

DIRECTORY.....F:\2011\11-2763 73rd & Pennridge\DESIGN\DRAWINGS\TITLE SHEETS\ L1SCALE.....10
FILE.....TITLE_SHT.dwg DIMSCALE..1
PLOTTED BY:EGoodnight
DATE.....Dec 09,2011 -- 12:14pm

73rd & PENNRIDGE DRIVE DRAINAGE IMPROVEMENTS DPW PROJECT SD-00-043E

CITY OF INDIANAPOLIS, IN.

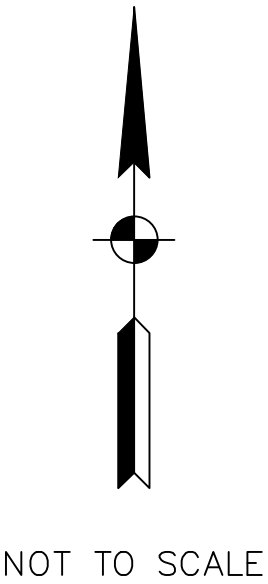
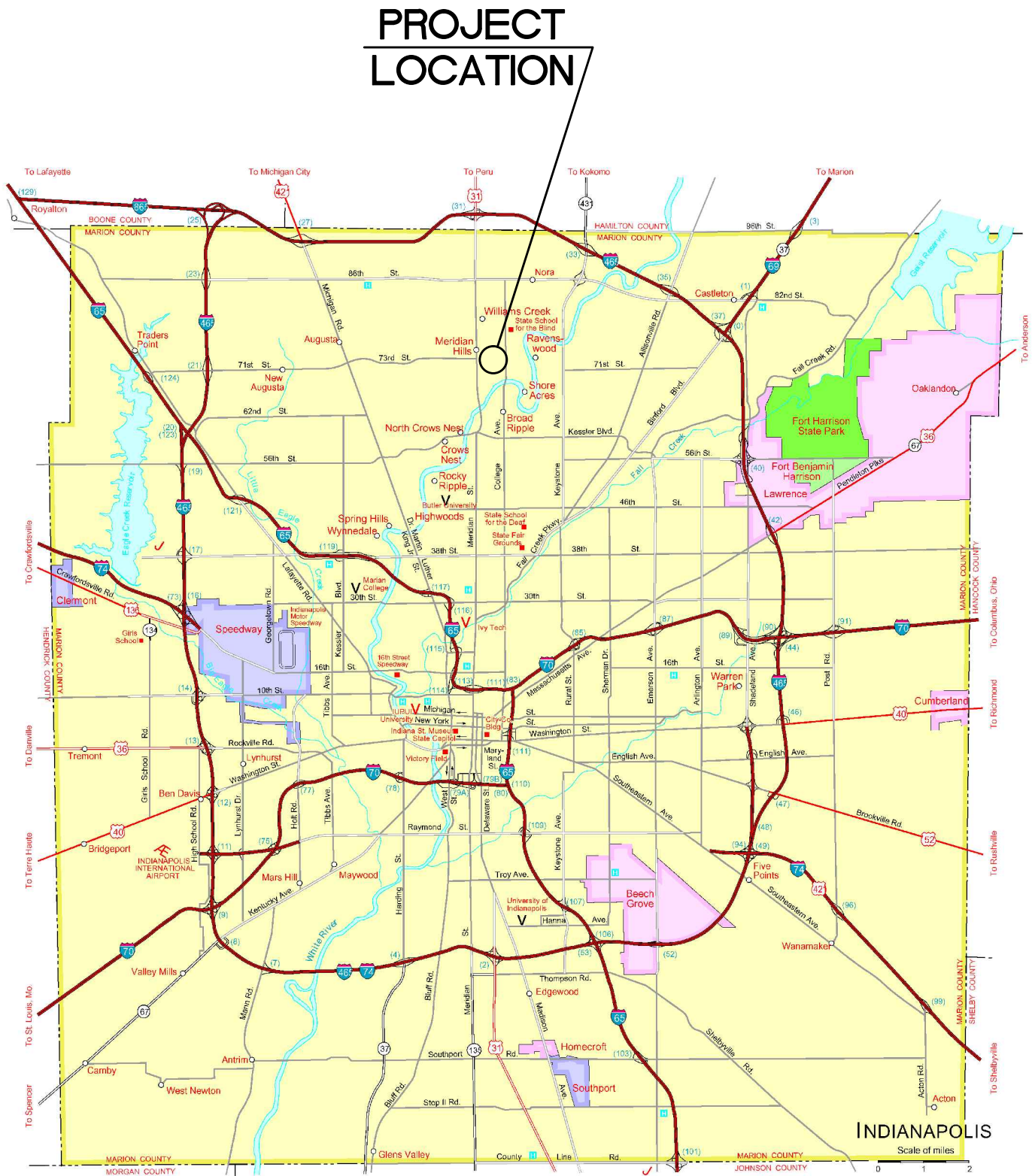
LONGITUDE: W 86°9'14"
LATITUDE: N 39°53'14"

DRAWING INDEX	
NUMBER	DESCRIPTION
1	TITLE SHEET
2	EXISTING TOPOGRAPHICAL SURVEY
3	PROPOSED DRAINAGE IMPROVEMENTS
4	MISCELLANEOUS DETAILS – HYBRID DITCH DETAIL
5	MISCELLANEOUS DETAILS – DRAINAGE IMPROVEMENTS
6	MOT SHEET

REVISIONS		
DATE	DESCRIPTION	BY



LOCATION MAP
MARION COUNTY
WASHINGTON TWP.
T17N-R3E-SEC 26





Indianapolis

Gregory A. Ballard, Mayor

REBUILDINDY

Department of Public Works

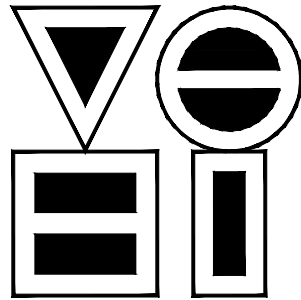
CITY OF INDIANAPOLIS

DEPARTMENT OF PUBLIC WORKS

THE HONORABLE GREGORY A. BALLARD, MAYOR

DAVID SHERMAN, DPW DIRECTOR

[CITY OF INDIANAPOLIS STORMWATER
DESIGN & CONSTRUCTION MANUAL
TO BE USED WITH THESE PLANS]



VS ENGINEERING, INC.
4275 North High School Road
vsei@vsengineering.com
Phone: (317) 293-3542
Indianapolis, Indiana 46254
www.vsengineering.com
Fax: (317) 293-4737

PLANS
PREPARED BY:

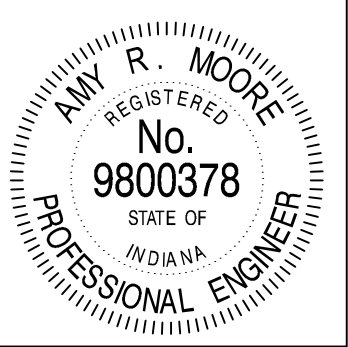
 VS ENGINEERING, INC.

FAX: (317) 293-4737
TEL: (317) 293-3542

CERTIFIED BY:


AMY R. MOORE P.E., INDIANA REG. NO. 19800378

12-09-2011
DATE



CONTRACT	BRIDGE FILE	
	N/A	
	DESIGNATION	
	N/A	
	SHEETS	
	1	of 6
	PROJECT	
	SD-00-043E	

DIRECTORY...F:\2011\11-2763 73rd & Pennridge\DESIGN\DRAWINGS\MISC\
FILE.....11-2763 Topo.dwg
DIMSCALE..20 LTSCALE....20
PLOTTED BY:Egoodnight
DATE.....Dec 08,2011 - 9:47am

BENCHMARK:
THE VERTICAL DATUM HEREON IS BASED UPON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88), UNLESS OTHERWISE NOTED, UTILIZING INDOT CONTINUOUSLY OPERATING REFERENCE STATIONS (INCORS).

TBM#1
CUT "□" ON NORTHEAST CORNER OF THE WEST HEADWALL OF DITCH AT PRIVATE DRIVE OF ADDRESS 130 E. 73RD STREET.
ELEV. = 767.07

TBM#2
CUT "□" ON NORTHEAST CORNER OF THE WEST HEADWALL OF DITCH AT PRIVATE DRIVE OF ADDRESS 130 E. 73RD STREET.
ELEV. = 774.78

HORIZONTAL COORDINATE SYSTEM
IS THE EAST ZONE OF THE INDIANA STATE PLANE COORDINATE SYSTEM, NAD83 (CORS96)

