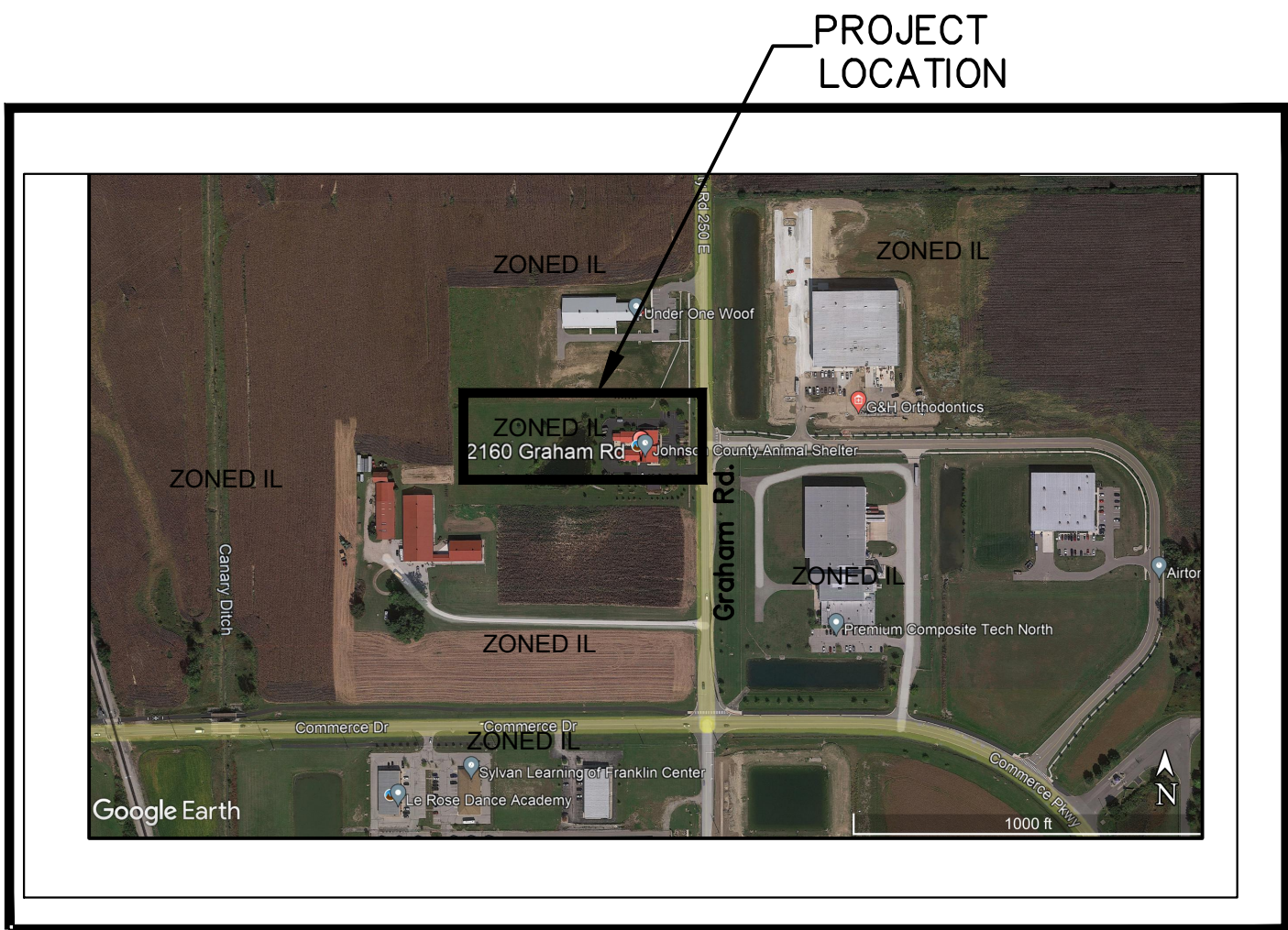


# JOHNSON COUNTY ANIMAL SHELTER BUILDING & PARKING ADDITIONS PROJECT

2160 N. GRAHAM RD  
FRANKLIN, INDIANA 46131



VICINITY/LOCATION MAP  
SCALE: NOT TO SCALE

SHEET INDEX	
SHEET NO.	TITLE
C100	TOPOGRAPHIC SURVEY
C101	SITE DEMOLITION PLAN
C102	SITE IMPROVEMENTS PLAN
C103	SITE GRADING & EROSION CONTROL PLAN
C104	SITE UTILITY PLAN
C105	CIVIL / SITE DETAILS
C106	SITE UTILITY DETAILS
C107	EROSION CONTROL DETAILS
C108	LANDSCAPING PLANS

OWNER

JOHNSON CO. ANIMAL SHELTER  
2160 N. GRAHAM RD  
FRANKLIN IN

DEVELOPER / CONTRACTOR



COMMERCIAL TEAM  
CONSTRUCTION

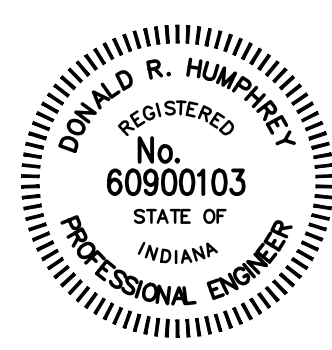
1715 S. Franklin Road  
Indianapolis, IN 46219  
Ph. (317) 782-8300  
Fax (317) 782-8301

CIVIL/SITE ENGINEER


Total Engineering Solutions Co., LLC  
9955 Crosspoint Blvd., Suite 100  
Indianapolis, Indiana 46256

