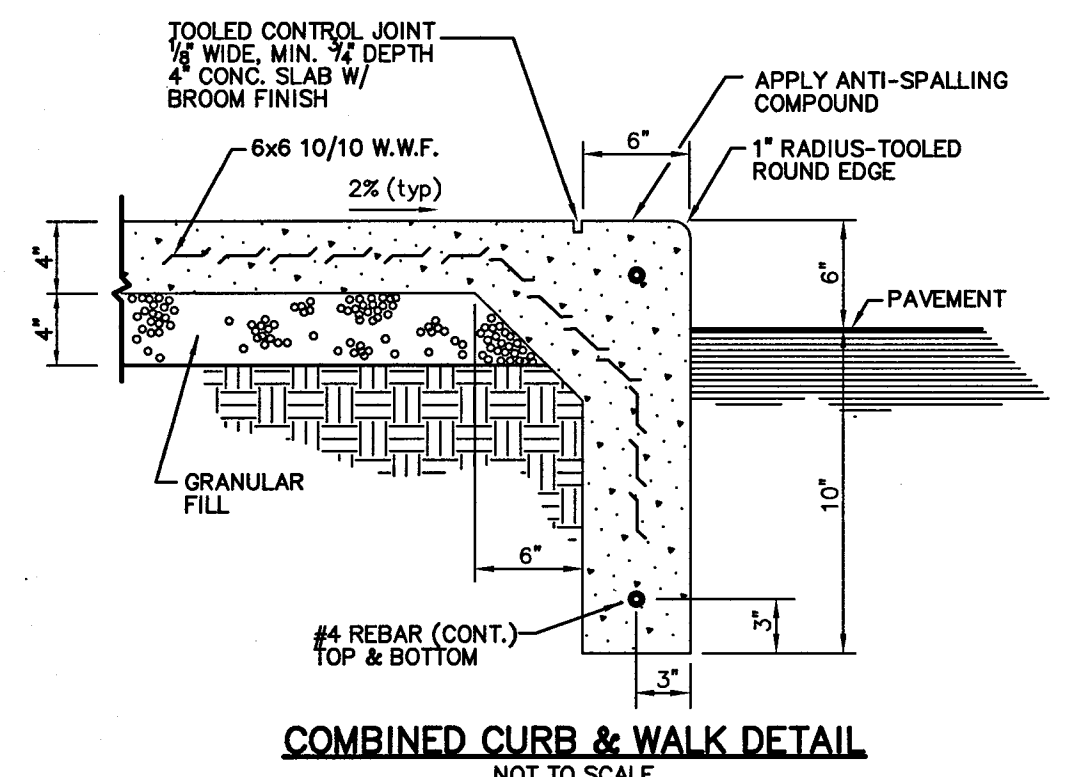
**CONCRETE WALK DETAIL**  
NO SCALE



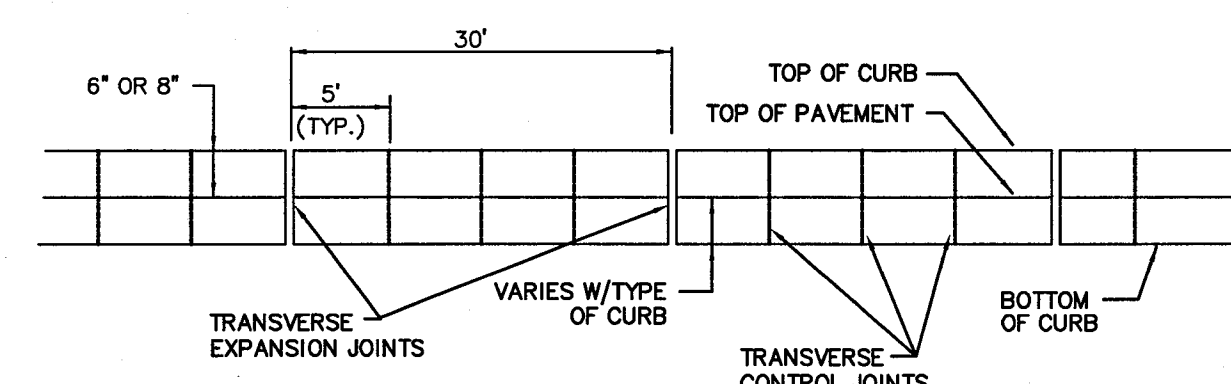
**WALK EXPANSION JT. WALK CONTROL JT.**  
NOT TO SCALE



**COMBINED CONCRETE CURB & GUTTER (TYPE II)**  
NOT TO SCALE



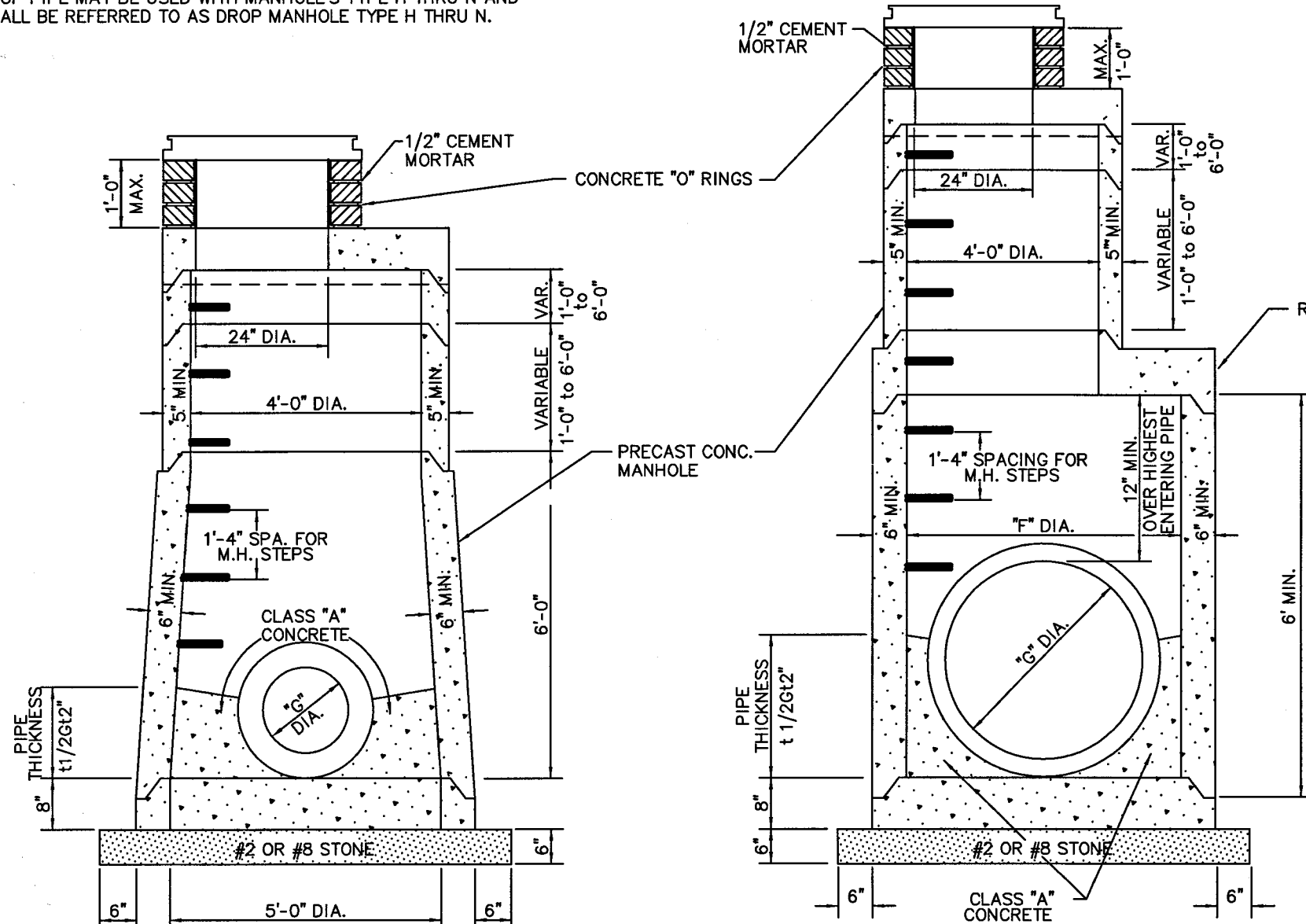
**COMBINED CURB & WALK DETAIL**  
NOT TO SCALE



**CURB JOINT DETAIL**  
NOT TO SCALE

| MANHOLE |         |      |                                         |                                |
|---------|---------|------|-----------------------------------------|--------------------------------|
| TYPE    | "G"     | "T"  | MAXIMUM PIPE SIZE RT. ANGLE TO MAINLINE | MAXIMUM PIPE SIZE FOR MAINLINE |
| H       | 24"x36" |      | 30"                                     | 36"                            |
| J       | 24"x36" | 60"  | 33"                                     | 36"                            |
| K       | 36"x48" | 72"  | 36"                                     | 48"                            |
| L       | 48"x54" | 96"  | 48"                                     | 54"                            |
| M       | 54"x72" | 102" | 66"                                     | 72"                            |
| N       | 72"x84" | 108" | 72"                                     | 84"                            |

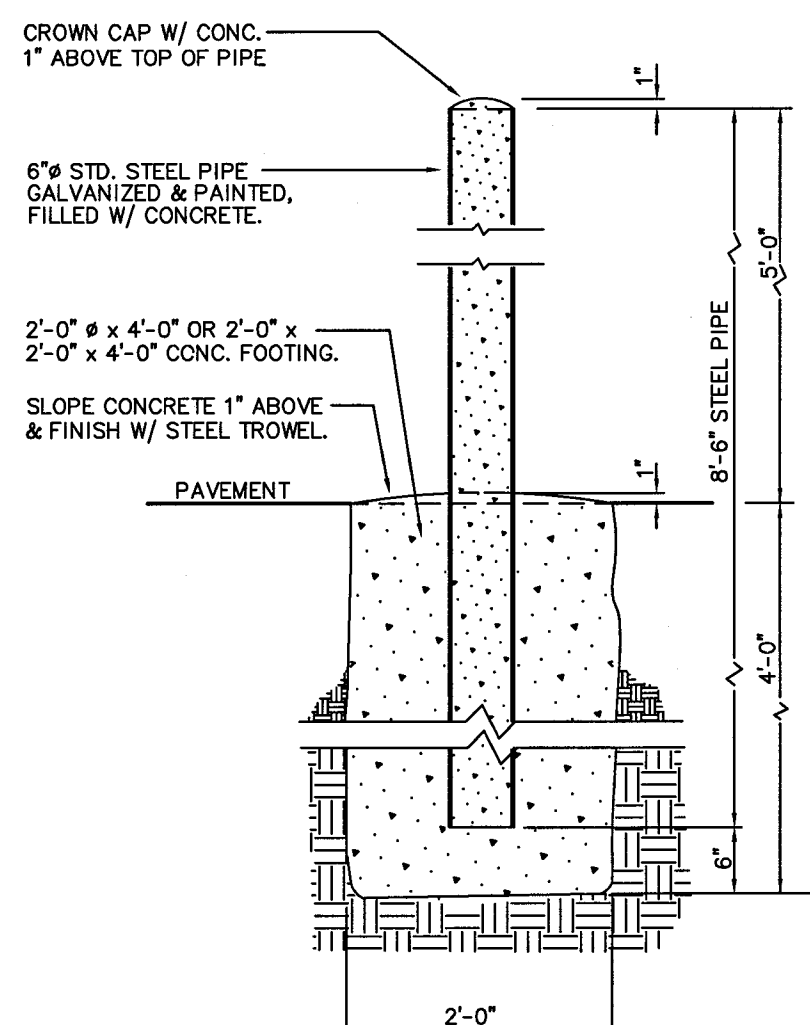
NOTES:  
DROP PIPE MAY BE USED WITH MANHOLE'S TYPE H THRU N AND SHALL BE REFERRED TO AS DROP MANHOLE TYPE H THRU N.