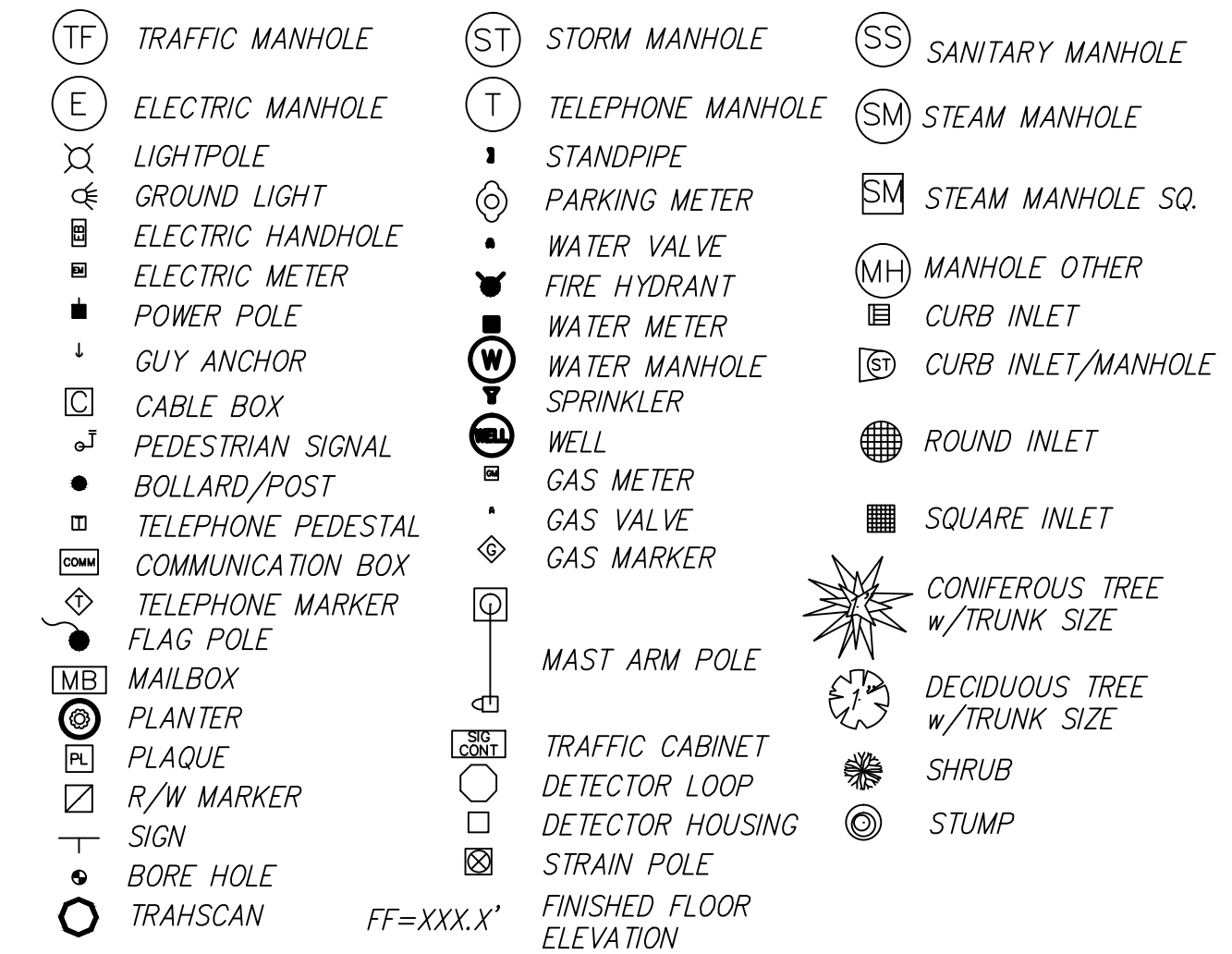
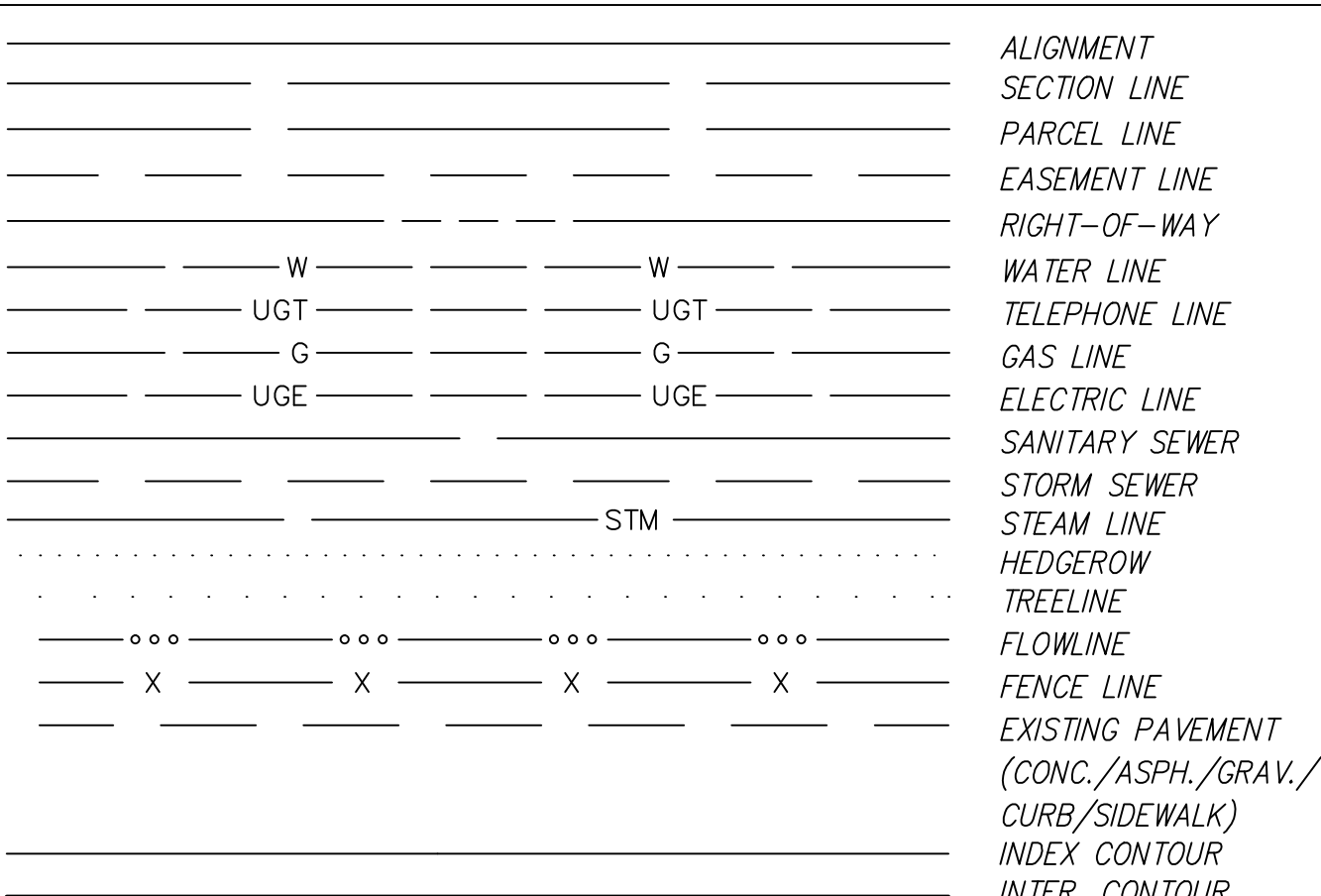
UTILITY CONTACT INFORMATION:

AT&T - COMMUNICATIONS
220 NORTH MERIDIAN STREET,
INDIANAPOLIS, IN 46202

CITIZENS - GAS & WATER
2020 N MERIDIAN ST
INDIANAPOLIS, IN 46202

COMCAST - CABLE TV
5330 E 65TH ST
INDIANAPOLIS, IN 46220

INDIANAPOLIS POWER & LIGHT - ELECTRIC
ONE MONUMENT CIRCLE
P.O. BOX 1595
INDIANAPOLIS, INDIANA 46206-1595



Barbara A. Humphrey &
Carol A. Heubach
Inst. #2002-0209781
10/3/2002
105 E. 73rd Street

The David Richard
Moorman Revocable Trust
Inst. #2011-00033987
04/08/2011
115 E. 73rd Street

David A. & Emily A. Tucker
Inst. #1993-0034039
03/16/1993
190 Pennridge Drive

Rene & Marie Bernadac
Inst. #2001-0092163
06/01/2001
180 Pennridge Drive

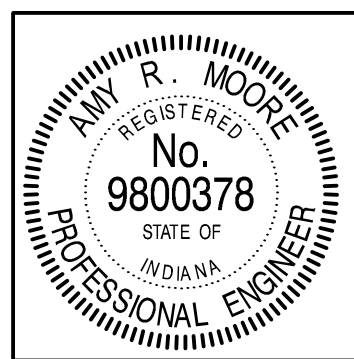
William G. & Janet E.
Schnieders
Inst. #8600124758
11/25/1986
160 Pennridge Drive

Christie Ballweg Kreig
& Lisa Ann Kreig
Inst. #2004-0085033
04/28/2004
130 E. 73rd Street

Brian J. & Marita A. Tuchy
Inst. #870128940
11/05/2007
220 Pennridge Drive

Scott Farnham
Inst. #2006-0099971
06/26/2004
201 Pennridge Drive

Andrew & Jennifer Morris
Inst. #1998-0051430
03/19/1998
7250 Washington Blvd.