PERMIT REVIEW PLANS

THE CURRENT EDITION OF THE INDIANA DEPARTMENT OF  
TRANSPORATION, STANDARD SPECIFICATIONS & CITY OF  
FRANKLIN SUBDIVISION CONTROL ORDINANCE ARE TO BE  
USED WITH THESE PLANS

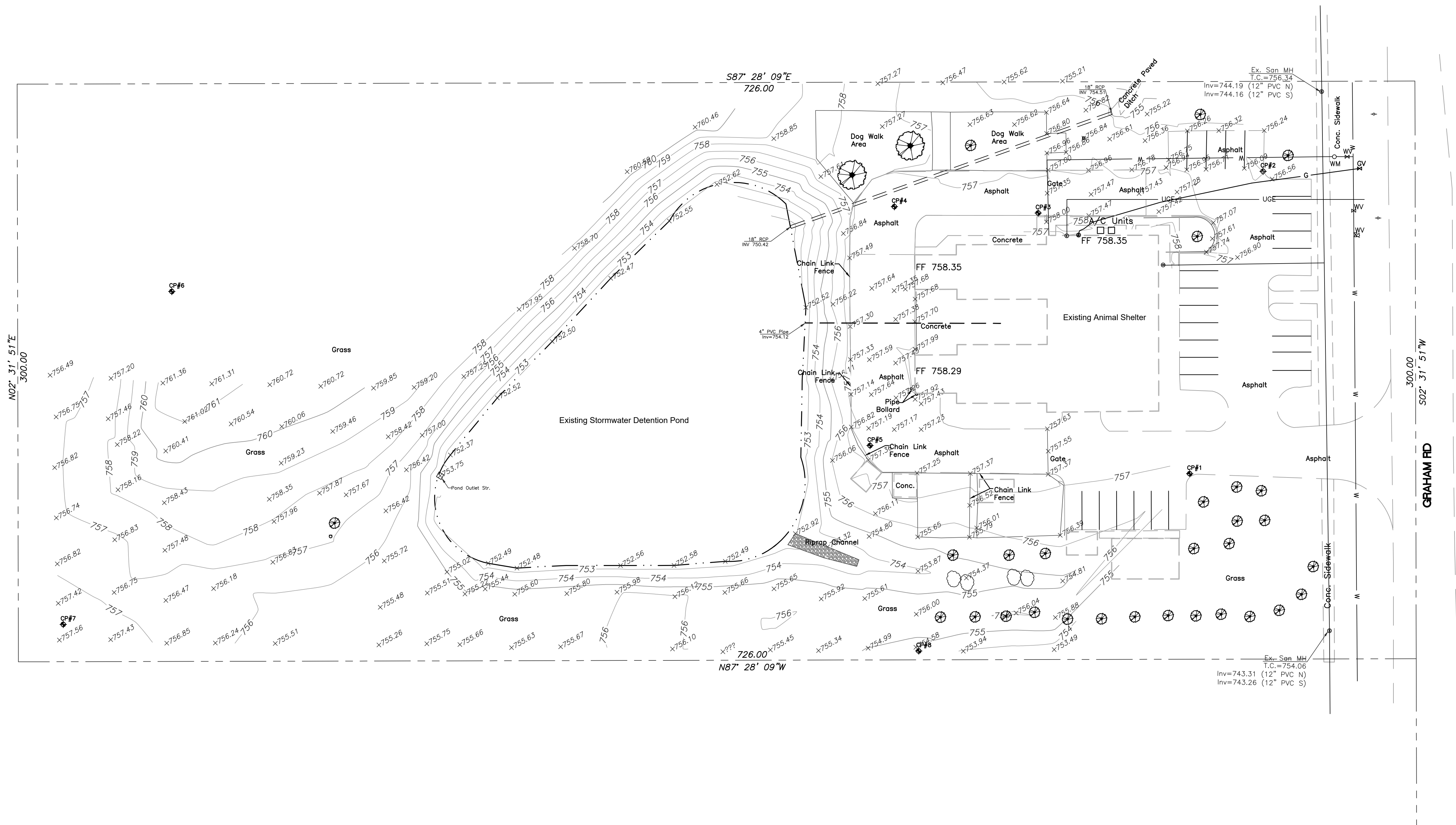


Certified By:

  
DONALD R. HUMPHREY, P.E.  
IND. REG. NO. 60900103

Revisions





- ### LEGEND
- ⊙ SANITARY MANHOLE
  - ⊕ STORM MANHOLE
  - ⊕ BEEHIVE INLET
  - ⊕ GRATE INLET
  - ⊕ CURB INLET
  - ⊕ POWER POLE
  - ⊕ LIGHT POLE
  - ⊕ TELEPHONE MANHOLE
  - ⊕ TELEPHONE PEDESTAL
  - ⊕ ELECTRICAL METER
  - ⊕ GAS METER
  - ⊕ GAS VALVE
  - ⊕ WATER VALVE
  - ⊕ WATER METER
  - ⊕ FIRE HYDRANT
  - S — SANITARY SEWER
  - ST — STORM SEWER
  - OE — OVERHEAD ELECTRIC
  - BE — BURIED ELECTRIC
  - BT — BURIED TELEPHONE
  - FO — BURIED CABLE (FIBER OPTICS)
  - G — GAS LINE
  - W — WATER LINE
  - X — FENCE
  - ⊕ TREE
  - ⊕ PINE TREE
  - ⊕ BUSH
  - ⊕ EX. SPOT ELEVATION
  - ⊕ EX. SPOT ELEVATION
  - ⊕ SURVEY CONTROL POINT
  - ⊕ SECTION CORNER MARKER
  - ⊕ RIGHT OF WAY MARKER