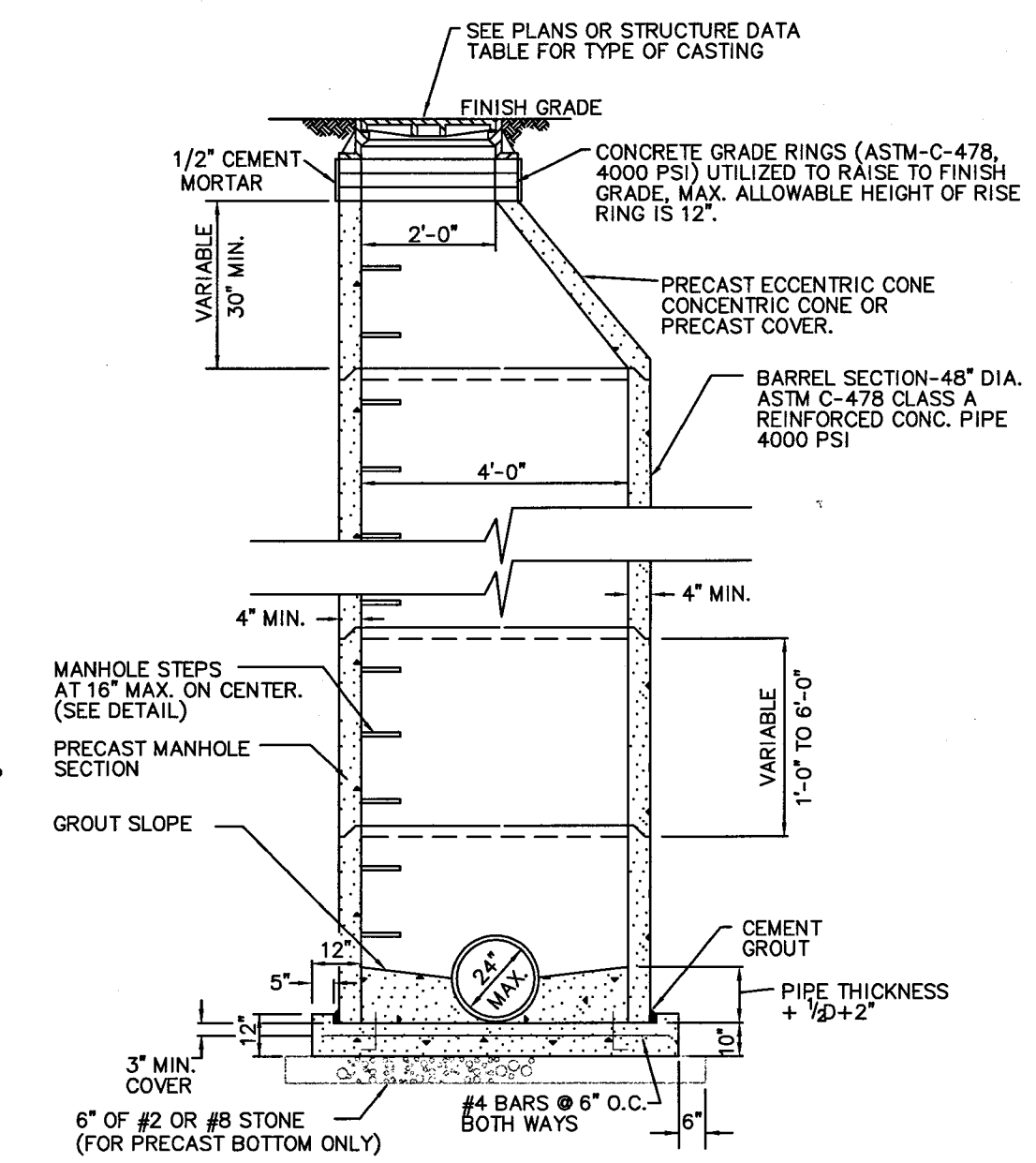
**TYPE "H"**

**TYPE "J,K,L,M,N"**

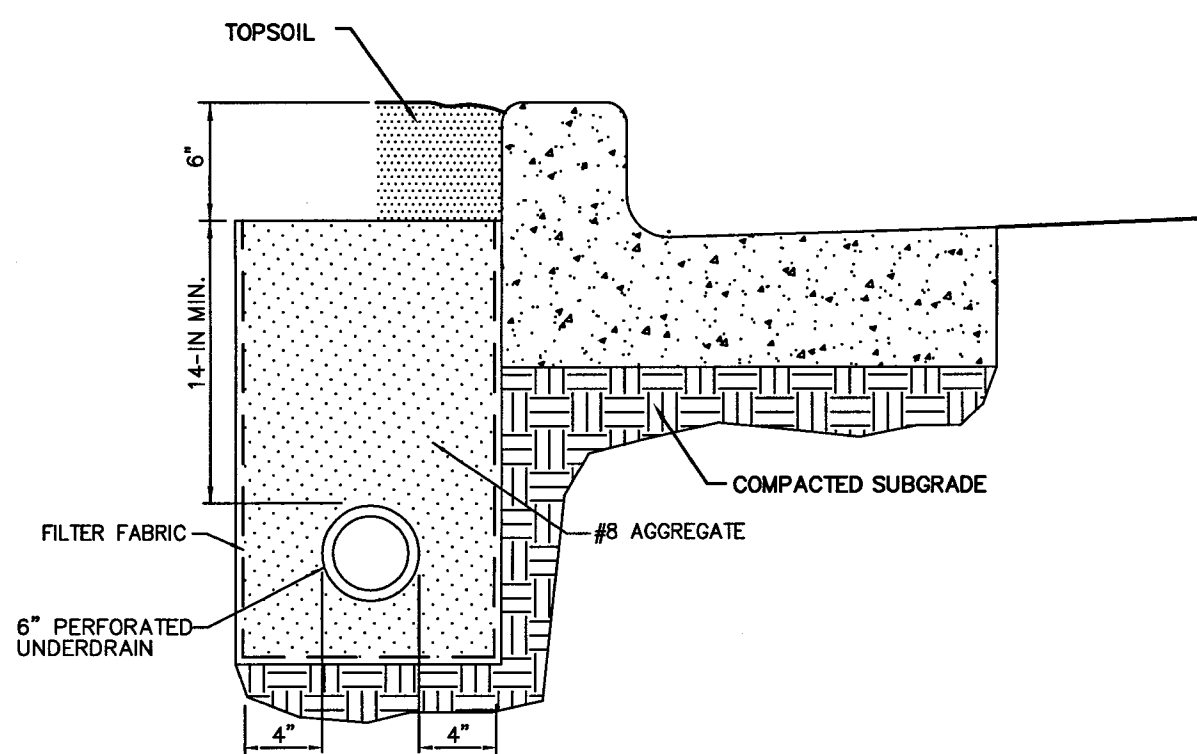
**MANHOLES**  
NOTE TO SCALE



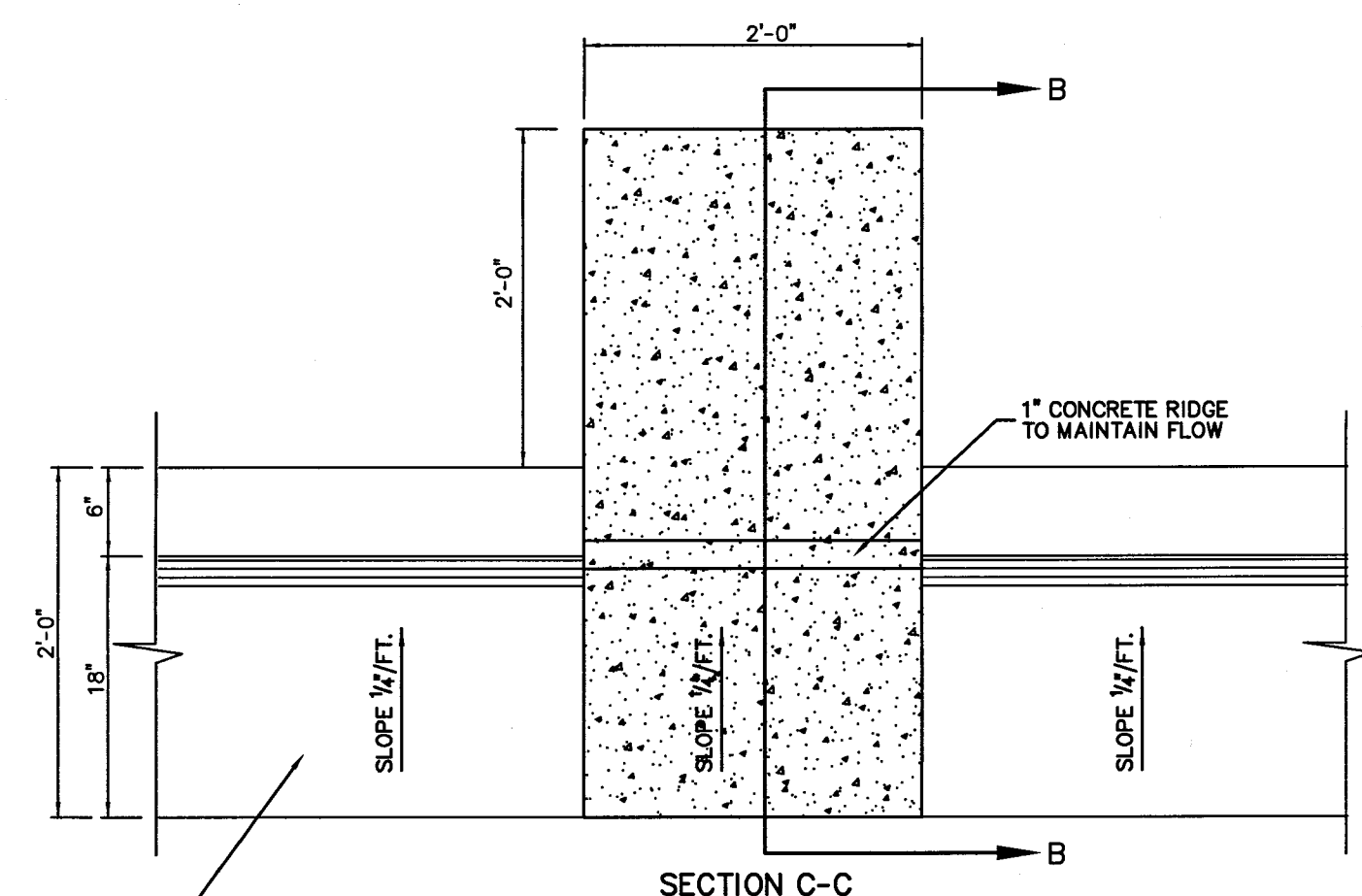
**6\"/>**



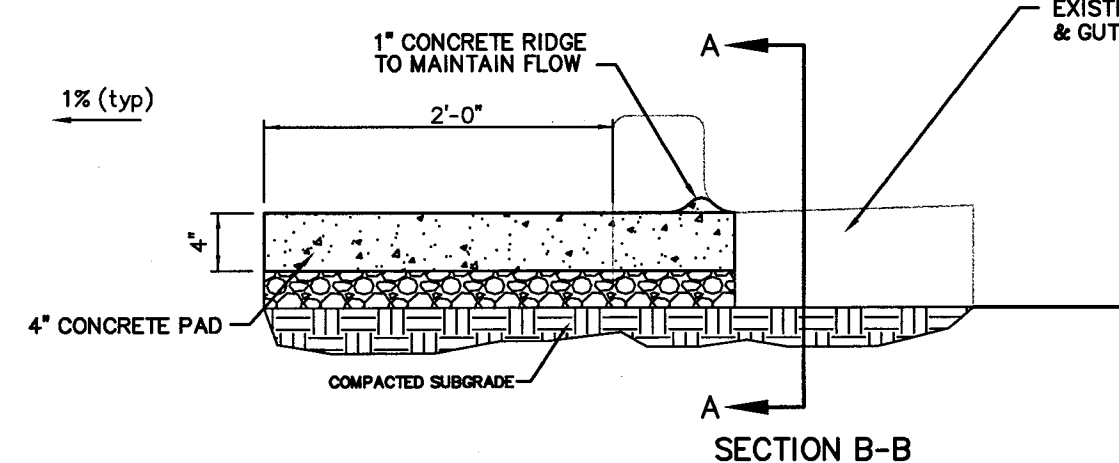
**MANHOLE TYPE "C" (STORM SEWER)**  
NOT TO SCALE



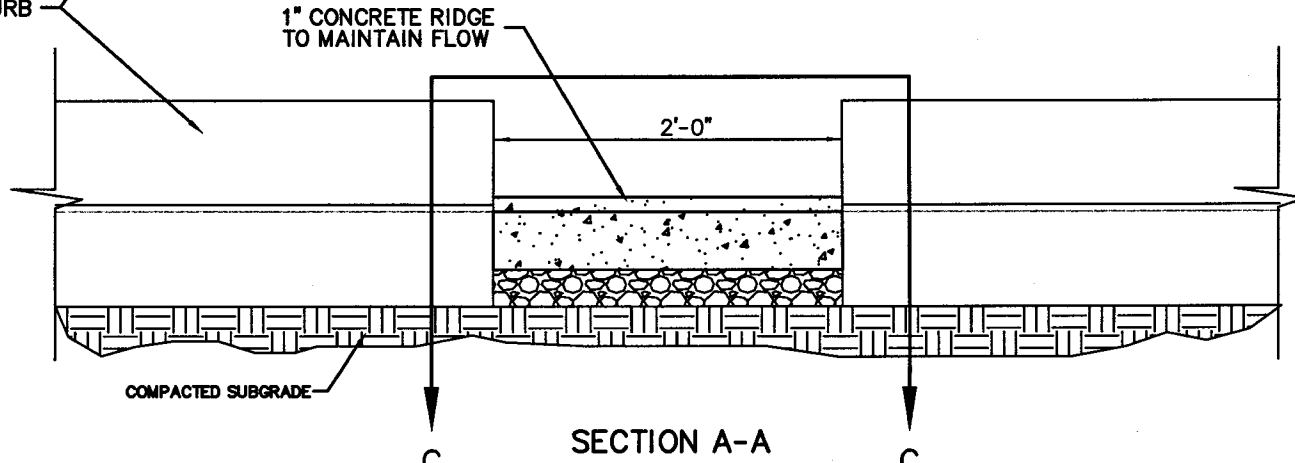
**CURB DRAIN DETAIL**  
NOT TO SCALE



**SECTION C-C**



**SECTION B-B**



**SECTION A-A**

**RECESSED CURB FOR SWING GATE**  
NOT TO SCALE

7260 SHADELAND STATION  
INDIANAPOLIS, IN 46256-3857  
TEL. 317.547.3580 FAX 317.543.0270  
www.structurepoint.com

AMERICAN  
**STRUCTUREPOINT**  
INC.