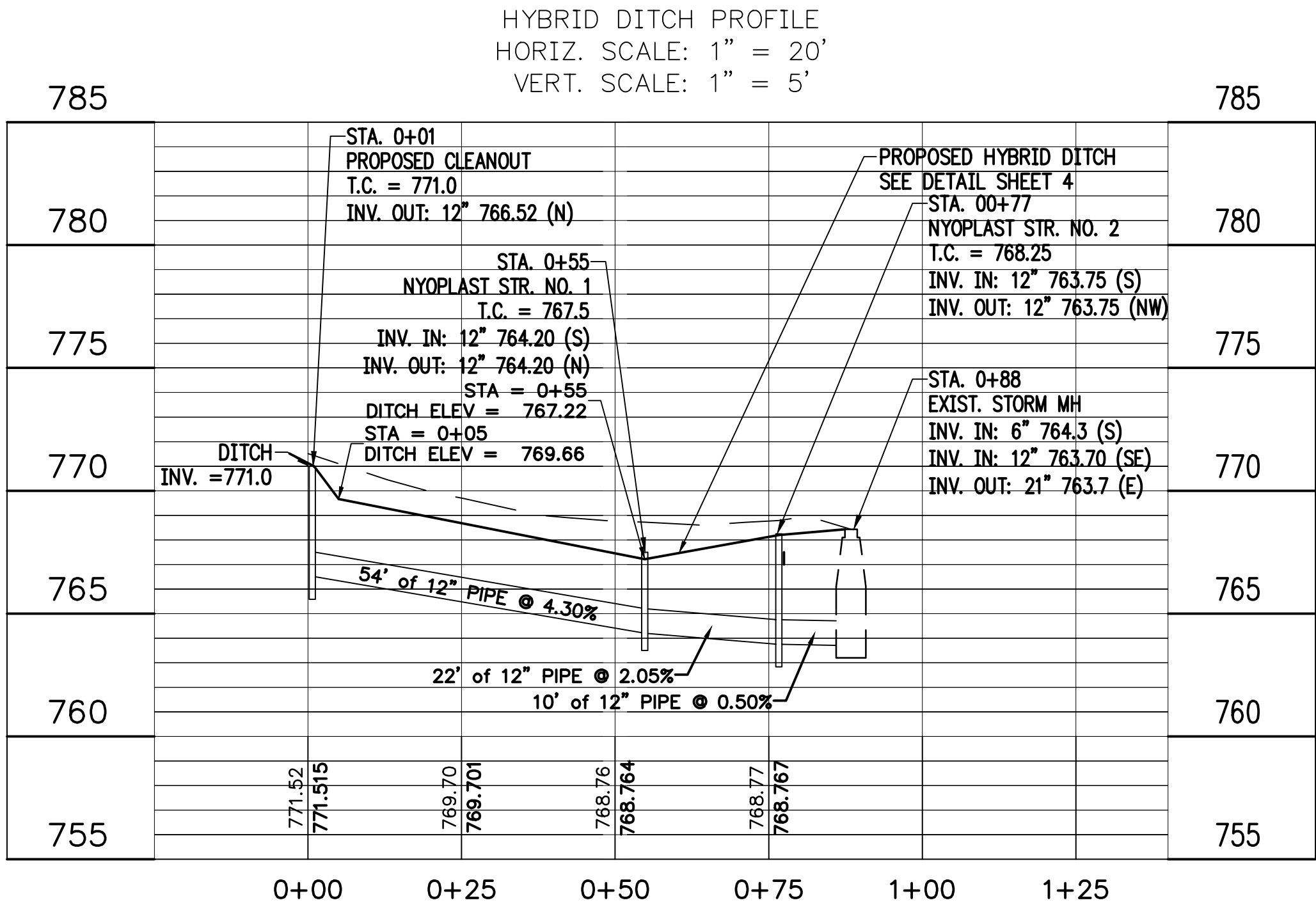


RECOMMENDED FOR APPROVAL	<i>Amy R. Moore</i>	12/09/11
DESIGNED: ARM	DRAWN: VSE	DATE
CHECKED: BSF	CHECKED: ARM	

CITY OF INDIANAPOLIS DEPARTMENT OF PUBLIC WORKS
73rd & PENNRIDGE DRIVE EXISTING TOPOGRAPHY

HORIZONTAL SCALE N/A	BRIDGE FILE N/A
VERTICAL SCALE N/A	DESIGNATION -
SURVEY BOOK N/A	SHEETS 2 of 6
CONTRACT N/A	PROJECT SD-00-043E

DIRECTORY...F:\2011\11-2763 73rd & Pennridge\DESIGN\DRAWINGS\CONST DET\
FILE.....11-2763 CD 01.dwg
DIMSCALE..20 LTSCALE....20
PLOTTED BY..Kkendrick
DATE.....Jan 25,2012 - 7:10pm



(SEE HYBRID DITCH DETAILS, SHEET 4)

STRUCTURE DATA TABLE

Structure No.	Location	Northing	Easting	Casting Type	Structure Type	Downstream Pipe Length
Extg.	115 E. 73rd St.	1690070.11	191302.4	Neenah R-2560-D7, or equal	Existing	n/a
1	190 E. 73rd St.	1690048.73	191308.84	1699CGSL	2818AG02	22
2	115 E. 73rd St.	1690048.73	191308.84	1699CGDL	2818AG02	10
Cleanout	190 Pennridge Dr.	1689996.61	191321.3995	1299CGCL	2712AG01	54
3	201 Pennridge Dr.	1689933.4	191424.58	Neenah R-4215-C, or equal	Inlet Type E	existing CMP