#### LAND LEGAL DESCRIPTION — INSTRUMENT #2006-016491

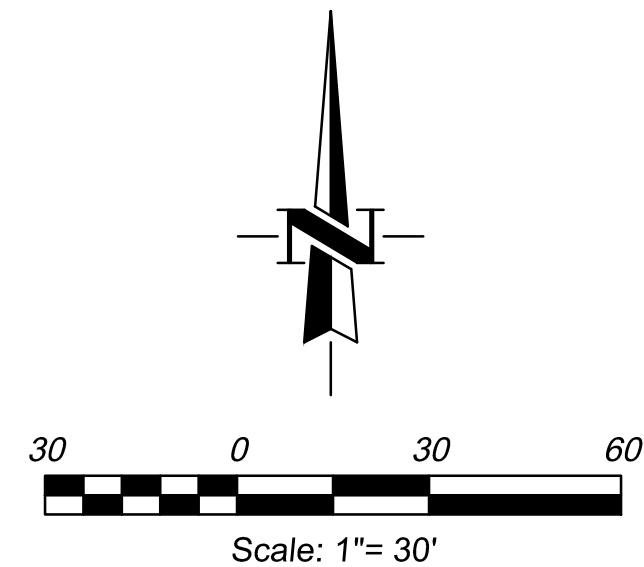
A PART OF THE SOUTHWEST QUARTER OF SECTION 2, TOWNSHIP 12 NORTH, RANGE 4 EAST OF THE SECOND PRINCIPAL MERIDIAN, FRANKLIN TOWNSHIP, JOHNSON COUNTY, INDIANA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHEAST CORNER OF SAID QUARTER SECTION; THENCE NORTH 02 DEGREES 31 MINUTES 51 SECONDS EAST ON AND ALONG THE EAST LINE THEREOF A DISTANCE OF 298.46 FEET TO THE POINT OF BEGINNING OF THIS DESCRIPTION; THENCE NORTH 87 DEGREES 28 MINUTES 09 SECONDS WEST A DISTANCE OF 726.00 FEET; THENCE NORTH 02 DEGREES 31 MINUTES 51 SECONDS WEST A DISTANCE OF 300.00 FEET; THENCE SOUTH 87 DEGREES 28 MINUTES 09 SECONDS EAST A DISTANCE OF 726.00 FEET TO A POINT ON THE EAST LINE OF SAID QUARTER SECTION; THENCE SOUTH 02 DEGREES 31 MINUTES 51 SECONDS WEST ON AND ALONG SAID EAST LINE A DISTANCE OF 300.00 FEET TO THE POINT OF BEGINNING, CONTAINING 5.00 ACRES, MORE OR LESS, SUBJECT HOWEVER TO ALL LEGAL RIGHTS-OF-WAY AND EASEMENTS OF RECORD.

#### BENCH MARK DATA

THIS TOPOGRAPHIC SURVEY WAS CREATED USING GPS EQUIPMENT AND THE INCORS NETWORK SYSTEM OPERATED BY THE INDIANA DEPARTMENT OF TRANSPORTATION. THE INCORS SYSTEM IS ON THE NAD83 HORIZONTAL AND NAVD 88 VERTICAL DATUMS.

CP#1: Mag Nail Set	N:1552291.168	E:218292.840	Elev=756.64
CP#2: Mag Nail Set	N:1552448.196	E:218330.960	Elev=756.22
CP#3: Mag Nail Set	N:1552426.525	E:218214.143	Elev=757.46
CP#4: Mag Nail Set	N:1552429.851	E:218139.449	Elev=757.37
CP#5: Mag Nail Set	N:1552305.773	E:218126.794	Elev=757.42
CP#6: Rebar Set	N:1552385.812	E:217764.166	Elev=761.95
CP#7: Rebar Set	N:1552212.913	E:217707.760	Elev=757.73
CP#8: Rebar Set	N:1552199.117	E:218152.136	Elev=754.56



## ANIMAL SHELTER ADDITIONS JOHNSON COUNTY COMMISSIONERS

2160 N. GRAHAM RD  
FRANKLIN, INDIANA 46131

**Tesco**  
TOTAL ENGINEERING SOLUTIONS COMPANY, LLC  
9955 Crosspoint Blvd., Suite 100  
INDIANAPOLIS, IN 46256  
P (317) 537-2410  
www.tesco-solutions.com

REGISTERED PROFESSIONAL ENGINEER  
No. 60900103  
STATE OF INDIANA  
DONALD R. HUMPHREY  
07/05/22  
Certified By: *Don Humphrey*