WILLIAM A. BUTT, JR.  
No. PE10606045  
STATE OF INDIANA  
PROFESSIONAL ENGINEER  
CERTIFIED BY

**SITE DETAILS**

PREPARED FOR:  
**TIPPMANN CONSTRUCTION INC.**  
9009 COLDWATER ROAD  
FT. WAYNE, INDIANA 46825

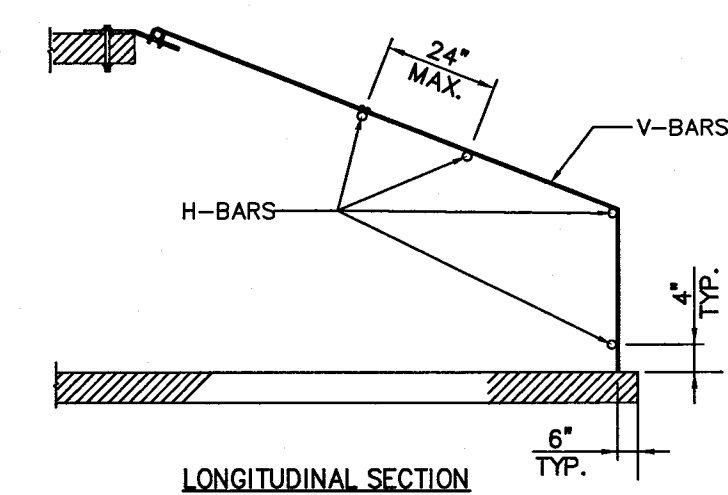
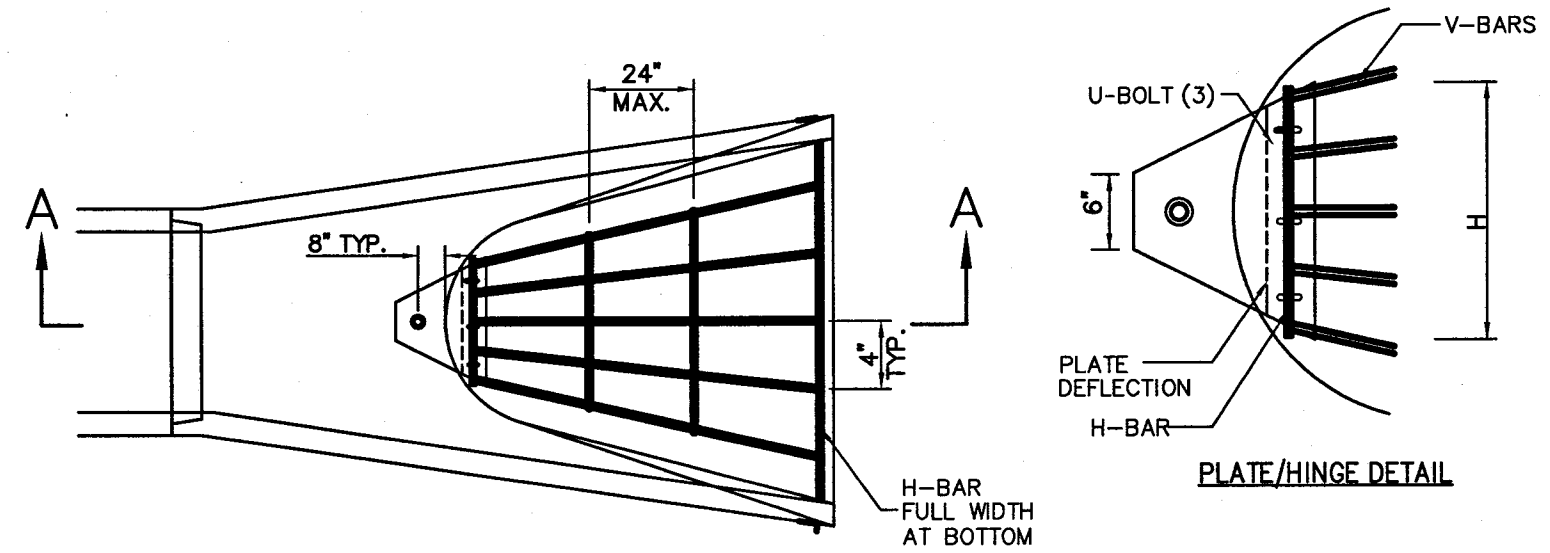
PROJECT:  
**TRUCK DRIVE**  
**INTERSTATE WAREHOUSE FACILITY**  
**FRANKLIN, INDIANA**

DATE:  
DRAWN BY: DCR  
CHK'D BY: WAB  
JOB NO. 201200731

| REVISIONS |
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SHEET NO.  
**C.600**  
OF

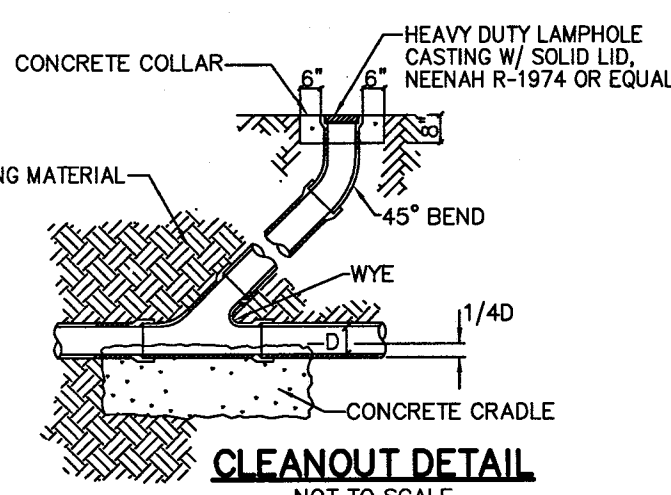




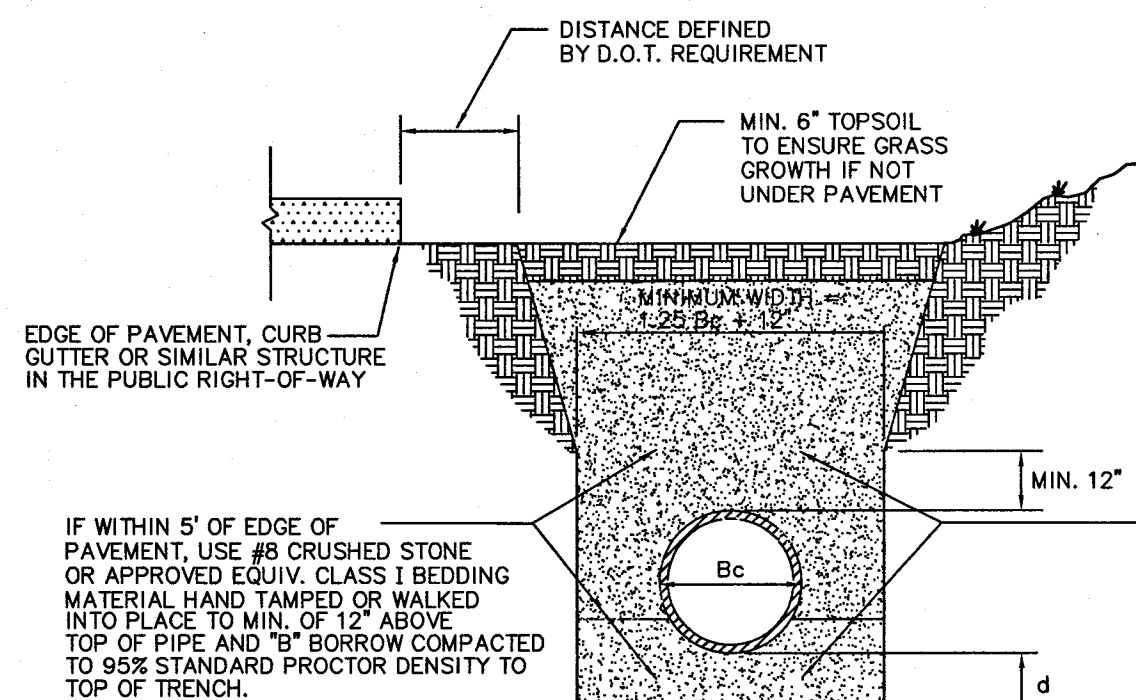
**ANIMAL GUARD GRATING  
FOR CONCRETE END SECTION**  
NOT TO SCALE

| APRON<br>SIZE<br>INCHES | V-BAR<br>SIZE<br>INCHES | NO. OF<br>REGD<br>H-BARS | H-BAR<br>SIZE<br>INCHES | BOLT<br>DIA.<br>INCHES | H"<br>DIM.<br>INCHES |
|-------------------------|-------------------------|--------------------------|-------------------------|------------------------|----------------------|
| 12                      | 1/2                     | 3                        | 5/8                     | 1/2                    | 14                   |
| 15                      | 1/2                     | 3                        | 5/8                     | 1/2                    | 16                   |
| 18                      | 1/2                     | 4                        | 5/8                     | 1/2                    | 16                   |
| 21                      | 1/2                     | 4                        | 5/8                     | 1/2                    | 16                   |
| 24                      | 5/8                     | 4                        | 3/4                     | 1/2                    | 20                   |
| 27                      | 5/8                     | 4                        | 3/4                     | 1/2                    | 20                   |
| 30                      | 5/8                     | 4                        | 3/4                     | 1/2                    | 24                   |
| 36                      | 3/4                     | 4                        | 1                       | 3/4                    | 24                   |
| 42                      | 3/4                     | 4                        | 1                       | 3/4                    | 24                   |
| 48                      | 3/4                     | 5                        | 1                       | 3/4                    | 24                   |
| 54                      | 3/4                     | 5                        | 1 1/2 PIPE              | 3/4                    | 26                   |
| 60                      | 3/4                     | 5                        | 1 1/2 PIPE              | 3/4                    | 28                   |
| 66                      | 3/4                     | 6                        | 1 1/2 PIPE              | 3/4                    | 30                   |
| 72                      | 3/4                     | 6                        | 1 1/2 PIPE              | 3/4                    | 32                   |

- NOTES:**
1. BARS & PLATES ARE HOT-ROLLED STEEL.
  2. BARS, PLATES, & PIPE ARE FINISHED WITH 2 COATES OF ALUMINUM PAINT.
  3. BOLTS ARE GALVANIZED
  4. NO REBAR THROUGH PIPES WILL BE ALLOWED
  5. DEBRIS GUARD SHALL BE PLACED ON ALL END SECTIONS WHERE ENTERING INTO PONDS.
  6. ALL DEBRIS GUARD SHALL BE HINGED FOR ACCESS.