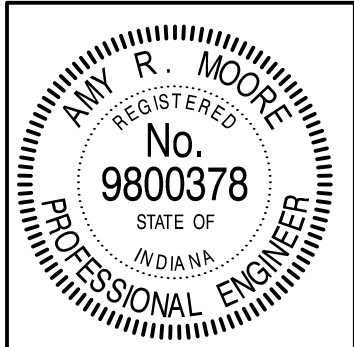
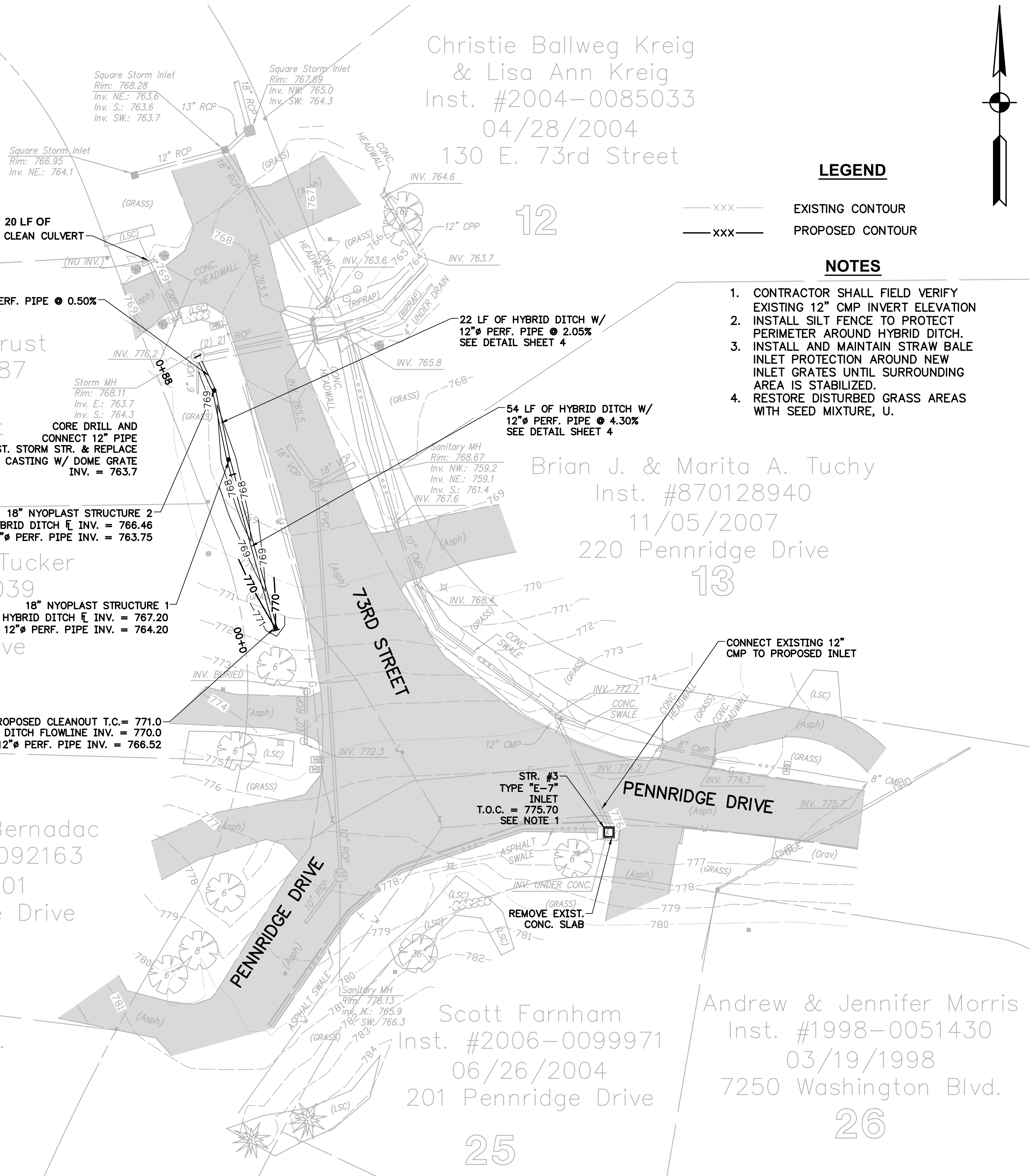
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Inst. #2002-0209781
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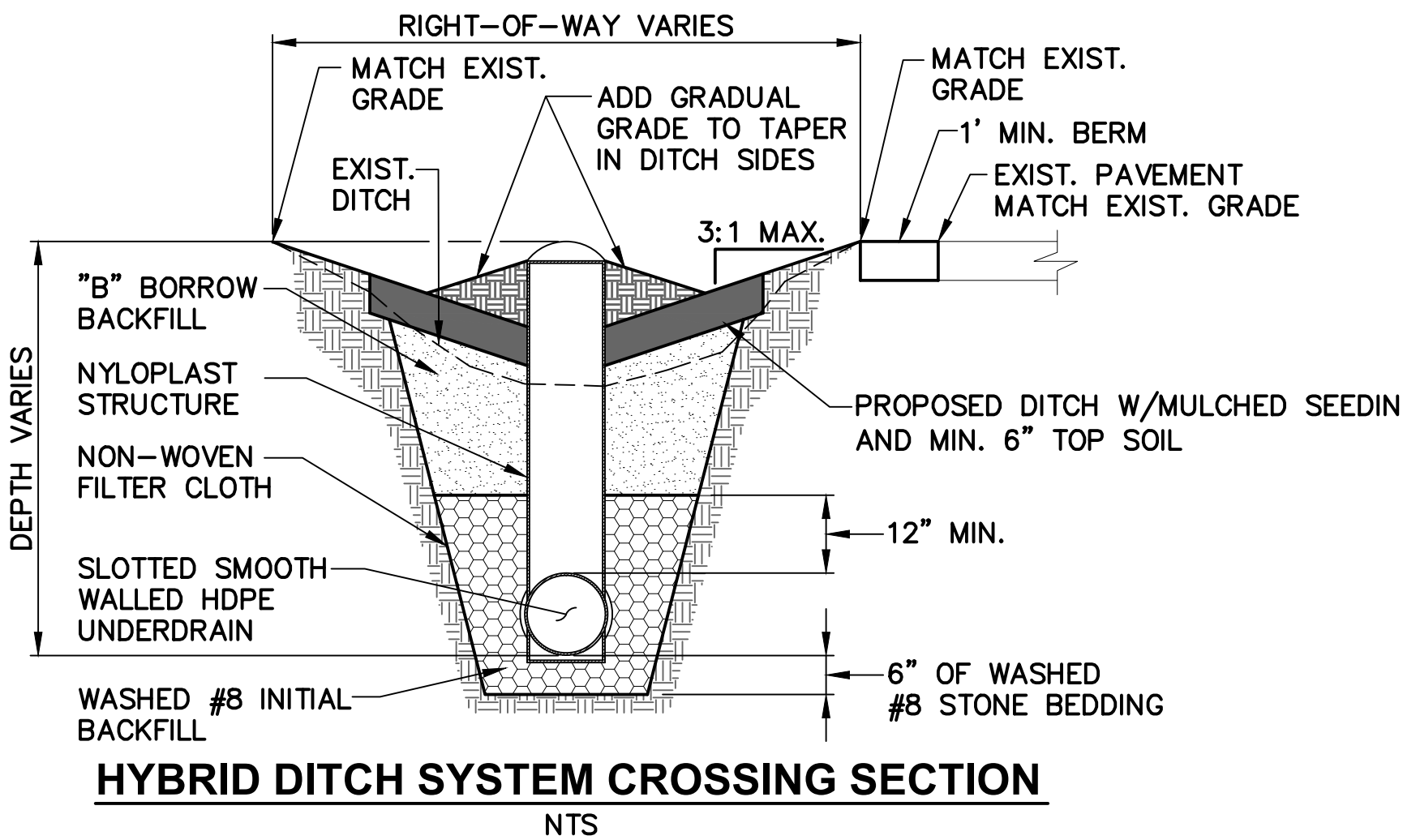
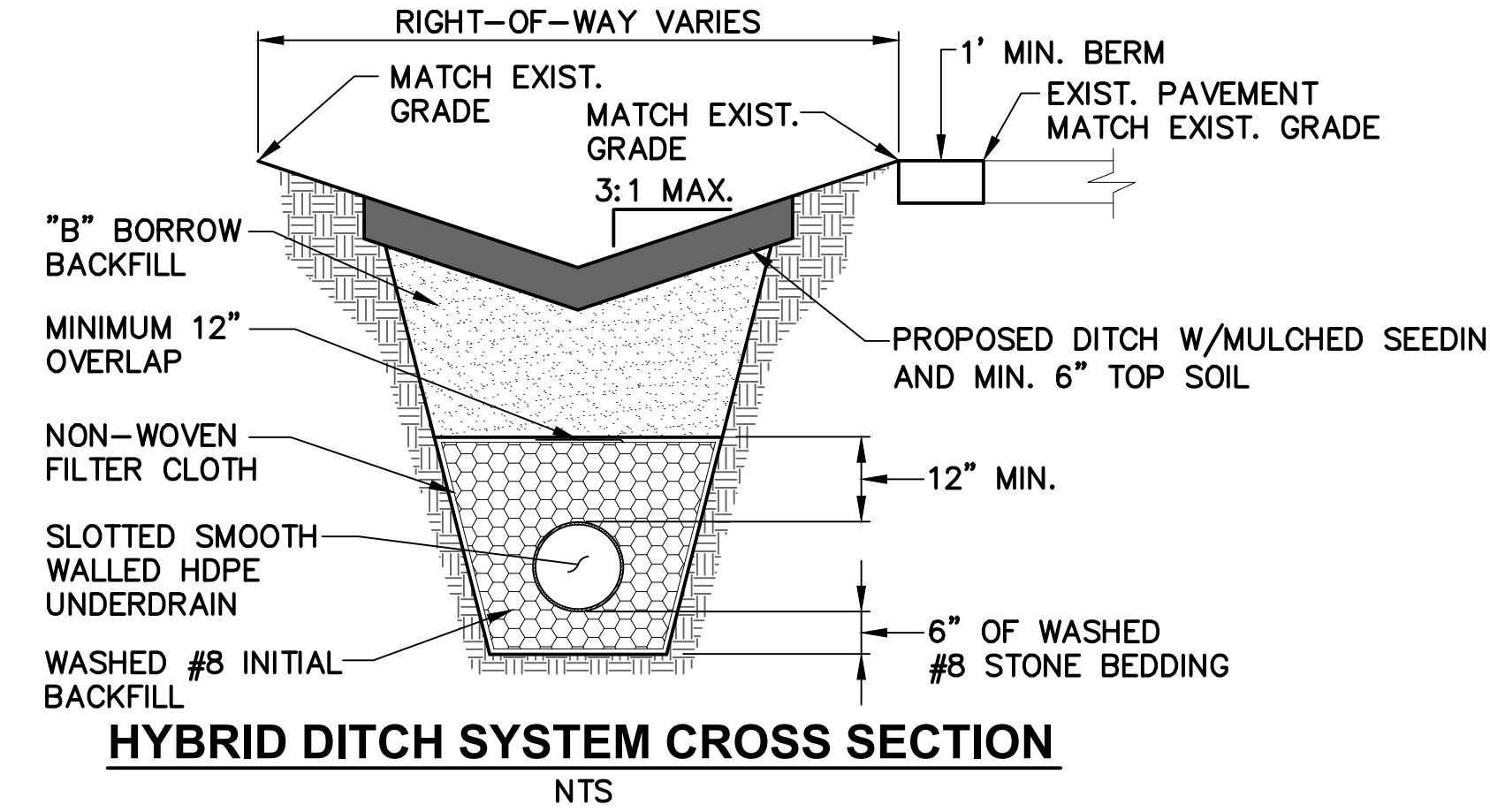
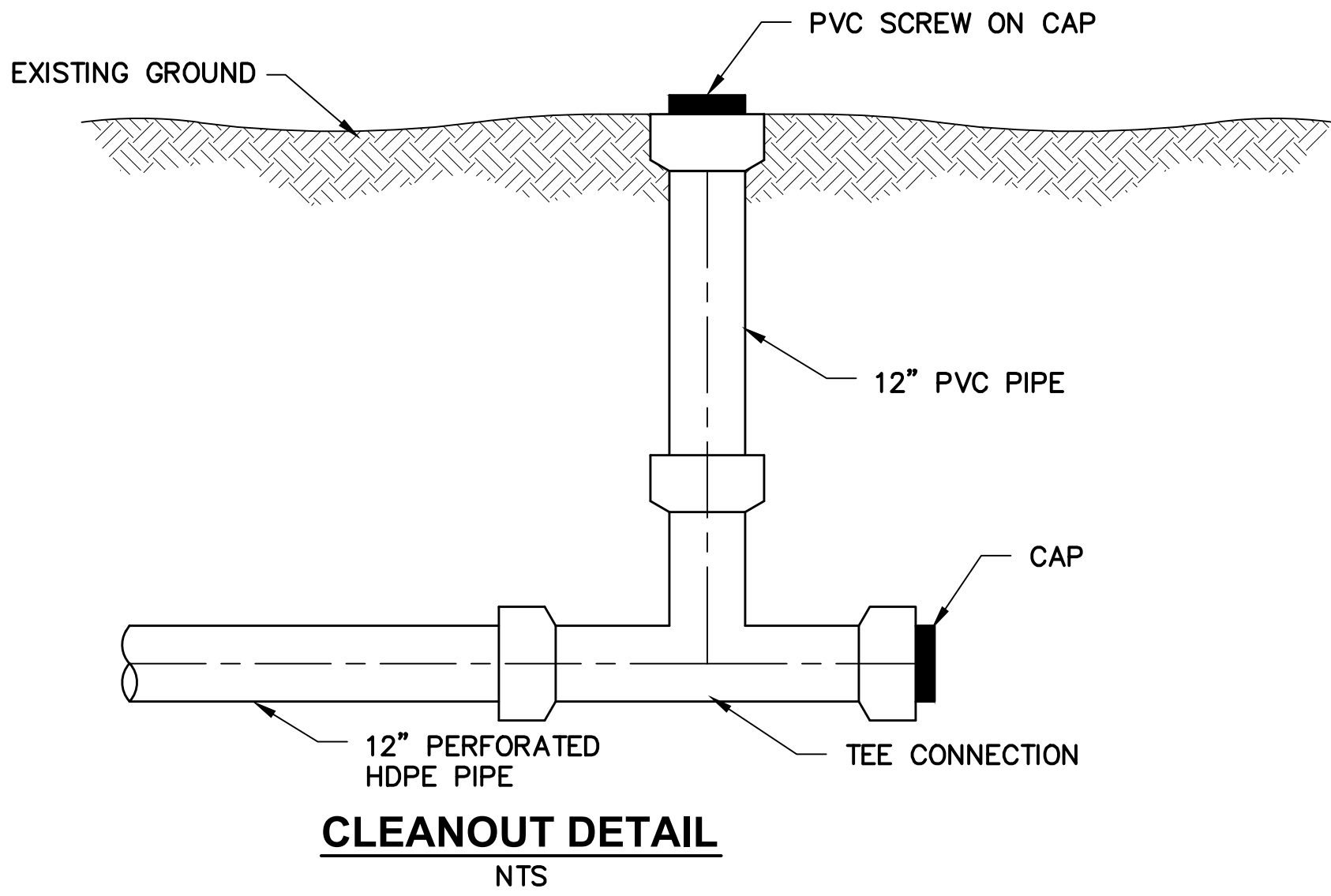