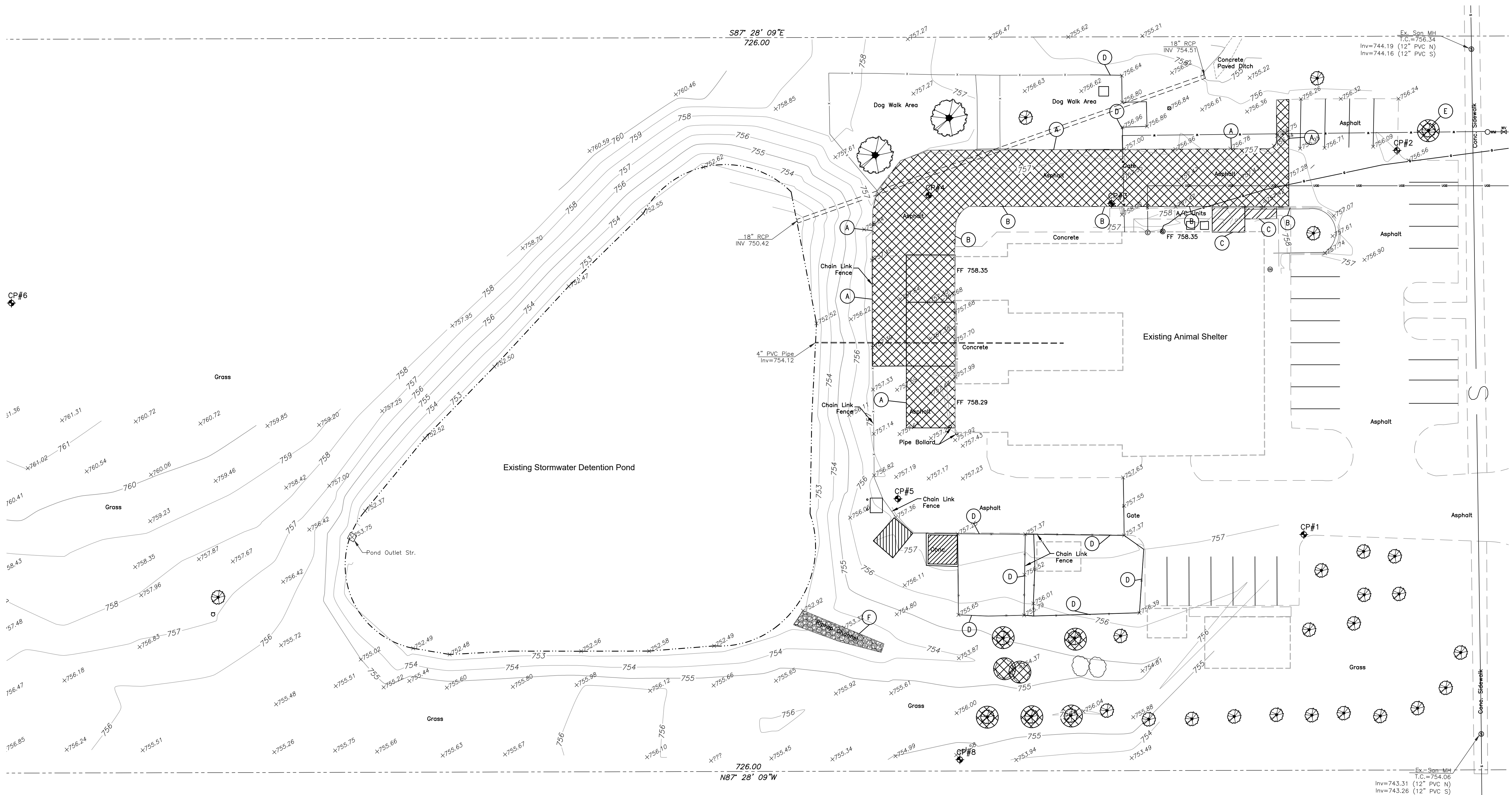
REVISIONS			
No.	Date	Description	
1	05-28-22	50% Construction Drawings	
2	07-05-22	Permit Review Set	

SHEET TITLE:  
TOPOGRAPHIC  
SURVEY

SHEET NUMBER:  
C100

Project No. 22019





SITE DEMOLITION NOTES

A

DEMOLISH AND REMOVE EXISTING BITUMINOUS ASPHALT PAVEMENT

B

DEMOLISH AND REMOVE EXISTING CONCRETE CURB

C

DEMOLISH AND REMOVE EXISTING CONCRETE SIDEWALK & PADS

D

REMOVE EXISTING CHAIN LINK FENCE & POSTS

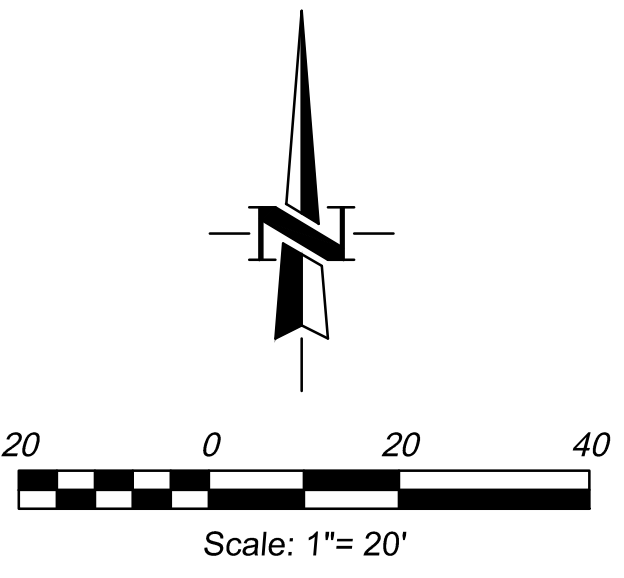
E

REMOVE EXISTING TREE & STUMP

F

DEMOLISH AND REMOVE EXISTING RIPRAP

GENERAL DEMOLITION NOTE:  
CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL CONCRETE, ASPHALT, LANDSCAPING, EQUIPMENT, AND OTHER ITEMS WITHIN THE LIMITS OF THE NEW BUILDING ADDITION AND SITE IMPROVEMENTS. WHILE THIS DRAWING HAS ATTEMPTED TO IDENTIFY THE MAJOR ITEMS REQUIRING DEMOLITION, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE TO IDENTIFY THE FULL SCOPE OF DEMOLITION WORK. UNLESS SPECIFICALLY NOTED, ALL DEMOLISHED ITEMS AND MATERIALS SHALL BE REMOVED FROM THE SITE AS PART OF THE CONTRACT WORK.