**CLEANOUT DETAIL**  
NOT TO SCALE

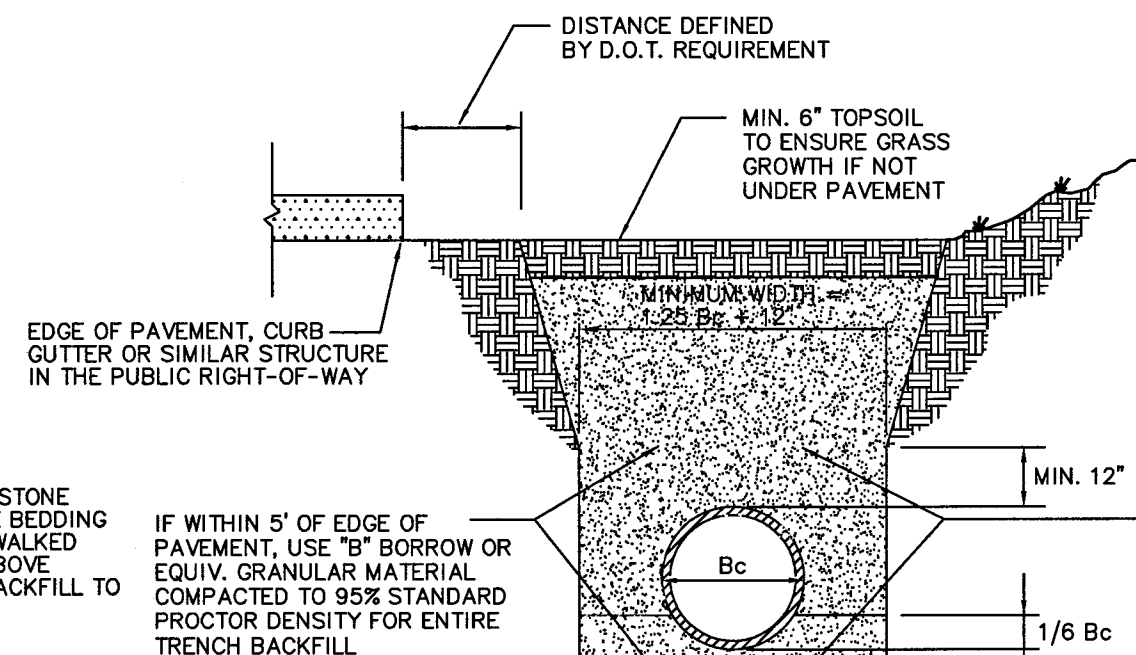


**LEGEND**

Bc = OUTSIDE DIAMETER  
D = INSIDE DIAMETER  
d = DEPTH OF BEDDING MATERIAL BELOW PIPE

| D             | d (MIN) |
|---------------|---------|
| 27" & SMALLER | 4       |
| 30" TO 60"    | 4       |
| 66" & LARGER  | 4       |

**PLASTIC PIPE (PVC & HDPE)  
BEDDING DETAIL**  
NOT TO SCALE

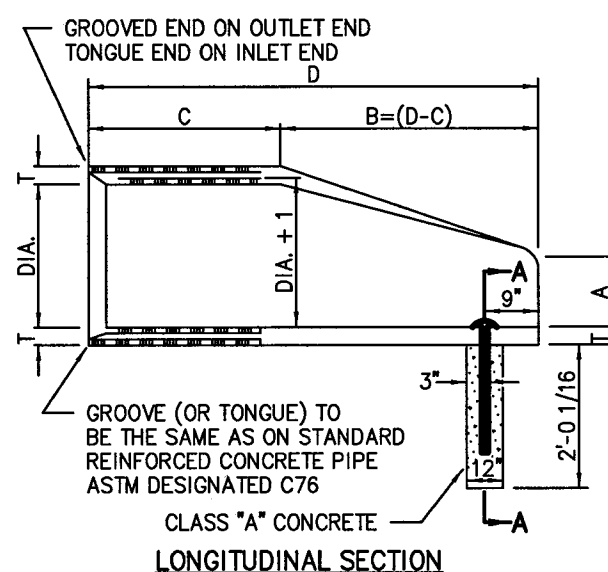
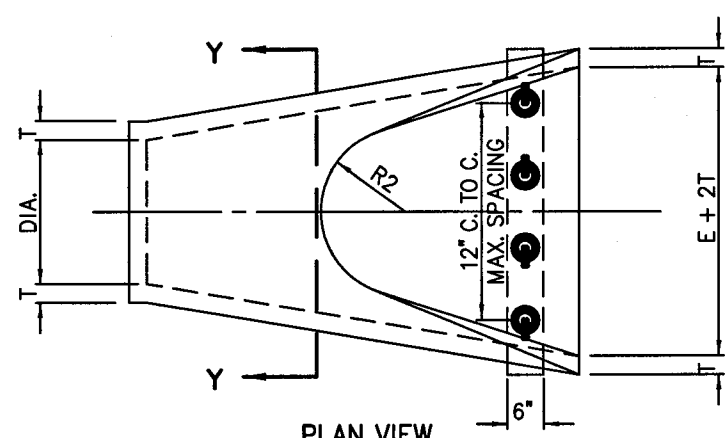


**LEGEND**

Bc = OUTSIDE DIAMETER  
D = INSIDE DIAMETER  
d = DEPTH OF BEDDING MATERIAL BELOW PIPE

| D             | d (MIN) |
|---------------|---------|
| 27" & SMALLER | 3       |
| 30" TO 60"    | 4       |
| 66" & LARGER  | 6       |

**REINFORCED CONCRETE PIPE (RCP)  
BEDDING DETAIL**  
NOT TO SCALE



CONCRETE IN THESE END SECTIONS SHALL BE THE SAME GRADE AND STRENGTH AS SPECIFIED FOR REINFORCED CONCRETE PIPE, A.S.T.M. DESIGNATION C-76 (as set out in standard specifications.)

REINFORCEMENT IN THE "C" PORTION SHALL BE THE SAME AS SPECIFIED FOR REINFORCED CONCRETE, A.S.T.M. DESIGNATION C-76 FOR THE SIZE OF CONNECTING PIPE. (as set out in standard specifications.)

REINFORCEMENT IN THE "D" PORTION SHALL HAVE A CROSS SECTIONAL AREA EQUAL TO THAT OF ONE LAYER OF STEEL IN THE "C" PORTION.

THE END OF THE PIPE CULVERT SHALL BE PLACED IN THE CONCRETE END SECTION SO THAT THE FLOW LINES ARE FLUSH. THE JOINT SHALL BE COMPLETELY FILLED WITH MORTAR.

IN 3:1 OR 4:1 FILL SLOPE, CHANGE TO THE SLOPE OF THE END SECTION IN A SMOOTH, PLEASING TRANSITION APPROXIMATELY 10'-0" IN LENGTH.

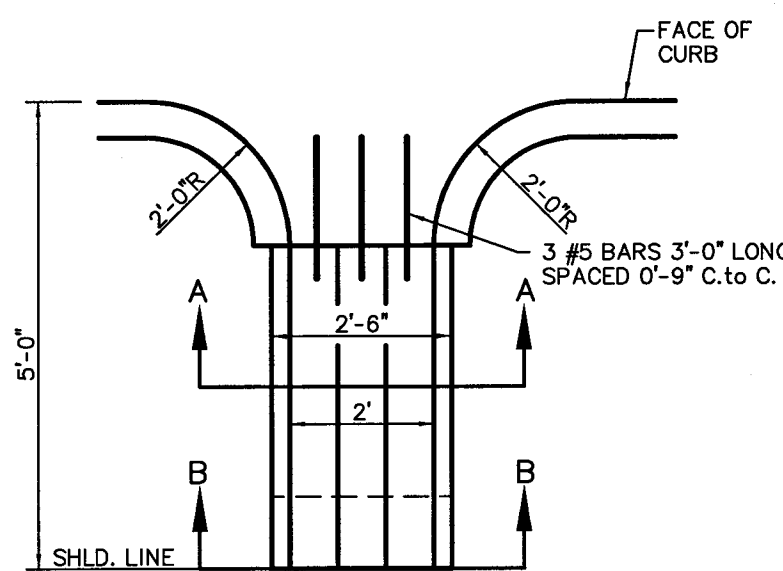
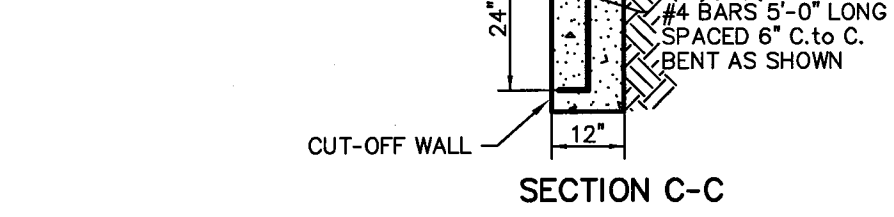
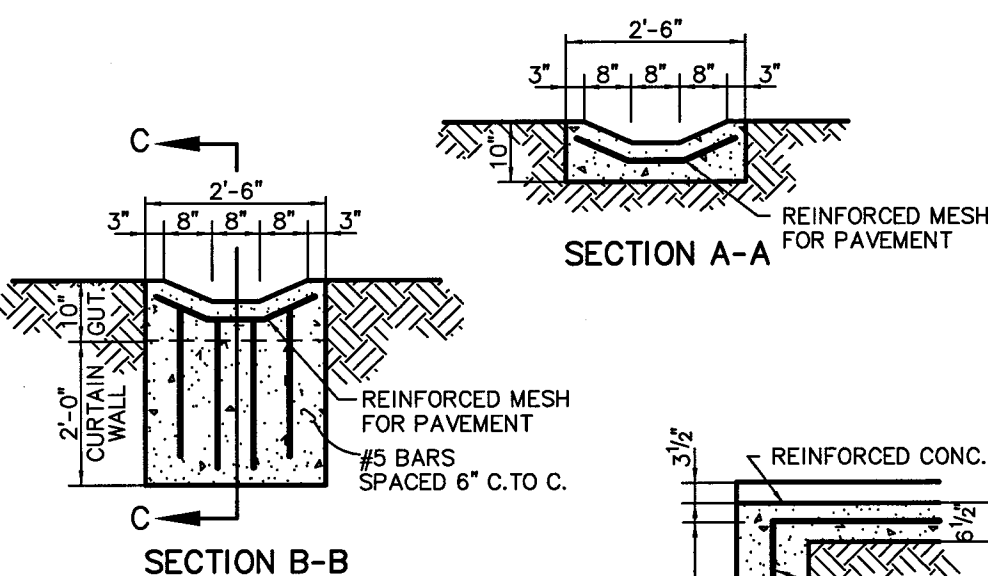
VARIATIONS IN DIMENSIONS - THE THICKNESS OR THE CONCRETE, THE POSITION OF STEEL, AND THE INTERNAL DIAMETER OF THE PIPE SHALL CONFORM WITH THE VARIATIONS IN DIMENSIONS AS PROVIDED IN THE SPECIFICATIONS FOR REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, A.S.T.M. DESIGNATION C-76.

WHERE VITRIFIED CLAY CULVERT OR CAST IRON CULVERT PIPE IS USED, A "PIPE END SECTION" COMPAREABLE TO THAT AS SHOWN FOR METAL OR CONCRETE SHALL BE FURNISHED AND SHALL BE AS APPROVED BY THE ENGINEER. EXCEPT IN AREAS OF ACID OR MINE WATER, THEN THE USE OF METAL END SECTION IS PROHIBITED.

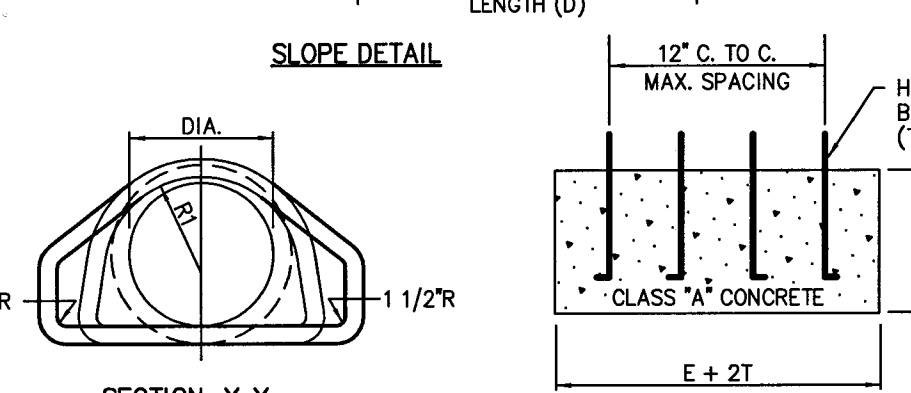
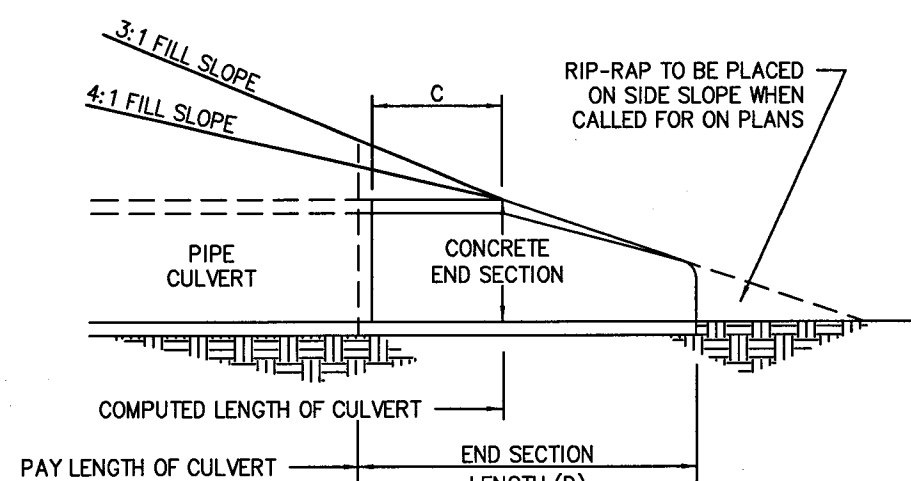
END SECTIONS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "PIPE END SECTION" COMPLETE IN PLACE AND ACCEPTED.

CONCRETE PIPE TOE ANCHORS SHALL BE REQUIRED ON ALL CONCRETE PIPE END SECTIONS.