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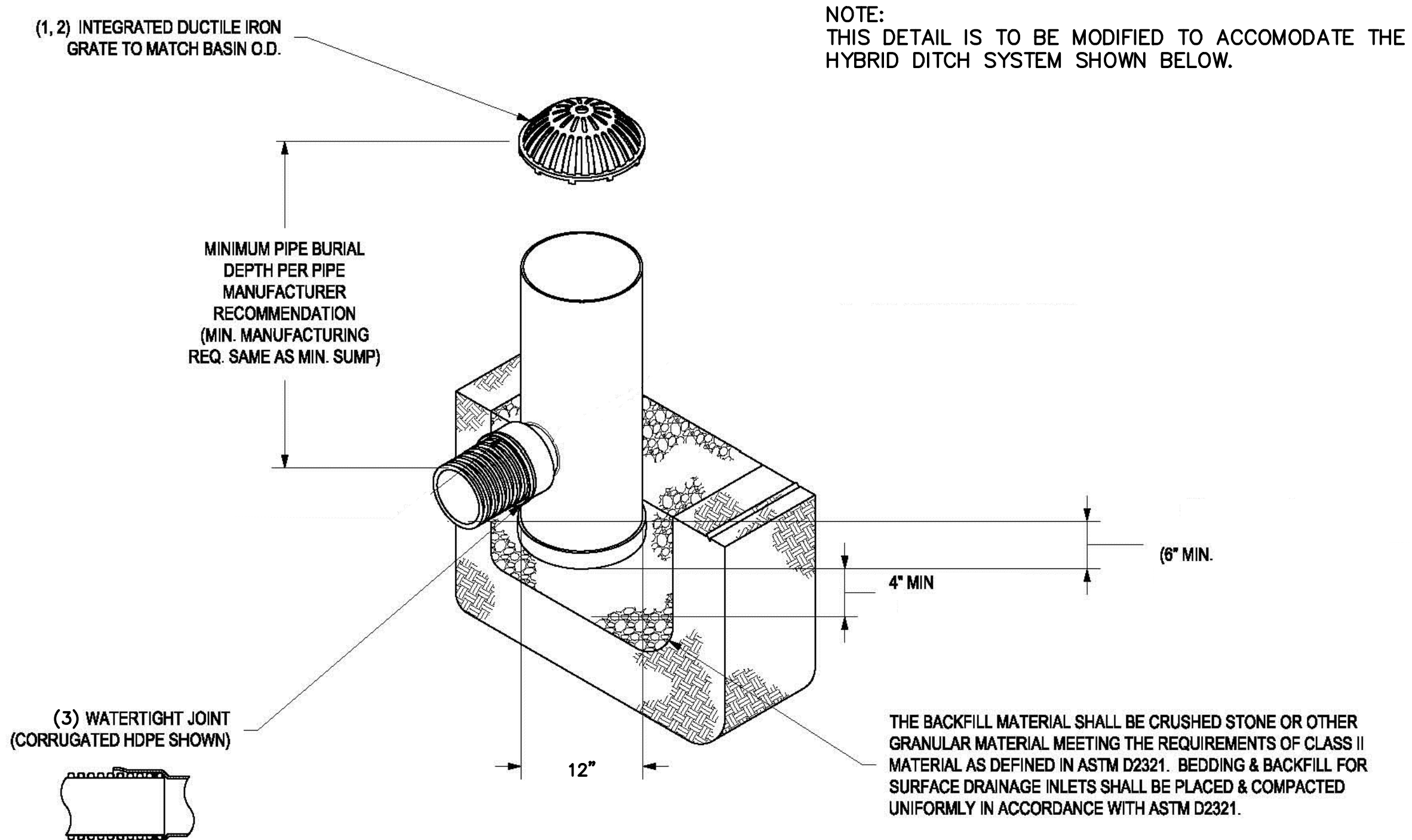
CITY OF INDIANAPOLIS DEPARTMENT OF PUBLIC WORKS
73rd & PENNRIDGE DRIVE DRAINAGE IMPROVEMENTS

HORIZONTAL SCALE 1" = 20'	BRIDGE FILE N/A
VERTICAL SCALE N/A	DESIGNATION -
SURVEY BOOK N/A	SHEETS 3 of 6
CONTRACT N/A	PROJECT SD-00-043E

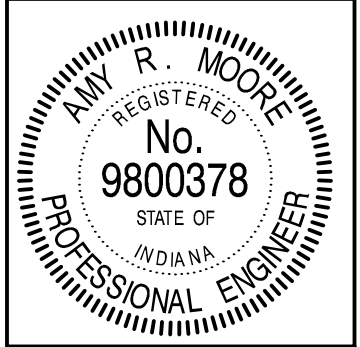
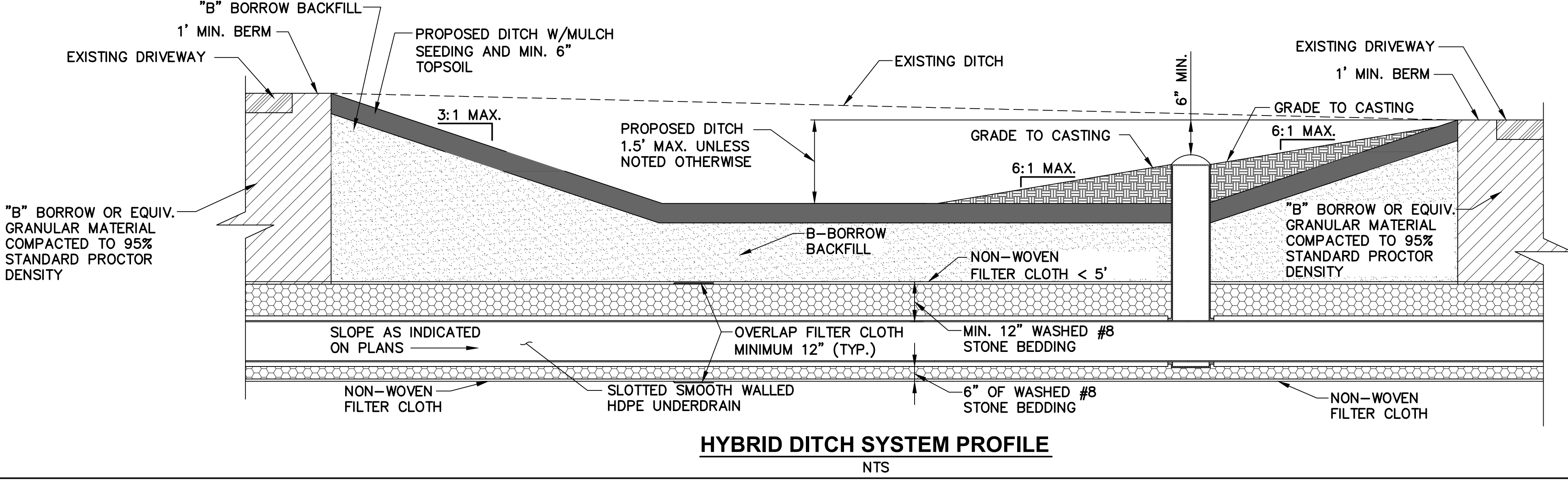
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DIMSCALE:1 LTSCALE:1
PLOTTED BY:EGoodnight
DATE:Jan 24,2012 1:08pm



NYLOPLAST DRAIN BASIN WITH DOME GRATE



1. GRATES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
2. FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05
3. DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL), N-12HP, & PVC SEWER (4"-24").
4. LOCKING GRATE ASSEMBLY SHALL BE INCLUDED.