Tesco

TOTAL ENGINEERING SOLUTIONS COMPANY, LLC

9955 Crasport Blvd., Suite 100

INDIANAPOLIS, IN 46256

P (317) 537-2410

www.tesco-solutions.com

ANIMAL SHELTER ADDITIONS

JOHNSON COUNTY COMMISSIONERS

2160 GRAHAM RD

FRANKLIN, INDIANA 46131

Professional Engineer

60900103

STATE OF INDIANA

DAVID R. HUMPHREY

07.05.22

Certified By:

REVISIONS

No.	Date	Description
1	05-25-22	50% Construction Drawings
2	7-5-22	Permit Review Set

SHEET TITLE:

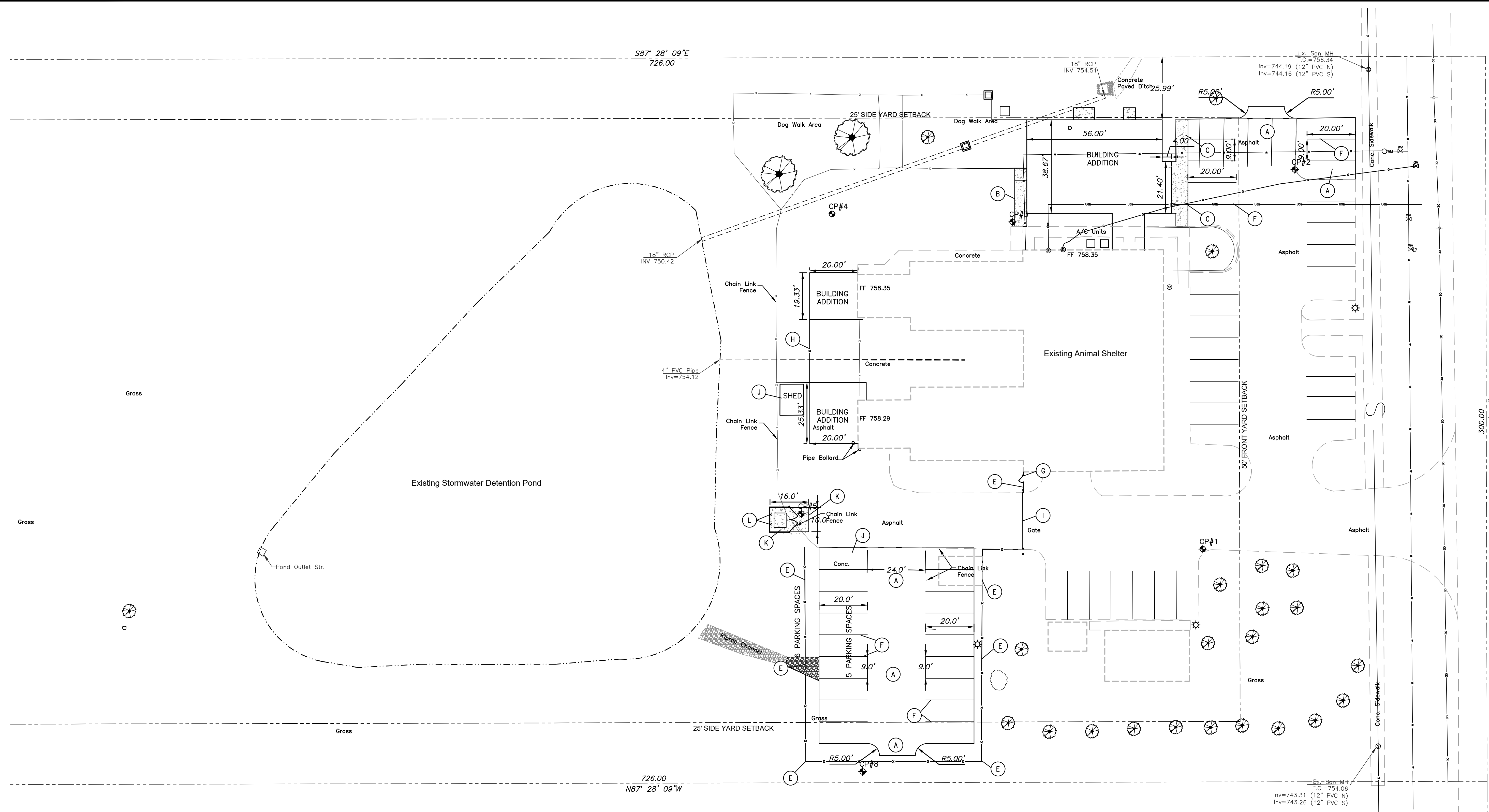
SITE DEMOLITION PLAN

SHEET NUMBER:

C101

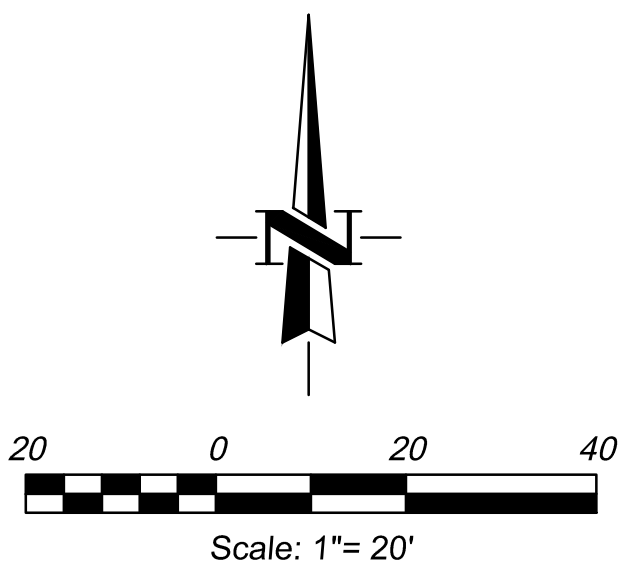
Project No. 22019





SITE IMPROVEMENTS NOTES

- (A) PROPOSED BITUMINOUS PAVEMENT, SEE DETAIL SHEET C105
- (B) PROPOSED CONCRETE SIDEWALK, SEE DETAIL SHEET C105
- (C) PROPOSED MONOLITHIC CURB & SIDEWALK, SEE DETAIL SHEET C105
- (D) PROPOSED CONCRETE STRAIGHT CURB, SEE DETAIL SHEET C105
- (E) PROPOSED CHAIN LINK FENCE (MATCH EXISTING)
- (F) PAVEMENT STRIPING, 4" SOLID WHITE
- (G) 3' SWING GATE & POSTS
- (H) PROPOSED 6' CHAIN LINK FENCE & GATE
- (I) NEW 24' SLIDE GATE WITH TOP & BOTTOM RAILS, CHAINLINK MESH, AND SUPPORT POSTS. PROVIDE MOTOR OPERATOR FOR GATE. SEE SHEET A101 FOR ENLARGED DETAIL.
- (J) RELOCATE EXISTING SHED
- (K) NEW CONCRETE PAVEMENT DUMPSTER PAD, SEE DETAIL SHEET C105 SEE ARCHITECTURAL PLANS FOR SCREENING FENCE DETAILS.
- (L) NEW CONCRETE FILLED STEEL PIPE BOLLARDS. SEE DETAIL SHEET C105



REVISIONS

No.	Date	Description
1	05-25-22	50% Construction Drawings
2	7-5-22	Permit Review Set

SHEET TITLE:  
SITE DEVELOPMENT  
PLAN

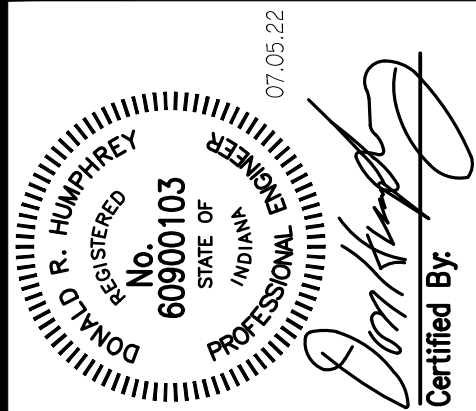
SHEET NUMBER:  
C102

Project No. 22019

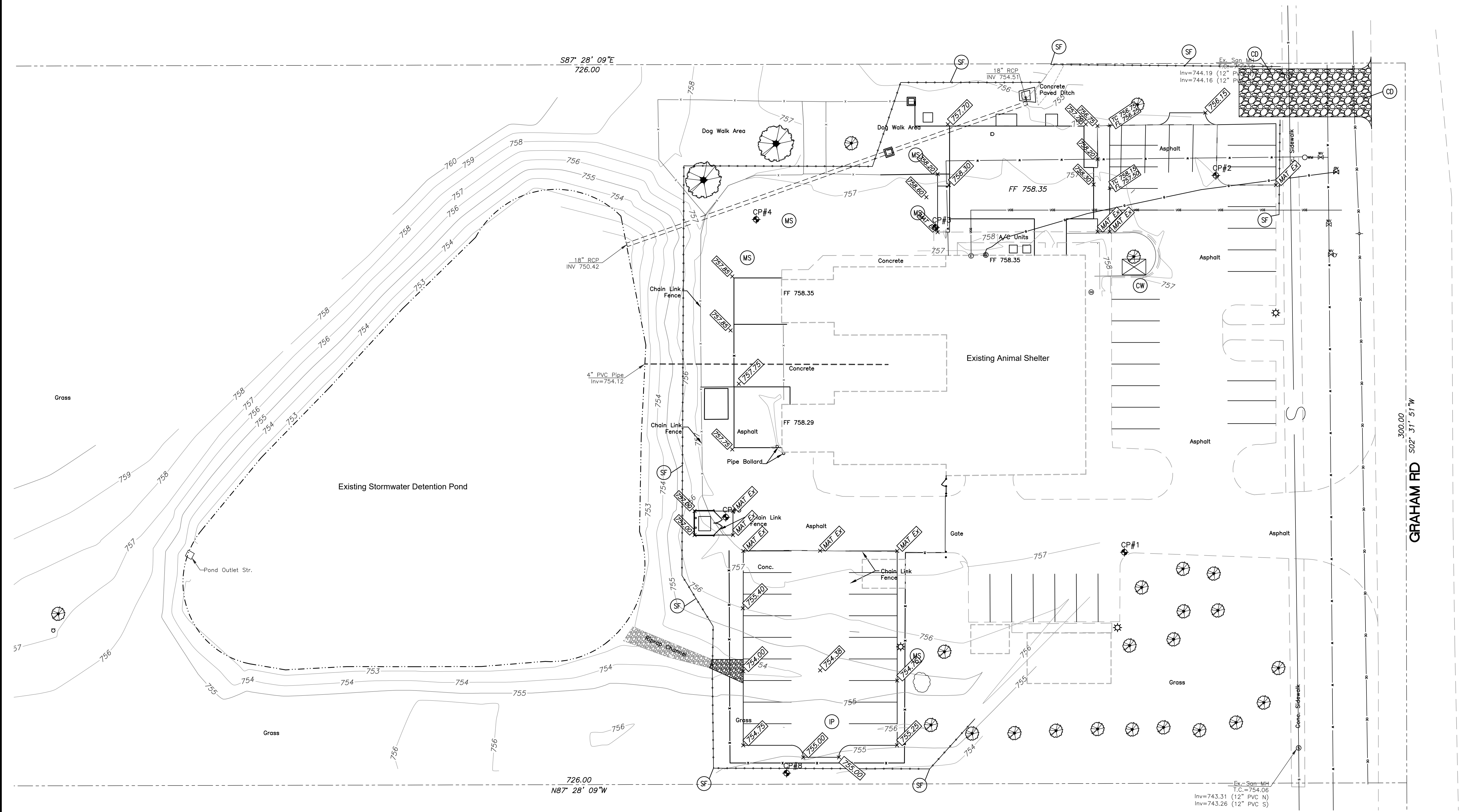
ANIMAL SHELTER ADDITIONS  
JOHNSON COUNTY COMMISSIONERS

2160 GRAHAM RD  
FRANKLIN, INDIANA 46131

**Tesco**  
TOTAL ENGINEERING SOLUTIONS COMPANY, LLC  
9955 Craspoint Blvd., Suite 100  
INDIANAPOLIS, IN 46256  
P (317) 537-2410  
www.tesco-solutions.com