**PRECAST CONCRETE END SECTION**  
NOT TO SCALE



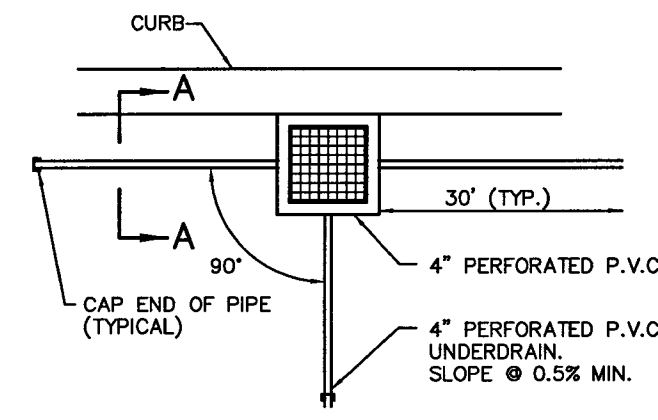
**CURB TURNOUT**  
NOT TO SCALE



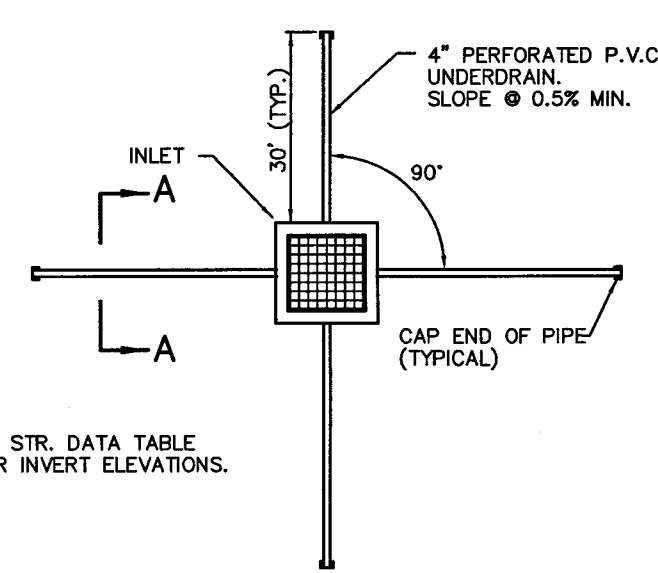
**SECTION Y-Y**  
**CONCRETE PIPE TOE ANCHOR**

| DIA. | T (MIN.) | A*  | C*     | D*    | E*    | K   | R1       | R2      | APPROX. WEIGHT |
|------|----------|-----|--------|-------|-------|-----|----------|---------|----------------|
| 12"  | 2"       | 5"  | 4'-3"  | 6'-2" | 2'-0" | 1.3 | 10 1/8"  | 9"      | 800            |
| 15"  | 2 1/4"   | 7"  | 4'-0"  | 6'-3" | 2'-6" | 1.5 | 12 1/2"  | 11"     | 1100           |
| 18"  | 2 1/2"   | 11" | 4'-1"  | 6'-2" | 3'-0" | 1.8 | 15 1/2"  | 12"     | 1300           |
| 21"  | 2 3/4"   | 11" | 3'-6"  | 6'-3" | 3'-6" | 2.1 | 16 1/8"  | 13"     | 1500           |
| 24"  | 3"       | 12" | 2'-8"  | 6'-3" | 4'-0" | 2.3 | 16 3/16" | 14"     | 1800           |
| 27"  | 3 1/4"   | 13" | 2'-5"  | 6'-3" | 4'-6" | 2.6 | 18 3/16" | 14 1/2" | 2100           |
| 30"  | 3 1/2"   | 14" | 1'-10" | 6'-3" | 5'-0" | 2.9 | 18 1/2"  | 15"     | 2400           |
| 33"  | 3 3/4"   | 15" | 3'-6"  | 8'-3" | 5'-6" | 3.1 | 23 3/4"  | 17 1/2" | 4100           |
| 36"  | 4"       | 17" | 3'-1"  | 8'-3" | 6'-0" | 3.4 | 24 3/16" | 20"     | 4200           |

\* TOLERANCE  $\pm 1"$

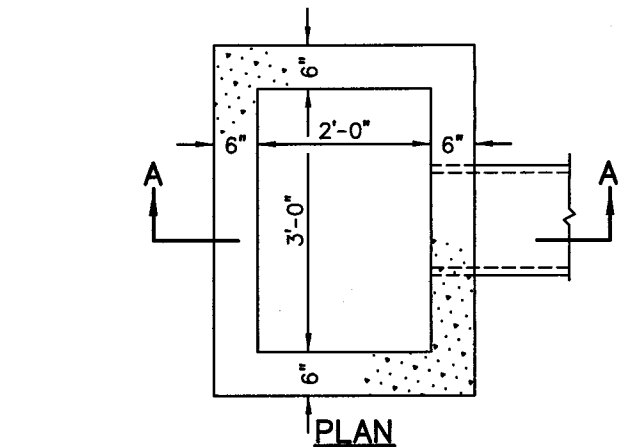


**PLAN VIEW - CURB INLET**

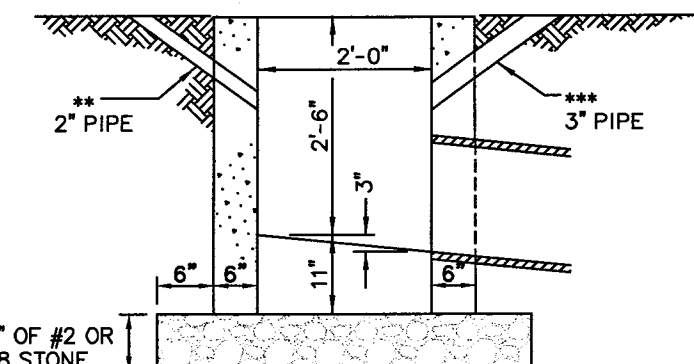


**PLAN VIEW - INLET IN PARKING LOT**

**NOTE:**  
1. SEE STR. DATA TABLE FOR INVERT ELEVATIONS.



**PLAN**



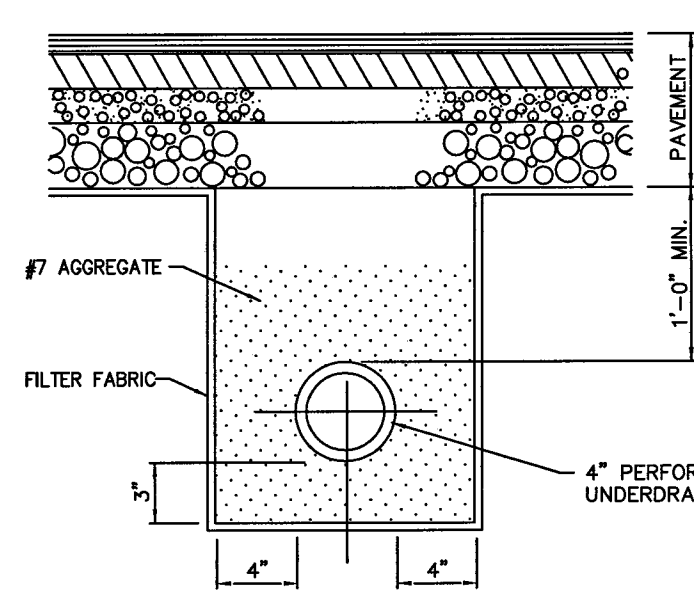
**SECTION A-A**

\*\* 2" PIPE DRAIN FROM BOTTOM OF CURB TO INLET AGGREGATE TO BE PLACED AROUND INLET END OF PIPE

\*\*\* 3" MIN. DIA. PIPE TO BE KEPT OPEN FOR DRAINAGE OF SUBGRADE OR BASE UNTIL SURFACE IS PLACED.