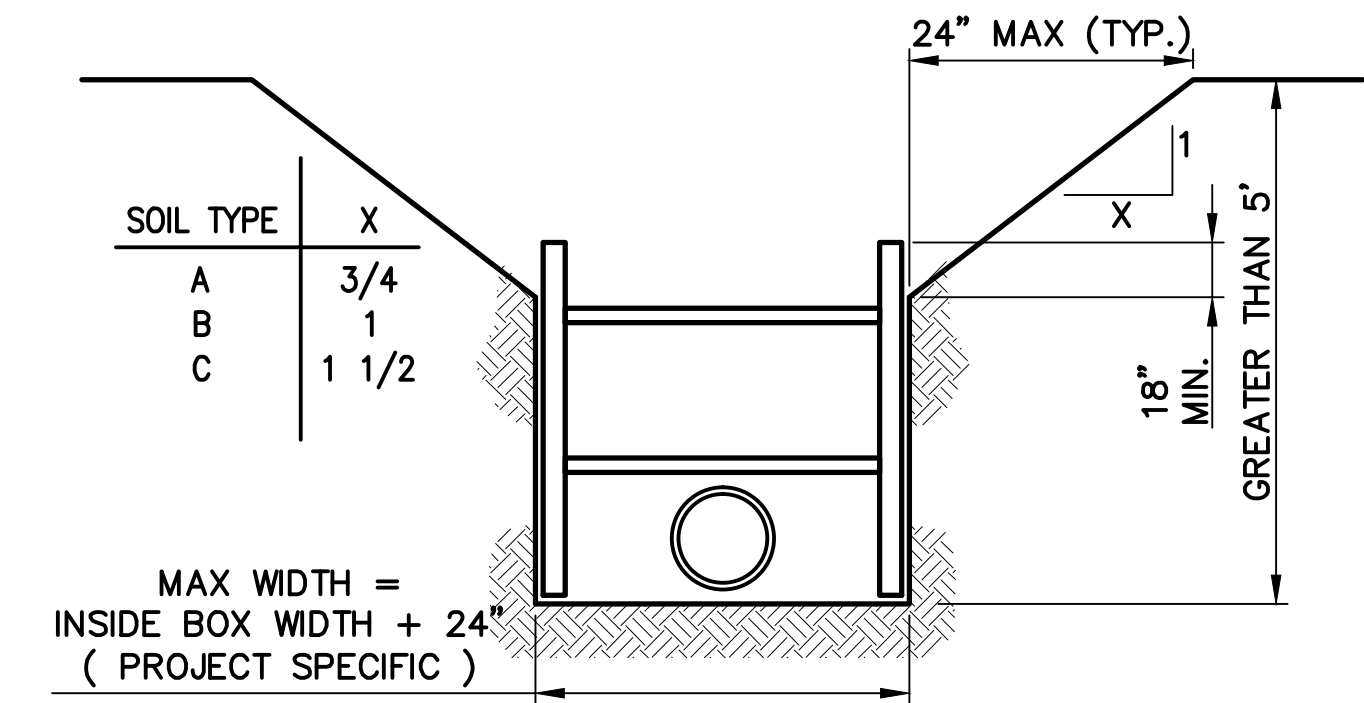


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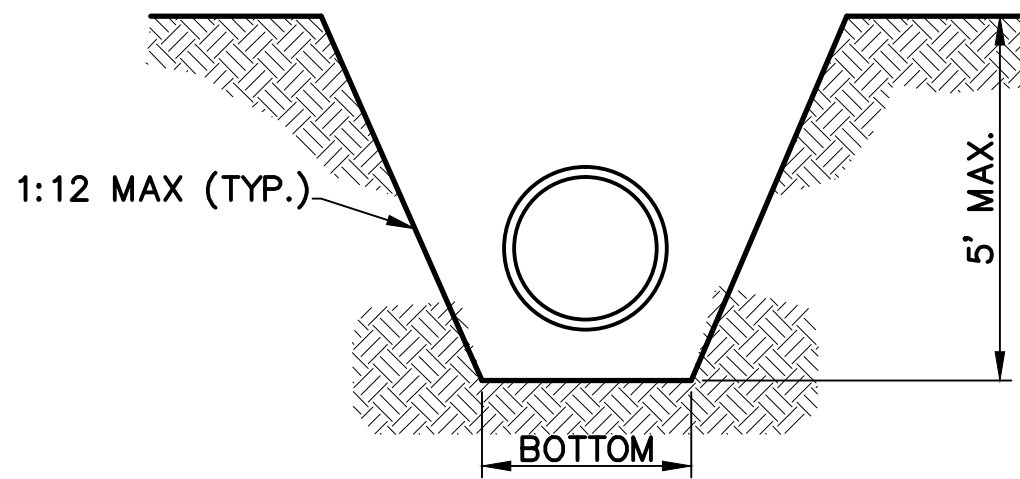
CITY OF INDIANAPOLIS DEPARTMENT OF PUBLIC WORKS
73rd & PENNRIDGE DRIVE STORM SEWER DETAILS

HORIZONTAL SCALE N/A	BRIDGE FILE N/A
VERTICAL SCALE N/A	DESIGNATION -
SURVEY BOOK N/A	SHEETS 4 of 6
CONTRACT N/A	PROJECT SD-00-043E

DIRECTORY...F:\2011\11-2763 73rd & Pennridge\DESIGN\DRAWINGS\MISC\FILE...11-2763 MISC DETAILS 02.dwg
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DATE:.....Dec 08,2011 - 10:17am



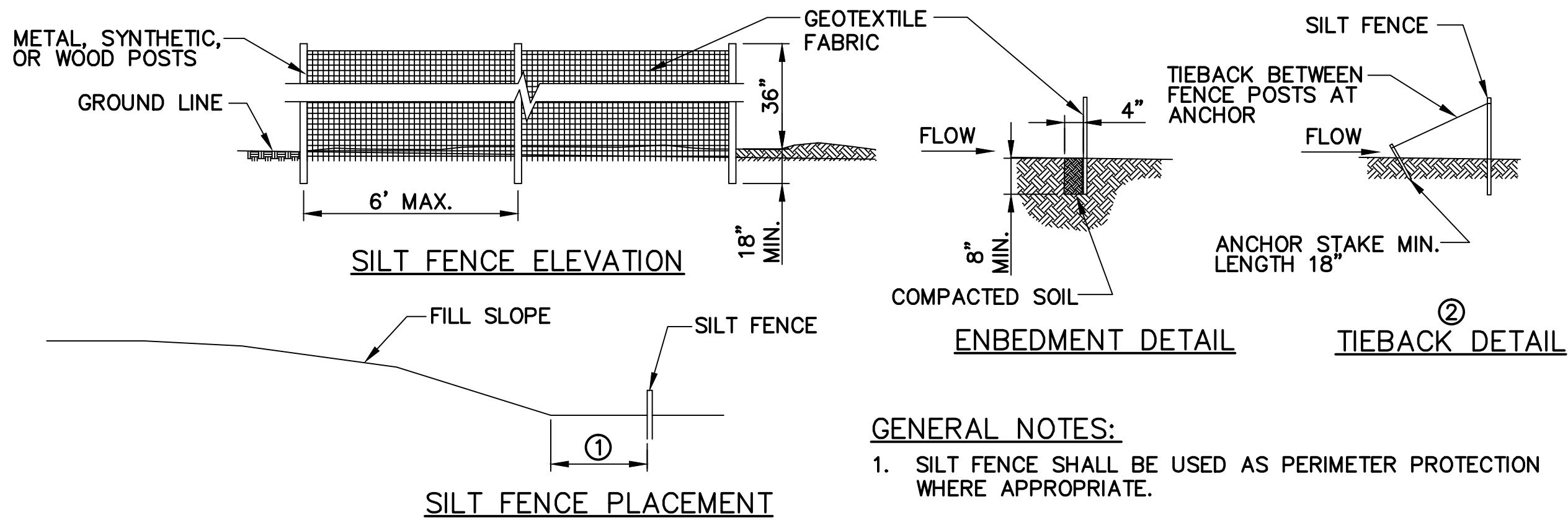
OTHER MEANS OF OSHA-APPROVED TRENCH PROTECTION ARE ACCEPTABLE PROVIDED THE MAXIMUM TRENCH WIDTH OF THIS DETAIL IS ADHERED TO.
MAXIMUM TRENCH WIDTH DETAIL FOR EXCAVATIONS
(GREATER THAN 5' IN DEPTH)



DETAIL SHALL BE USED IF EXCAVATIONS ARE LESS THAN 5 FEET IN DEPTH AND EXAMINATION OF THE GROUND BY A COMPETENT PERSON PROVIDES NO INDICATION OF A POTENTIAL CAVE-IN. THE DETERMINATION OF A CAVE-IN POTENTIAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. IF CONTRACTOR DETERMINES A POTENTIAL CAVE-IN IS POSSIBLE, TRENCH PROTECTION SHALL BE PROVIDED PER OSHA STANDARDS. OSHA STANDARDS SHALL BE USED IN ALL CASES