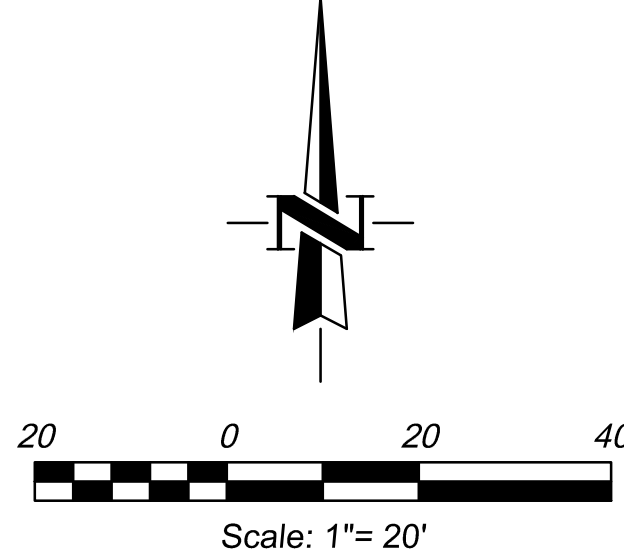


SEQUENCE OF CONSTRUCTION OPERATIONS -  
EROSION PREVENTION

- STEP #1. INSTALL SILT FENCING & OTHER EROSION CONTROL MEASURES  
STEP #2. REMOVE EXISTING TOPSOIL, ASPHALT & CONCRETE UNDER NEW BUILDING ADDITIONS  
STEP #3. EXCAVATE FOR NEW BUILDINGS AND SITE IMPROVEMENTS  
STEP #4. EXCAVATE & INSTALL NEW STORM SEWERS AND UTILITIES  
STEP #5. INSTALL INLET PROTECTION ON NEW INLETS  
STEP #6. INSTALL NEW ASPHALT & CONCRETE  
STEP #7. PLACE TOPSOIL, & SEED DESIGNATED AREAS  
STEP #8. REMOVE EROSION CONTROL ITEMS UPON COMPLETION OF WORK

GRADING LEGEND	
PROPOSED CONTOUR	100
PROPOSED SWALE	
PROPOSED TOP OF CURB ELEVATION	+TC 100.00 FL 100.50
PROPOSED BOTTOM OF CURB ELEVATION	+100.00
PROPOSED SPOT GRADE ELEVATION	+100.00
EXISTING SPOT GRADE ELEVATION	+100.00
EXISTING CONTOUR	100

EROSION CONTROL LEGEND	
(SF)	SILTATION FENCE - INSTALL ALONG THE LOWER EDGE OF ALL AREAS NOT TO BE PAVED
(MS)	PERMANENT SEEDING OF ALL DISTURBED AREAS NOT SCHEDULED FOR HARD SURFACE
(CW)	CONCRETE WASHOUT BASIN. SEE DETAIL SHEET C107
(CD)	CONSTRUCTION ACCESS DRIVE - 20'x50' STONE ACCESS DRIVE, SEE DETAIL SHEET C107
(IP)	INLET PROTECTION. SEE DETAIL SHEET C107
(RP)	RIPRAP AT PIPE OUTFALL FOR EROSION PROTECTION SEE DETAIL SHEET C106



ANIMAL SHELTER ADDITIONS  
JOHNSON COUNTY COMMISSIONERS  
  
2160 GRAHAM RD  
FRANKLIN, INDIANA 46131

Professional Engineer Seal for Donal R. Humphrey, No. 60900103, State of Indiana, dated 07.05.22. Signature of Donal R. Humphrey, Certified By.