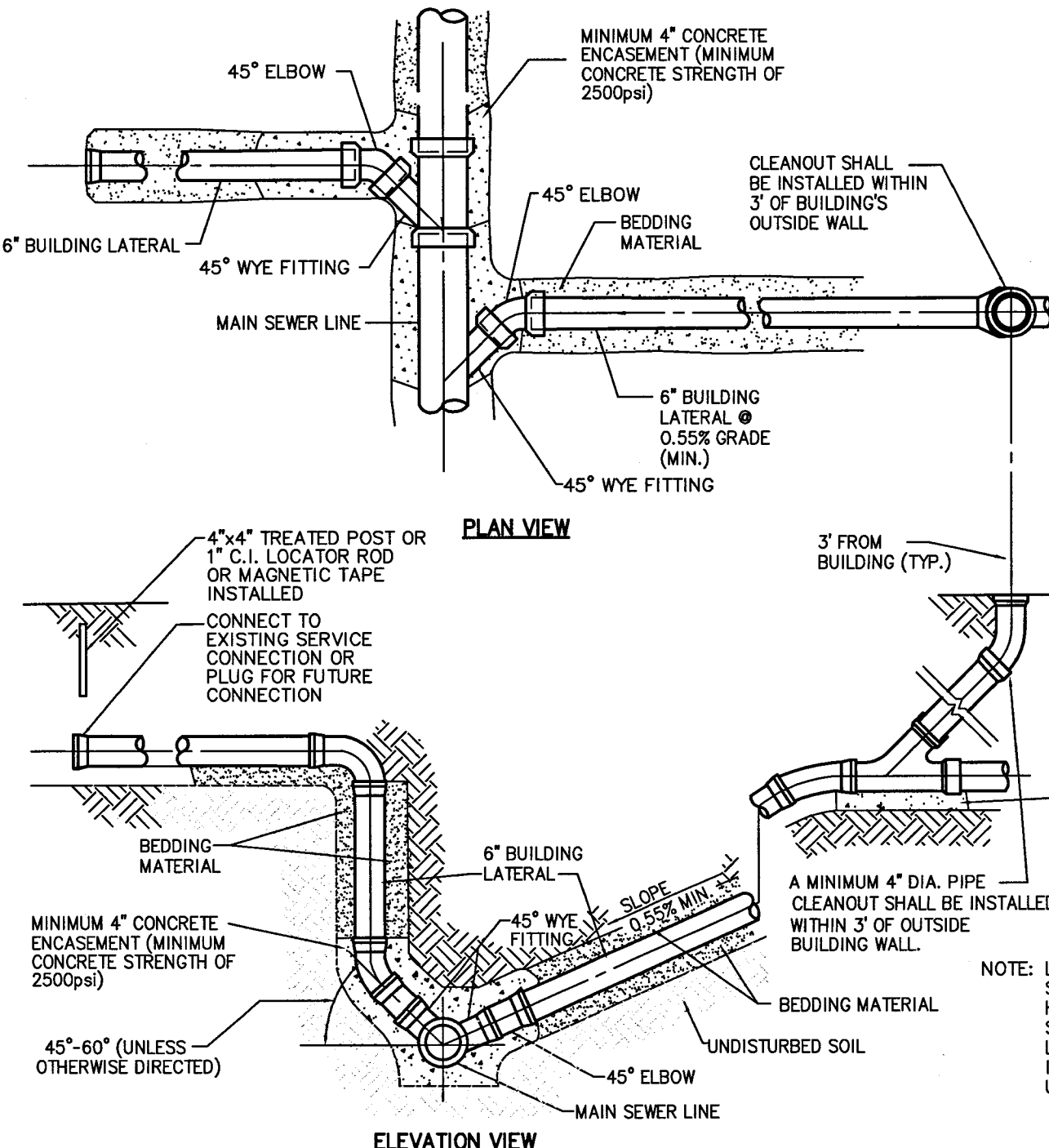
**TYPE "J" INLET**

NOT TO SCALE



**SECTION A-A**

**PAVEMENT UNDERDRAIN DETAIL**  
NOT TO SCALE



**LATERAL CONNECTION**  
NOT TO SCALE

## SITE DETAILS

PREPARED FOR:  
**TIPPMANN CONSTRUCTION INC.**  
9009 COLDWATER ROAD  
FT. WAYNE, INDIANA 46825

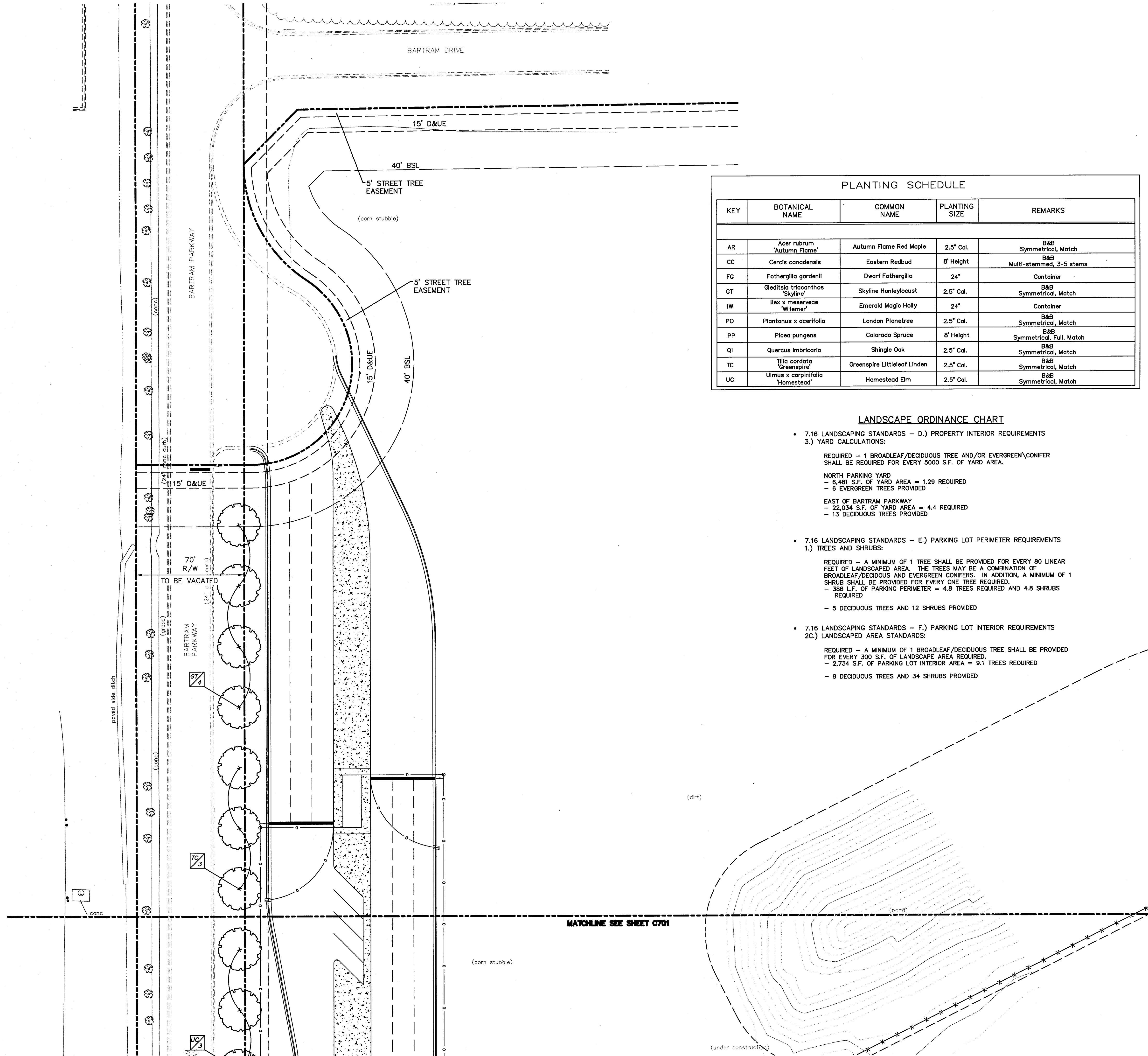
PROJECT:  
**TRUCK DRIVE  
INTERSTATE WAREHOUSE FACILITY  
FRANKLIN, INDIANA**

DATE:  
DRAWN BY: DCR  
CHK'D BY: WAB  
JOB NO. 201200731

| REVISIONS |
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|           |
|           |
|           |

SHEET NO.  
**C.601**  
OF





#### PLANTING SCHEDULE

| KEY | BOTANICAL NAME                   | COMMON NAME                  | PLANTING SIZE | REMARKS                      |
|-----|----------------------------------|------------------------------|---------------|------------------------------|
| AR  | Acer rubrum 'Autumn Flame'       | Autumn Flame Red Maple       | 2.5" Cal.     | B&B Symmetrical, Match       |
| CC  | Cercis canadensis                | Eastern Redbud               | 8' Height     | B&B Multi-stemmed, 3-5 stems |
| FG  | Fothergilla gardenii             | Dwarf Fothergilla            | 24"           | Container                    |
| GT  | Gleditsia triacanthos 'Skyline'  | Skyline Honeylocust          | 2.5" Cal.     | B&B Symmetrical, Match       |
| IW  | Ilex x meserveae 'Willmer'       | Emerald Magic Holly          | 24"           | Container                    |
| PO  | Plantanus x acerifolia           | London Planetree             | 2.5" Cal.     | B&B Symmetrical, Match       |
| PP  | Picea pungens                    | Colorado Spruce              | 8' Height     | B&B Symmetrical, Full, Match |
| QI  | Quercus imbricaria               | Shingle Oak                  | 2.5" Cal.     | B&B Symmetrical, Match       |
| TC  | Tilia cordata 'Greenspire'       | Greenspire Littleleaf Linden | 2.5" Cal.     | B&B Symmetrical, Match       |
| UC  | Ulmus x carpinifolia 'Homestead' | Homestead Elm                | 2.5" Cal.     | B&B Symmetrical, Match       |

#### LANDSCAPE ORDINANCE CHART

- 7.16 LANDSCAPING STANDARDS - D.) PROPERTY INTERIOR REQUIREMENTS  
3.) YARD CALCULATIONS:  
REQUIRED - 1 BROADLEAF/DECIDUOUS TREE AND/OR EVERGREEN/CONIFER SHALL BE REQUIRED FOR EVERY 5000 S.F. OF YARD AREA.  
NORTH PARKING YARD  
- 6,481 S.F. OF YARD AREA = 1.29 REQUIRED  
- 6 EVERGREEN TREES PROVIDED  
EAST OF BARTRAM PARKWAY  
- 22,034 S.F. OF YARD AREA = 4.4 REQUIRED  
- 13 DECIDUOUS TREES PROVIDED
- 7.16 LANDSCAPING STANDARDS - E.) PARKING LOT PERIMETER REQUIREMENTS  
1.) TREES AND SHRUBS:  
REQUIRED - A MINIMUM OF 1 TREE SHALL BE PROVIDED FOR EVERY 80 LINEAR FEET OF LANDSCAPED AREA. THE TREES MAY BE A COMBINATION OF BROADLEAF/DECIDUOUS AND EVERGREEN CONIFERS. IN ADDITION, A MINIMUM OF 1 SHRUB SHALL BE PROVIDED FOR EVERY ONE TREE REQUIRED.  
- 386 L.F. OF PARKING PERIMETER = 4.8 TREES REQUIRED AND 4.8 SHRUBS REQUIRED  
- 5 DECIDUOUS TREES AND 12 SHRUBS PROVIDED
- 7.16 LANDSCAPING STANDARDS - F.) PARKING LOT INTERIOR REQUIREMENTS  
2C.) LANDSCAPED AREA STANDARDS:  
REQUIRED - A MINIMUM OF 1 BROADLEAF/DECIDUOUS TREE SHALL BE PROVIDED FOR EVERY 300 S.F. OF LANDSCAPED AREA REQUIRED.  
- 2,734 S.F. OF PARKING LOT INTERIOR AREA = 9.1 TREES REQUIRED  
- 9 DECIDUOUS TREES AND 34 SHRUBS PROVIDED

#### PROPOSED SITE LEGEND

- DECIDUOUS SHADE TREE
- EVERGREEN TREE
- ORNAMENTAL TREE
- SHRUBS
- PLANT TAG (REFER TO SHEET C.700 FOR PLANT SCHEDULE)
- MULCH BED/SPACE EDGTE (DOUBLE-SHREDDED HARDWOOD BARK MULCH)

#### PLANTING NOTES:

- CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS IN THE FIELD PRIOR TO BEGINNING WORK. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO UTILITIES ASSOCIATED WITH WORK. UTILITIES SHALL BE REPAIRED TO SATISFACTION OF THE UTILITY OWNER AND/OR OPERATING AUTHORITY AT NO ADDITIONAL COST.
- A MINIMUM OF 4" OF TOPSOIL SHALL BE PLACED ON ALL AREAS TO BE SEED AND 12" FOR PLANTING BEDS. USE SUITABLE TOPSOIL FROM STOCKPILED SITE STRIPPING. TOPSOIL SHALL BE FREE FROM SUBSOIL, VEGETATION, WEEDS OR ANY EXTRANEOUS OR DELETERIOUS MATERIALS LARGER THAN 1". REMOVE ANY UNSUITABLE AND EXCESS TOPSOIL, AS DETERMINED BY SOILS ENGINEER, FROM THE SITE. FURNISH ANY ADDITIONAL TOPSOIL NEEDED AT NO ADDITIONAL COST. ADDED TOPSOIL SHALL BE INCORPORATED INTO EXISTING SOIL.
- IN CASE OF DISCREPANCIES BETWEEN THE PLAN AND THE PLANT LIST, THE PLAN SHALL DICTATE. IF IN QUESTION, CONTACT THE LANDSCAPE ARCHITECT.
- ALL PLANTING BEDS SHALL HAVE A 3" THICK LAYER OF SHREDDED HARDWOOD BARK MULCH. NO UTILITY MULCH OR PROCESSED TREE TRIMMINGS WILL BE ALLOWED. ALL PLANTING BEDS SHALL HAVE PRE-EMERGENT HERBICIDE, APPLIED AS PER MANUFACTURER'S RECOMMENDATION, AFTER INSTALLATION IS COMPLETE.
- FINAL PLACEMENT OF PLANT MATERIALS, ETC. SHALL BE APPROVED BY LANDSCAPE ARCHITECT BEFORE PLANTING OPERATIONS ARE TO PROCEED. ALL TREE LOCATIONS SHALL BE MARKED WITH A WOODEN STAKE INDICATING VARIETY AND SIZE OF TREE.
- NO SUBSTITUTIONS OF PLANT MATERIAL WILL BE ALLOWED. IF PLANTS ARE SHOWN TO BE UNAVAILABLE, THE CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT PRIOR TO BID DATE IN WRITING. ALL PLANTS SHALL BE INSPECTED AND TAGGED WITH PROJECT IDENTIFICATION AT NURSERY OR CONTRACTOR'S OPERATION PRIOR TO MOVING TO JOB SITE. PLANTS MAY ALSO BE INSPECTED AND APPROVED OR REJECTED ON THE JOB SITE.
- ALL PLANTS ARE TO MEET OR EXCEED AMERICAN STANDARDS FOR NURSERY STOCK, 2004 EDITION, AS SET FORTH BY AMERICAN ASSOCIATION OF NURSEYMEN.
- PLANTS AND ALL OTHER MATERIALS TO BE STORED ON SITE WILL BE PLACED WHERE THEY WILL NOT CONFLICT WITH CONSTRUCTION AND AS DIRECTED BY OWNER.
- ALL NEW LANDSCAPE PLANTINGS SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FOLLOWING FINAL INSPECTION BY LANDSCAPE ARCHITECT. AT END OF THIS PERIOD, PLANT MATERIAL TERMED DEAD OR UNSATISFACTORY BY LANDSCAPE ARCHITECT SHALL BE REPLACED AT NO ADDITIONAL CHARGE BY THE LANDSCAPE CONTRACTOR.
- ALL DISTURBED LAWN AREAS SHALL BE HYDRO-SEED OR SODDED AS SHOWN PER PLAN.
- HYDRO-SEED AND SOD AREAS ARE TO BE GRADED UNIFORMLY WITHOUT ANY UNDULATIONS OR IRREGULARITIES IN THE SURFACE PRIOR TO ANY HYDRO-SEED OR SOD WORK.
- ALL HYDRO-SEED AND SOD IS TO BE A BLUEGRASS BLEND AS FOLLOWS: HYDRO-SEED AND SOD AREAS ARE TO HAVE 0% NOXIOUS WEED AND FREE OF DISEASE. THE FOLLOWING BLEND OF TURFGRASS SHALL BE AS FOLLOWS:
  - FULL SUN
    - KENTUCKY BLUEGRASS (2 VARIETIES): 50%
    - PERENNIAL RYEGRASS (2 VARIETIES): 50%
  - PARTIAL SHADE
    - KENTUCKY BLUEGRASS (1 VARIETIES): 10%
    - PERENNIAL RYEGRASS (1 VARIETIES): 35%
    - RED FESCUE GRASS (2 VARIETIES): 55%

#### CAUTION !!

THE LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED UPON ABOVE GROUND EVIDENCE ( including, but not limited to, manholes, inlets, valves, and marks made upon the ground by others ) AND ARE SPECULATIVE IN NATURE. THERE MAY ALSO BE OTHER EXISTING UNDERGROUND UTILITIES FOR WHICH THERE IS NO ABOVE GROUND EVIDENCE OR FOR WHICH NO ABOVE GROUND EVIDENCE WAS OBSERVED. THE EXACT LOCATIONS OF SAID EXISTING UNDERGROUND UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY AND ALL CONSTRUCTION.