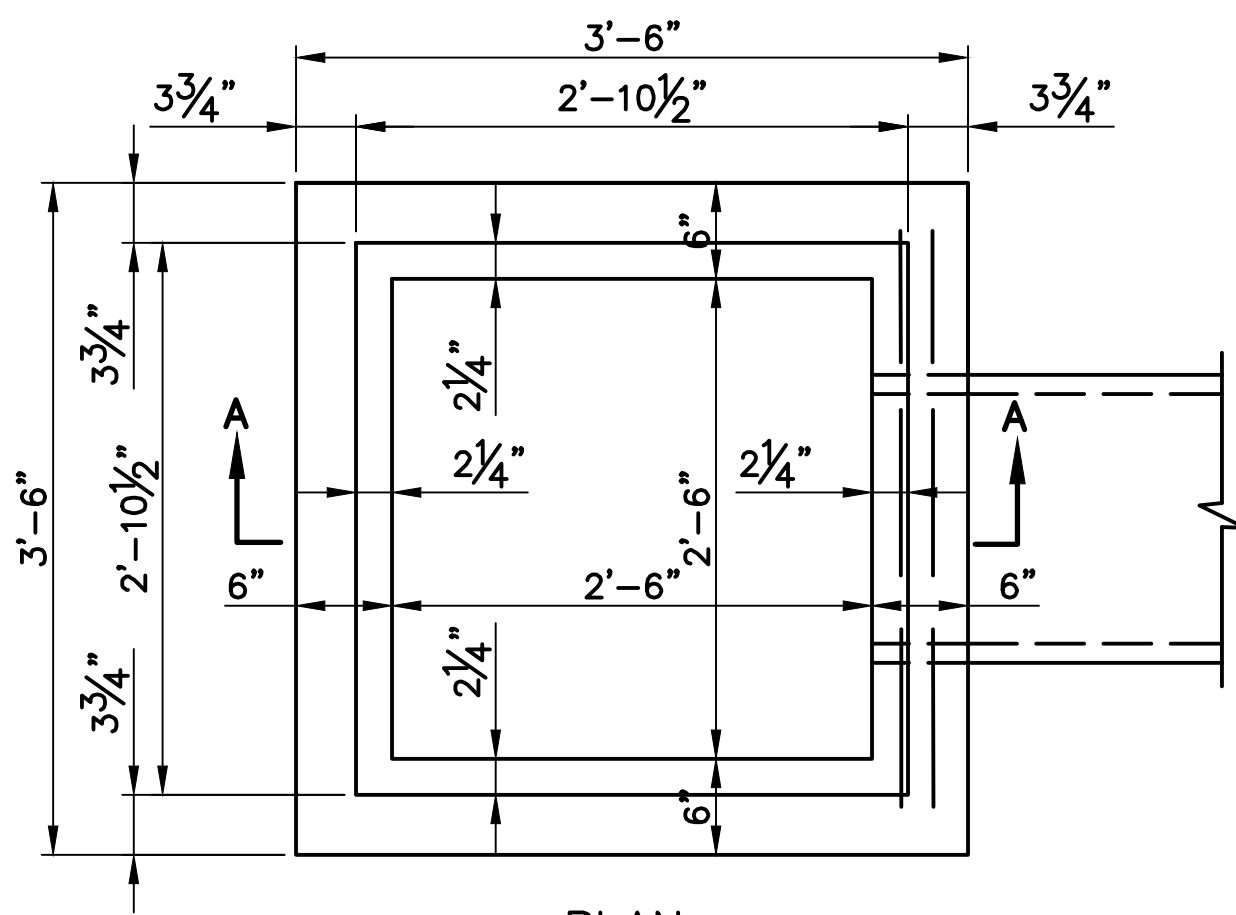
{1.25 O.D. + 12" FOR < 42" DIA.}
{1.25 O.D. + 24" FOR > 42" DIA.}

MAXIMUM TRENCH WIDTH DETAIL FOR EXCAVATIONS
(5' OR LESS IN DEPTH)

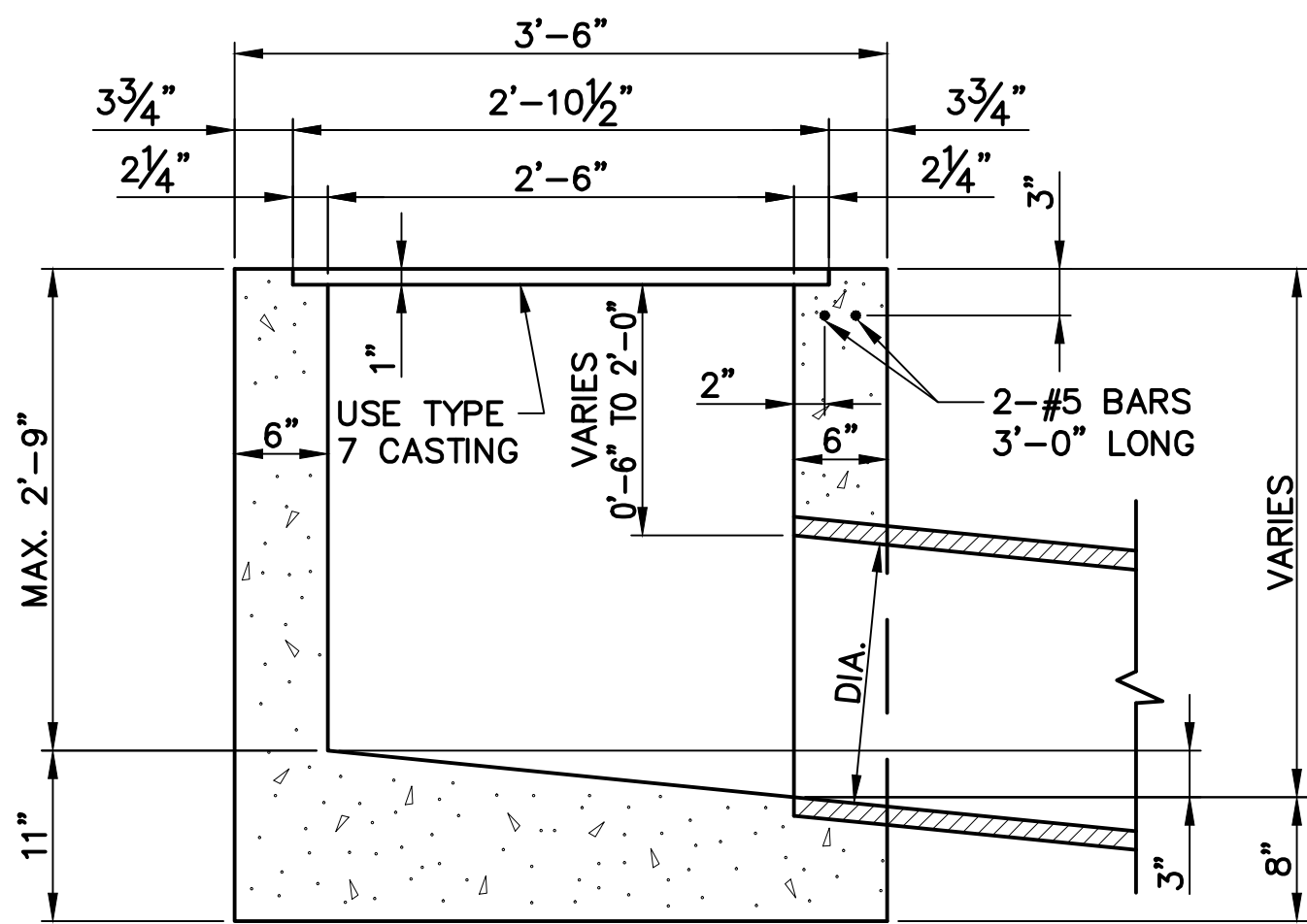


- GENERAL NOTES:**
1. SILT FENCE SHALL BE USED AS PERIMETER PROTECTION WHERE APPROPRIATE.
 2. SILT FENCE SHALL BE PLACED AS CLOSE AS POSSIBLE TO EDGE OF CONSTRUCTION LIMITS OR AS DIRECTED.
 3. THE SPACING OF THE TIEBACKS SHALL EQUAL THE SPACING OF POSTS. ADDITIONAL POST DEPTH OR TIEBACKS MAYBE BE REQUIRED IN UNSTABLE SOILS.