1-800-382-5544  
CALL TOLL FREE  
- INDIANA UNDERGROUND -

CERTIFIED BY

#### LANDSCAPE PLAN

PREPARED FOR:  
**TIPPMANN CONSTRUCTION INC.**  
9009 COLDWATER ROAD  
FT. WAYNE, INDIANA 46825

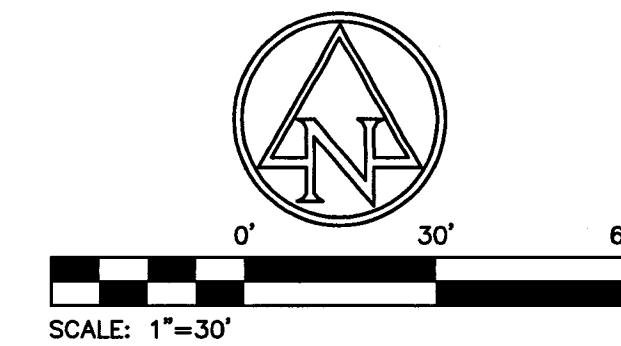
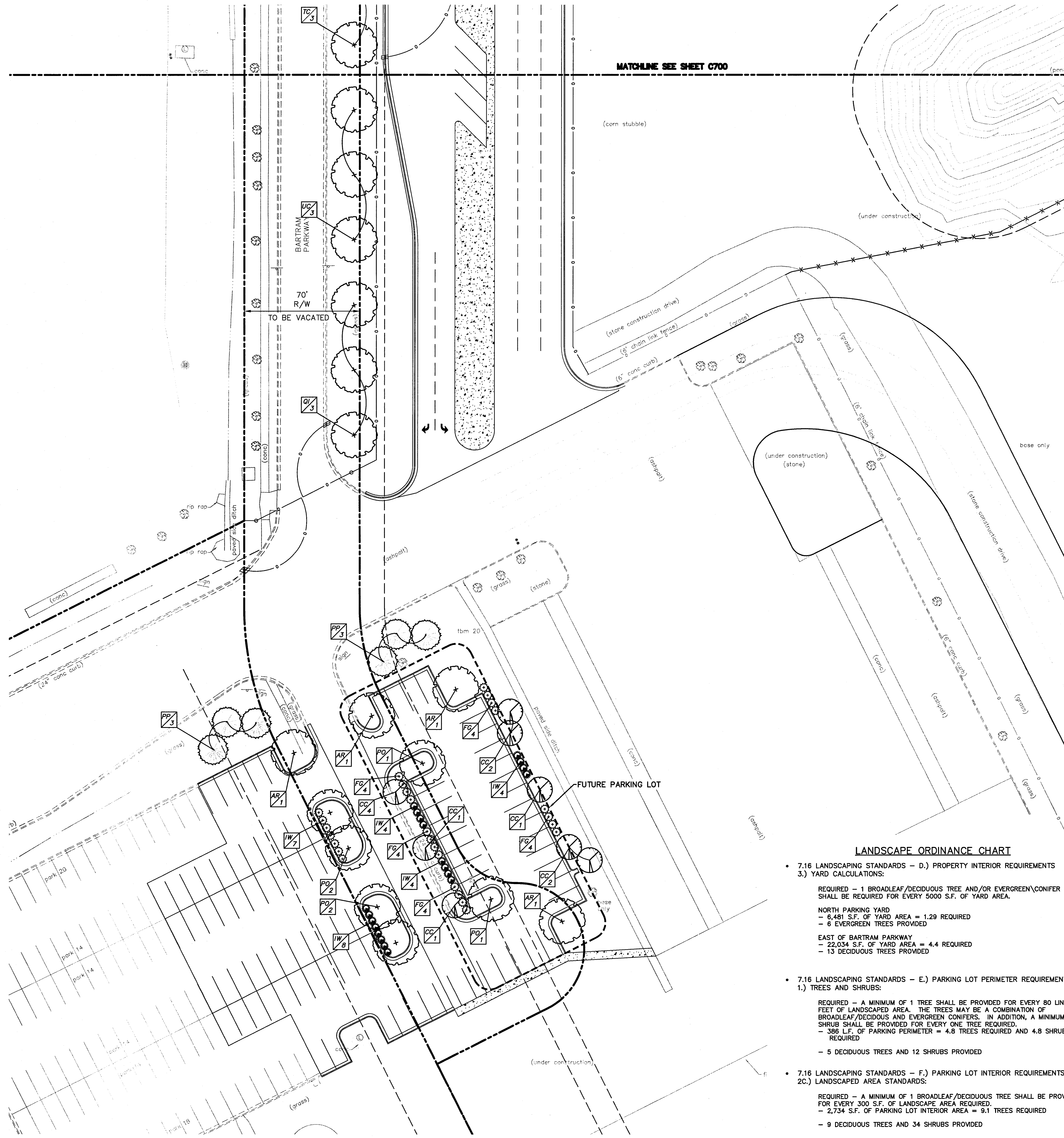
PROJECT:  
**INTERSTATE WAREHOUSE FACILITY**  
FRANKLIN, INDIANA

DATE:  
DRAWN BY: DCR  
CHK'D BY: WAB  
JOB NO. 201200731

| REVISIONS |
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SHEET NO.  
**C.700**  
OF





PROPOSED SITE LEGEND

- DECIDUOUS SHADE TREE
- EVERGREEN TREE
- ORNAMENTAL TREE
- SHRUBS
- PLANT TAG (REFER TO SHEET C.700 FOR PLANT SCHEDULE)
- MULCH BED/SPACE EDGTE (DOUBLE-SHREDDED HARDWOOD BARK MULCH)

PLANTING NOTES:

- CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS IN THE FIELD PRIOR TO BEGINNING WORK. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO UTILITIES ASSOCIATED WITH WORK. UTILITIES SHALL BE REPAIRED TO SATISFACTION OF THE UTILITY OWNER AND/OR OPERATING AUTHORITY AT NO ADDITIONAL COST.
- A MINIMUM OF 4" OF TOPSOIL SHALL BE PLACED ON ALL AREAS TO BE SEED AND 12" FOR PLANTING BEDS. USE SUITABLE TOPSOIL FROM STOCKPILED SITE STRIPPING. TOPSOIL SHALL BE FREE FROM SUBSOIL, VEGETATION, WEEDS OR ANY EXTRANEOUS OR DELETERIOUS MATERIALS LARGER THAN 1". REMOVE ANY UNSUITABLE AND EXCESS TOPSOIL, AS DETERMINED BY SOILS ENGINEER, FROM THE SITE. FURNISH ANY ADDITIONAL TOPSOIL NEEDED AT NO ADDITIONAL COST. ADDED TOPSOIL SHALL BE INCORPORATED INTO EXISTING SOIL.
- IN CASE OF DISCREPANCIES BETWEEN THE PLAN AND THE PLANT LIST, THE PLAN SHALL DICTATE. IF IN QUESTION, CONTACT THE LANDSCAPE ARCHITECT.
- ALL PLANTING BEDS SHALL HAVE A 3" THICK LAYER OF SHREDDED HARDWOOD BARK MULCH. NO UTILITY MULCH OR PROCESSED TREE TRIMMINGS WILL BE ALLOWED. ALL PLANTING BEDS SHALL HAVE PRE-EMERGENT HERBICIDE APPLIED AS PER MANUFACTURER'S RECOMMENDATION, AFTER INSTALLATION IS COMPLETE.
- FINAL PLACEMENT OF PLANT MATERIALS, ETC. SHALL BE APPROVED BY LANDSCAPE ARCHITECT BEFORE PLANTING OPERATIONS ARE TO PROCEED. ALL TREE LOCATIONS SHALL BE MARKED WITH A WOODEN STAKE INDICATING VARIETY AND SIZE OF TREE.
- NO SUBSTITUTIONS OF PLANT MATERIAL WILL BE ALLOWED. IF PLANTS ARE SHOWN TO BE UNAVAILABLE, THE CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT PRIOR TO BID DATE IN WRITING. ALL PLANTS SHALL BE INSPECTED AND TAGGED WITH PROJECT IDENTIFICATION AT NURSERY OR CONTRACTOR'S OPERATION PRIOR TO MOVING TO JOB SITE. PLANTS MAY ALSO BE INSPECTED AND APPROVED OR REJECTED ON THE JOB SITE.
- ALL PLANTS ARE TO MEET OR EXCEED AMERICAN STANDARDS FOR NURSERY STOCK, 2004 EDITION, AS SET FORTH BY AMERICAN ASSOCIATION OF NURSEYMEN.
- PLANTS AND ALL OTHER MATERIALS TO BE STORED ON SITE WILL BE PLACED WHERE THEY WILL NOT CONFLICT WITH CONSTRUCTION AND AS DIRECTED BY OWNER.
- ALL NEW LANDSCAPE PLANTINGS SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FOLLOWING FINAL INSPECTION BY LANDSCAPE ARCHITECT. AT END OF THIS PERIOD, PLANT MATERIAL TERMED DEAD OR UNSATISFACTORY BY LANDSCAPE ARCHITECT SHALL BE REPLACED AT NO ADDITIONAL CHARGE BY THE LANDSCAPE CONTRACTOR.
- ALL DISTURBED LAWN AREAS SHALL BE HYDRO-SEEDED OR SODDED AS SHOWN PER PLAN.
- HYDRO-SEED AND SOD AREAS ARE TO BE GRADED UNIFORMLY WITHOUT ANY UNDULATIONS OR IRREGULARITIES IN THE SURFACE PRIOR TO ANY HYDRO-SEED OR SOD WORK.
- ALL HYDRO-SEED AND SOD IS TO BE A BLUEGRASS BLEND AS FOLLOWS: HYDRO-SEED AND SOD AREAS ARE TO HAVE 0% NOXIOUS WEED AND FREE OF DISEASE. THE FOLLOWING BLEND OF TURFGRASS SHALL BE AS FOLLOWS:
  - FULL SUN
    - KENTUCKY BLUEGRASS (2 VARIETIES): 50%
    - PERENNIAL RYEGRASS (2 VARIETIES): 50%
  - PARTIAL SHADE
    - KENTUCKY BLUEGRASS (1 VARIETIES): 10%
    - PERENNIAL RYEGRASS (1 VARIETIES): 35%
    - RED FESCUE GRASS (2 VARIETIES): 55%

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- 7.16 LANDSCAPING STANDARDS - D.) PROPERTY INTERIOR REQUIREMENTS 3.) YARD CALCULATIONS:
  - REQUIRED - 1 BROADLEAF/DECIDUOUS TREE AND/OR EVERGREEN/CONIFER SHALL BE REQUIRED FOR EVERY 5000 S.F. OF YARD AREA.
  - NORTH PARKING YARD
    - 6,481 S.F. OF YARD AREA = 1.29 REQUIRED
    - 6 EVERGREEN TREES PROVIDED
  - EAST OF BARTRAM PARKWAY
    - 22,034 S.F. OF YARD AREA = 4.4 REQUIRED
    - 13 DECIDUOUS TREES PROVIDED
- 7.16 LANDSCAPING STANDARDS - E.) PARKING LOT PERIMETER REQUIREMENTS 1.) TREES AND SHRUBS:
  - REQUIRED - A MINIMUM OF 1 TREE SHALL BE PROVIDED FOR EVERY 80 LINEAR FEET OF LANDSCAPED AREA. THE TREES MAY BE A COMBINATION OF BROADLEAF/DECIDUOUS AND EVERGREEN CONIFERS. IN ADDITION, A MINIMUM OF 1 SHRUB SHALL BE PROVIDED FOR EVERY ONE TREE REQUIRED.
  - 386 L.F. OF PARKING PERIMETER = 4.8 TREES REQUIRED AND 4.8 SHRUBS REQUIRED
  - 5 DECIDUOUS TREES AND 12 SHRUBS PROVIDED
- 7.16 LANDSCAPING STANDARDS - F.) PARKING LOT INTERIOR REQUIREMENTS 2C.) LANDSCAPED AREA STANDARDS:
  - REQUIRED - A MINIMUM OF 1 BROADLEAF/DECIDUOUS TREE SHALL BE PROVIDED FOR EVERY 300 S.F. OF LANDSCAPE AREA REQUIRED.
  - 2,734 S.F. OF PARKING LOT INTERIOR AREA = 9.1 TREES REQUIRED
  - 9 DECIDUOUS TREES AND 34 SHRUBS PROVIDED

**CAUTION !!**  
THE LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED UPON ABOVE GROUND EVIDENCE (including, but not limited to, manholes, inlets, valves, and marks made upon the ground by others) AND ARE SPECULATIVE IN NATURE. THERE MAY ALSO BE OTHER EXISTING UNDERGROUND UTILITIES FOR WHICH THERE IS NO ABOVE GROUND EVIDENCE OR FOR WHICH NO ABOVE GROUND EVIDENCE WAS OBSERVED. THE EXACT LOCATIONS OF SAID EXISTING UNDERGROUND UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY AND ALL CONSTRUCTION.

1-800-382-5544  
CALL TOLL FREE  
INDIANA UNDERGROUND

7260 SHADELAND STATION  
INDIANAPOLIS, IN 46266-3857  
TEL 317 547 5580 FAX 317 543 0270  
www.structurepoint.com

AMERICAN  
**STRUCTUREPOINT**  
INC.

CERTIFIED BY

LANDSCAPE PLAN

PREPARED FOR:  
**TIPPMANN CONSTRUCTION INC.**  
9009 COLDWATER ROAD  
FT. WAYNE, INDIANA 46825

PROJECT:  
**TRUCK DRIVE  
INTERSTATE WAREHOUSE FACILITY  
FRANKLIN, INDIANA**

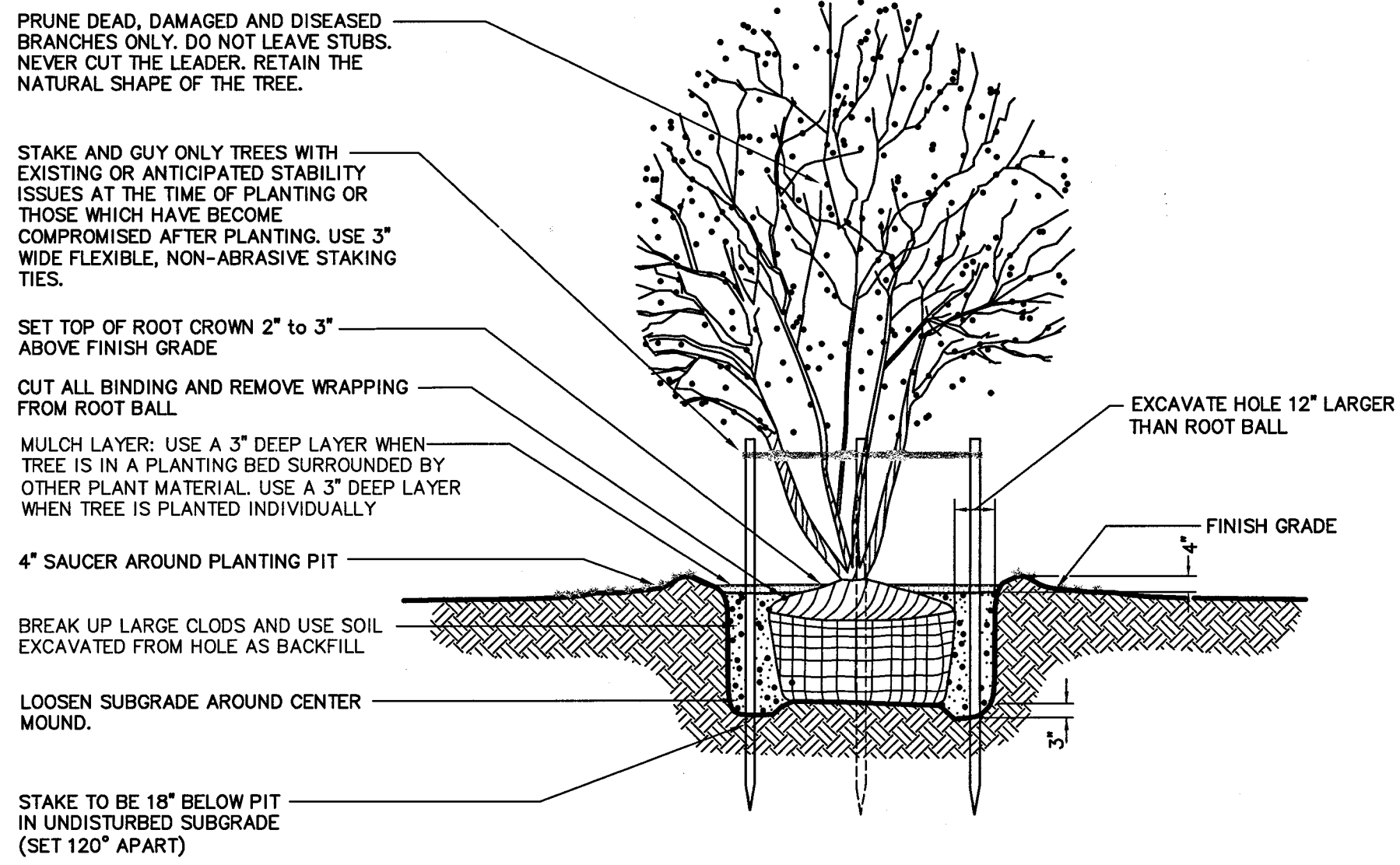
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REVISIONS

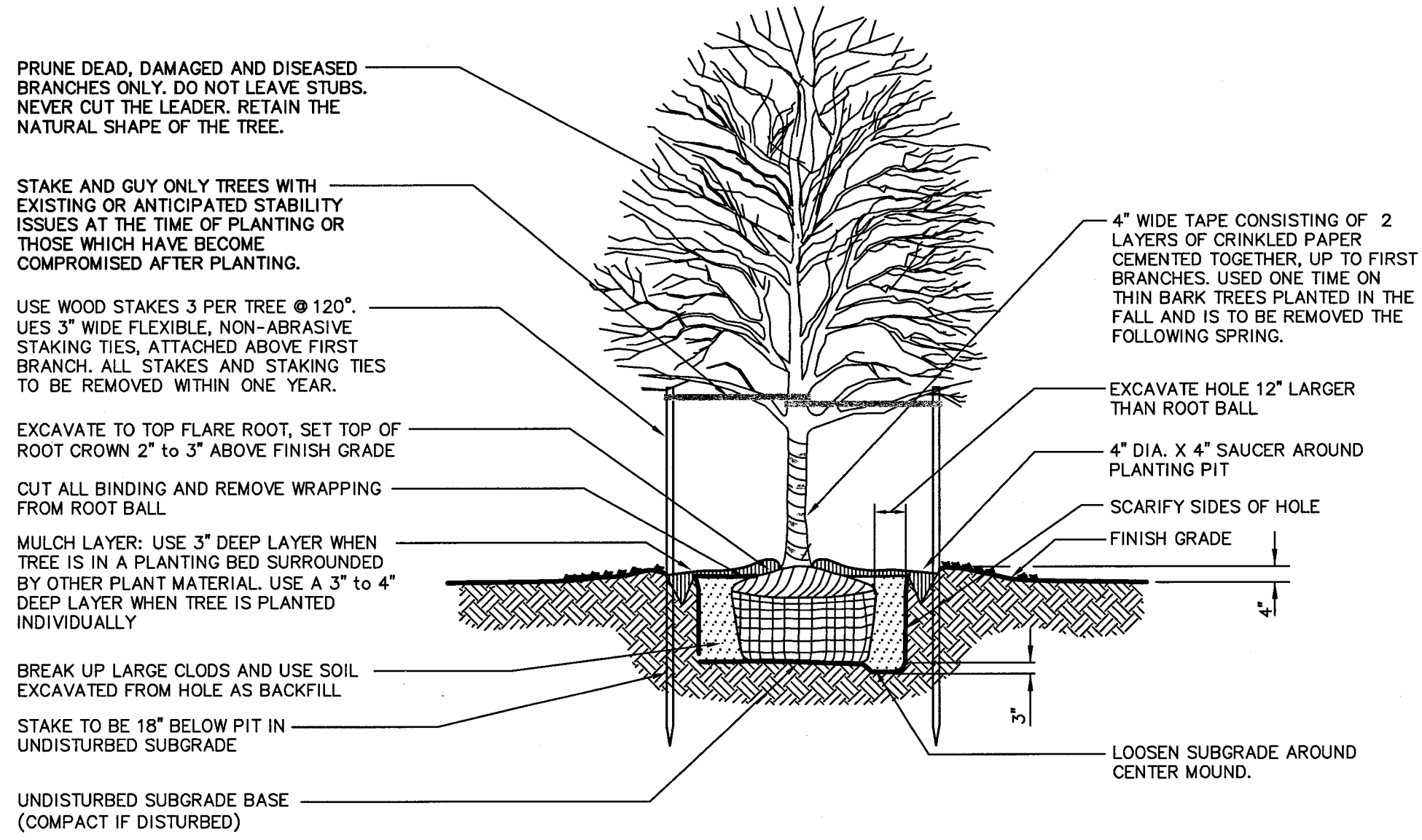
SHEET NO.  
**C.701**  
OF



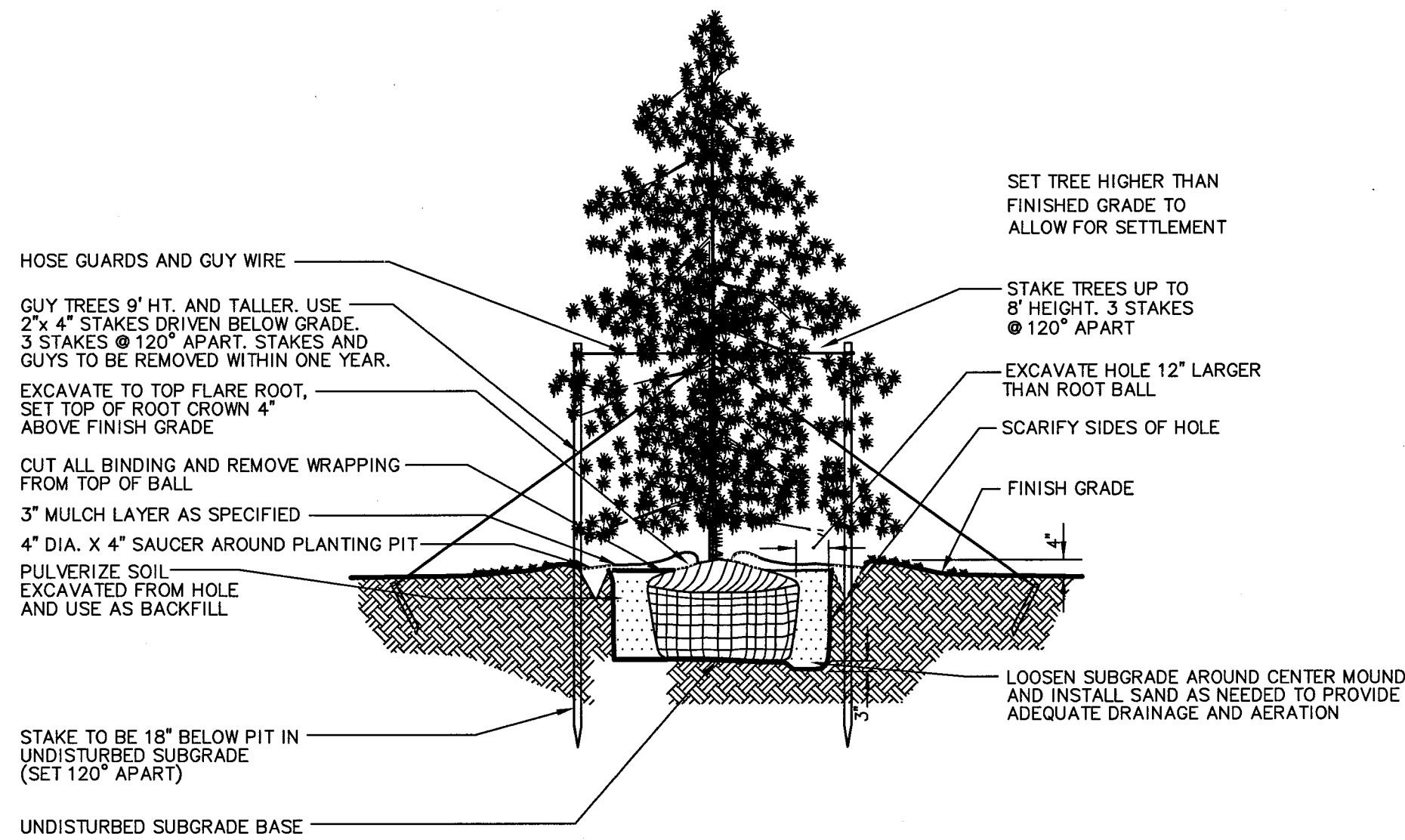
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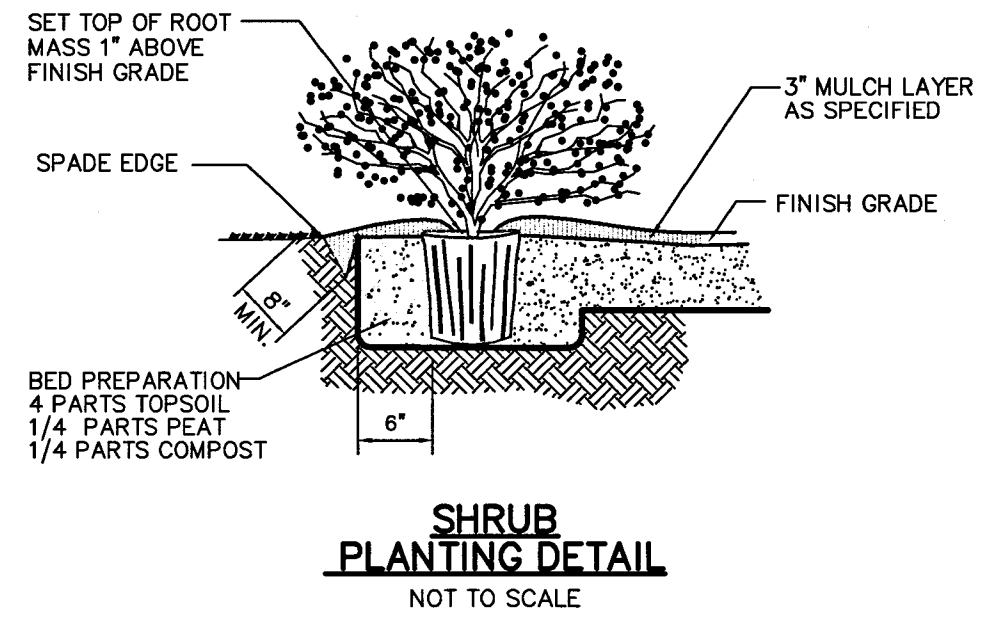
**MULTI-STEM TREE PLANTING DETAIL**  
NOT TO SCALE



**SHADE TREE PLANTING DETAIL**  
NOT TO SCALE



**EVERGREEN TREE PLANTING DETAIL**  
NOT TO SCALE



**LANDSCAPE DETAILS**

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