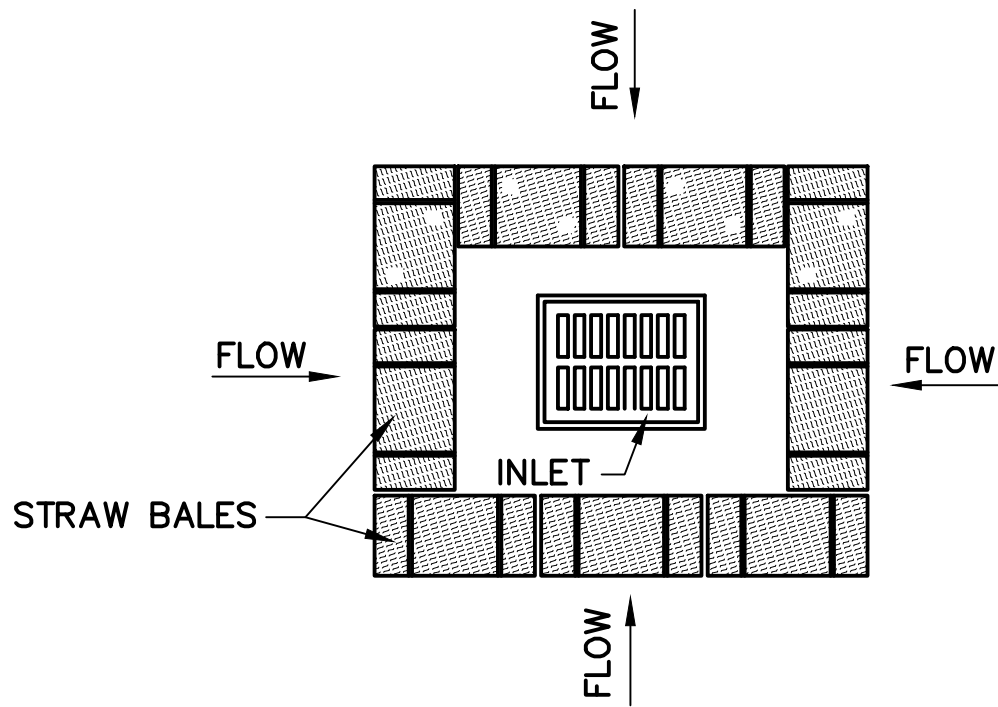
SILT FENCE DETAIL
NO SCALE



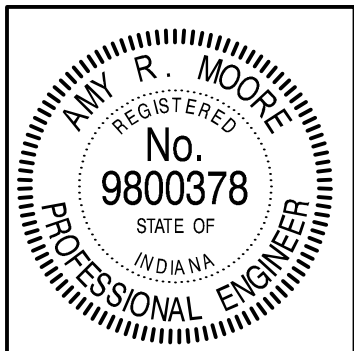
PLAN



SECTION A-A
INLET TYPE E
NOT TO SCALE



STRAW BALE INLET PROTECTION
NO SCALE

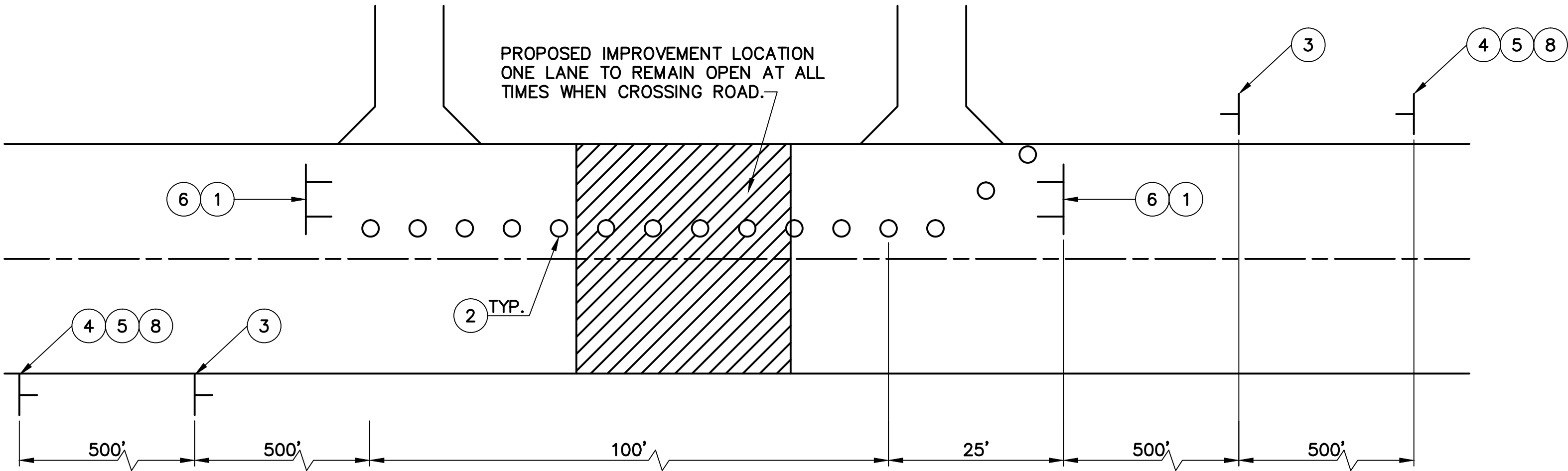


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DESIGNED: ARM	DRAWN: VSE
CHECKED: BSF	CHECKED: ARM

CITY OF INDIANAPOLIS DEPARTMENT OF PUBLIC WORKS
73rd & PENNRIDGE DRIVE DRAINAGE IMPROVEMENTS

HORIZONTAL SCALE N/A	BRIDGE FILE N/A
VERTICAL SCALE N/A	DESIGNATION -
SURVEY BOOK N/A	SHEETS 5 of 6
CONTRACT N/A	PROJECT SD-00-043E

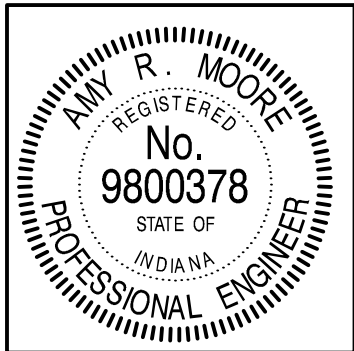
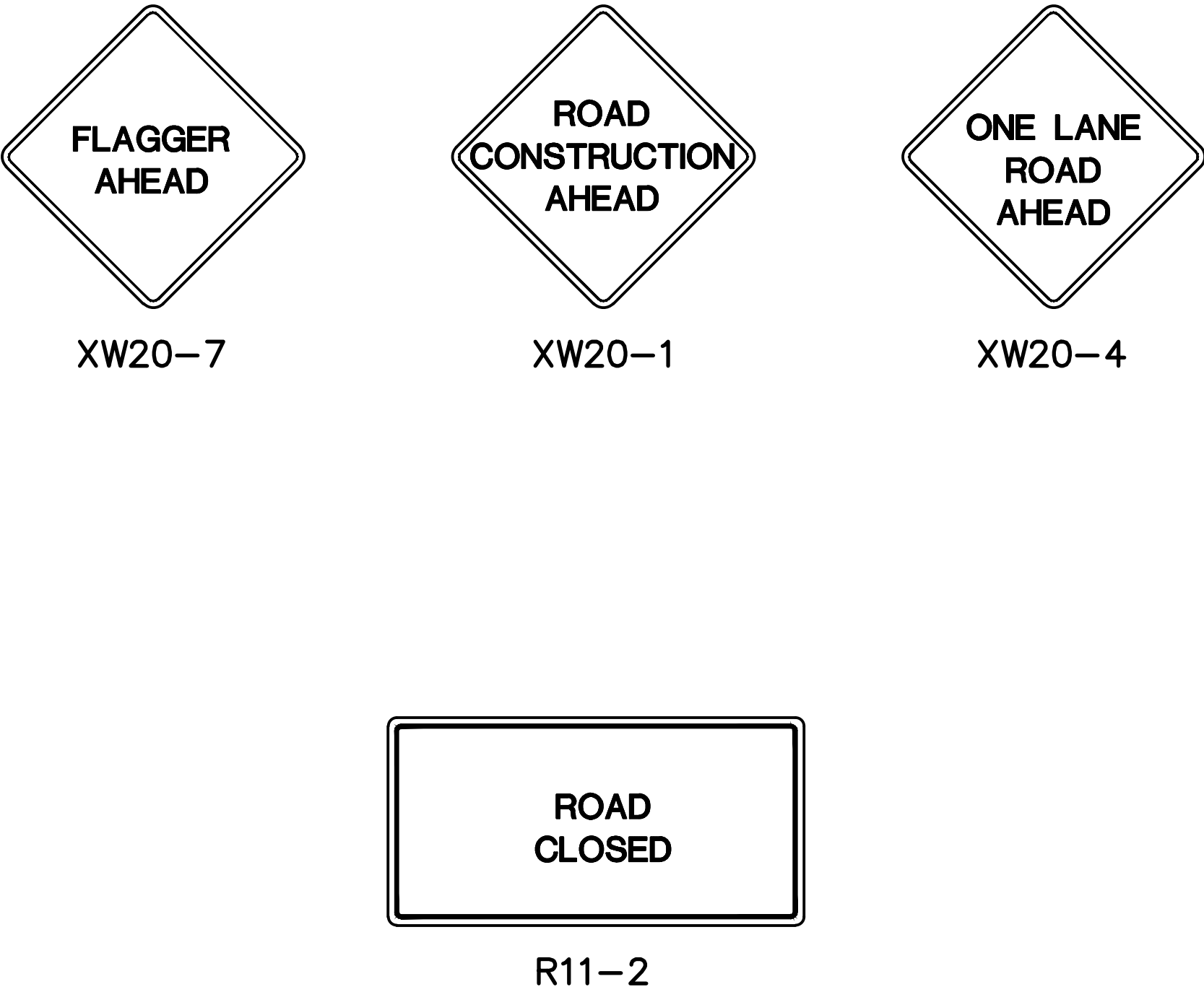
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FILE.....WOT DETAILS 01.dwg
DIMSCALE:1 LTSCALE:....2.5
PLOTTED BY:Egoodnight
DATE:.....Jan 24,2012 -- 1:13pm



TEMPORARY SINGLE LANE CLOSURE (N.T.S.)

- 1 TYPE III-B BARRICADE
- 2 PLACE MOLDED ORANGE POLYETHYLENE DRUMS PER INDOT 801.09 DURING CONSTRUCTION TO MAINTAIN TRAFFIC OF ONE THROUGH LANE.
- 3 CONSTRUCTION SIGN TYPE A (XW20-4) PER INDOT 801.04. CONSTRUCTION SIGN SHALL BE PORTABLE.
- 4 CONSTRUCTION SIGN TYPE A, (XW20-1) PER INDOT 801.04. CONSTRUCTION SIGN SHALL BE PORTABLE.
- 5 CONSTRUCTION SIGN TYPE A, (XW20-7) PER INDOT 801.04. CONSTRUCTION SIGN SHALL BE PORTABLE.
- 6 CONSTRUCTION SIGN TYPE A, (R11-2) PER INDOT 801.04. CONSTRUCTION SIGN SHALL BE PORTABLE.
- 7 CONSTRUCTION SIGN TYPE A, (R11-4) PER INDOT 801.04. CONSTRUCTION SIGN SHALL BE PORTABLE.
- 8 REBUILD INDY SIGN, TYPE B.

NOTES:
CONTRACTOR SHALL MAINTAIN ONE LANE OPEN AT ALL TIMES ON ALL CITY STREETS.
CONTRACTOR SHALL MAINTAIN ACCESS TO RESIDENCES.
FLAGGERS SHALL BE PROVIDED AS NECESSARY AND IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
ALL TRAFFIC CONTROLS SHALL BE IN ACCORDANCE WITH INDOT SECTION 801 (EXCLUDING SECTIONS 801.17 AND 801.18.)
ALL INDOT SPECIFICATION NOTES USE INDOT 2011 STANDARD SPECIFICATIONS.



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CHECKED: BSF	CHECKED: ARM

CITY OF INDIANAPOLIS DEPARTMENT OF PUBLIC WORKS
73rd & PENNRIDGE DRIVE MAINTENANCE OF TRAFFIC

HORIZONTAL SCALE N/A	BRIDGE FILE N/A
VERTICAL SCALE N/A	DESIGNATION -
SURVEY BOOK N/A	SHEETS 6 of 6
CONTRACT N/A	PROJECT SD-00-043E