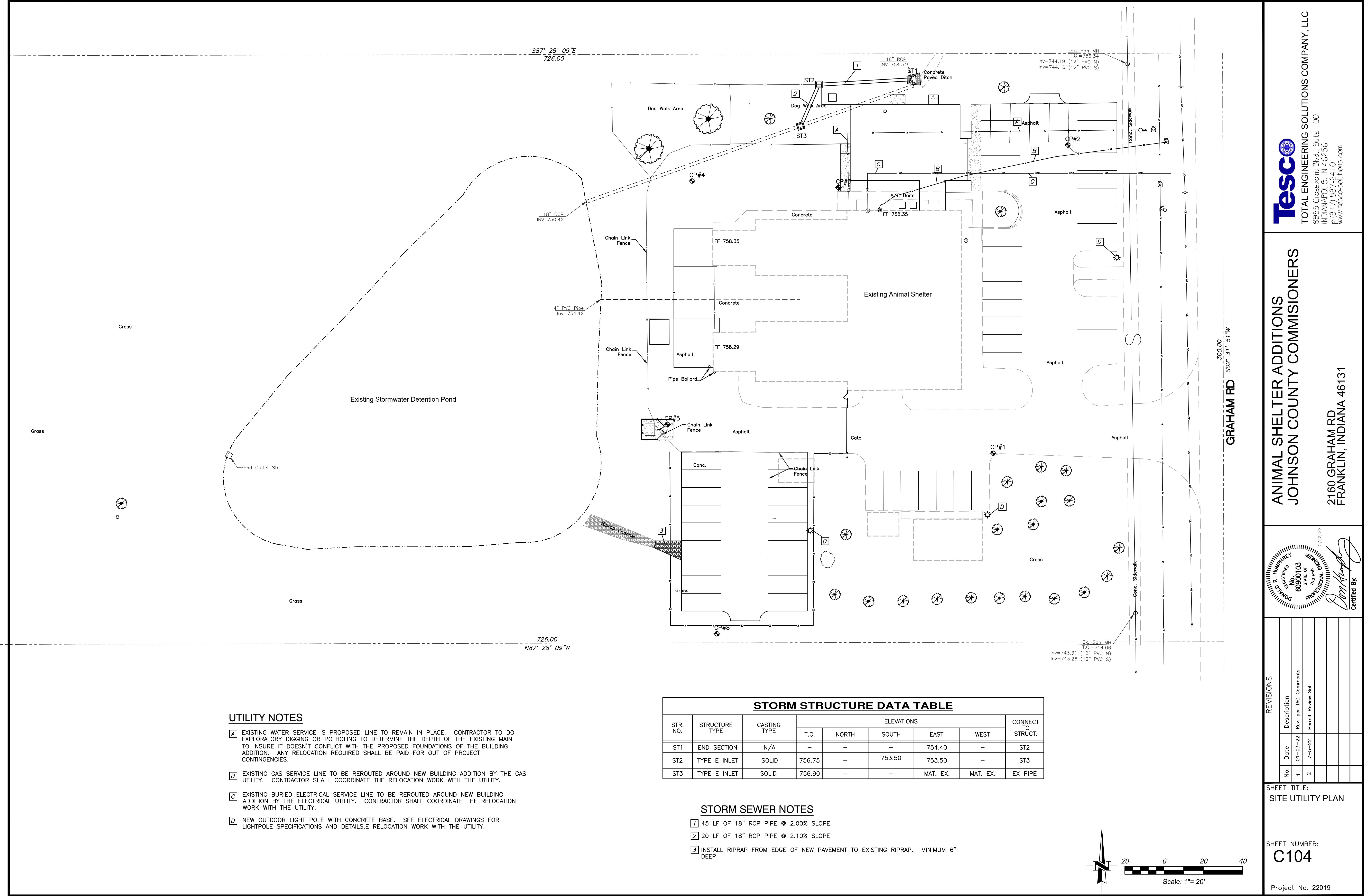
REVISIONS				
No.	Date	Description	By	Check
1	05-25-22	50% Construction Drawings		
2	7-5-22	Permit Review Set		

SHEET TITLE:  
SITE GRADING &  
EROSION CONTROL  
PLAN

SHEET NUMBER:  
**C103**

Project No. 22019





UTILITY NOTES

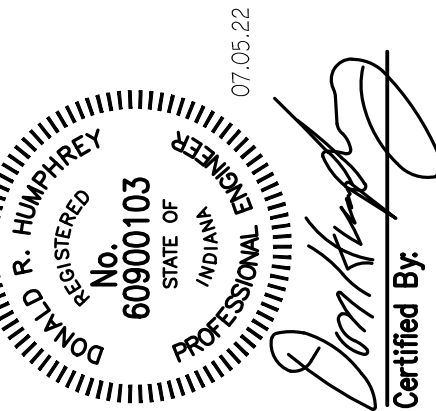
- [A] EXISTING WATER SERVICE IS PROPOSED LINE TO REMAIN IN PLACE. CONTRACTOR TO DO EXPLORATORY DIGGING OR POTHOLING TO DETERMINE THE DEPTH OF THE EXISTING MAIN TO INSURE IT DOESN'T CONFLICT WITH THE PROPOSED FOUNDATIONS OF THE BUILDING ADDITION. ANY RELOCATION REQUIRED SHALL BE PAID FOR OUT OF PROJECT CONTINGENCIES.
- [B] EXISTING GAS SERVICE LINE TO BE REROUTED AROUND NEW BUILDING ADDITION BY THE GAS UTILITY. CONTRACTOR SHALL COORDINATE THE RELOCATION WORK WITH THE UTILITY.
- [C] EXISTING BURIED ELECTRICAL SERVICE LINE TO BE REROUTED AROUND NEW BUILDING ADDITION BY THE ELECTRICAL UTILITY. CONTRACTOR SHALL COORDINATE THE RELOCATION WORK WITH THE UTILITY.
- [D] NEW OUTDOOR LIGHT POLE WITH CONCRETE BASE. SEE ELECTRICAL DRAWINGS FOR LIGHTPOLE SPECIFICATIONS AND DETAILS.E RELOCATION WORK WITH THE UTILITY.

STORM STRUCTURE DATA TABLE

STORM STRUCTURE DATA TABLE								
STR. NO.	STRUCTURE TYPE	CASTING TYPE	ELEVATIONS					CONNECT TO STRUCT.
			T.C.	NORTH	SOUTH	EAST	WEST	
ST1	END SECTION	N/A	—	—	—	754.40	—	ST2
ST2	TYPE E INLET	SOLID	756.75	—	753.50	753.50	—	ST3
ST3	TYPE E INLET	SOLID	756.90	—	—	MAT. EX.	MAT. EX.	EX PIPE

STORM SEWER NOTES

- [1] 45 LF OF 18" RCP PIPE @ 2.00% SLOPE
- [2] 20 LF OF 18" RCP PIPE @ 2.10% SLOPE
- [3] INSTALL RIPRAP FROM EDGE OF NEW PAVEMENT TO EXISTING RIPRAP. MINIMUM 6" DEEP.



REVISIONS

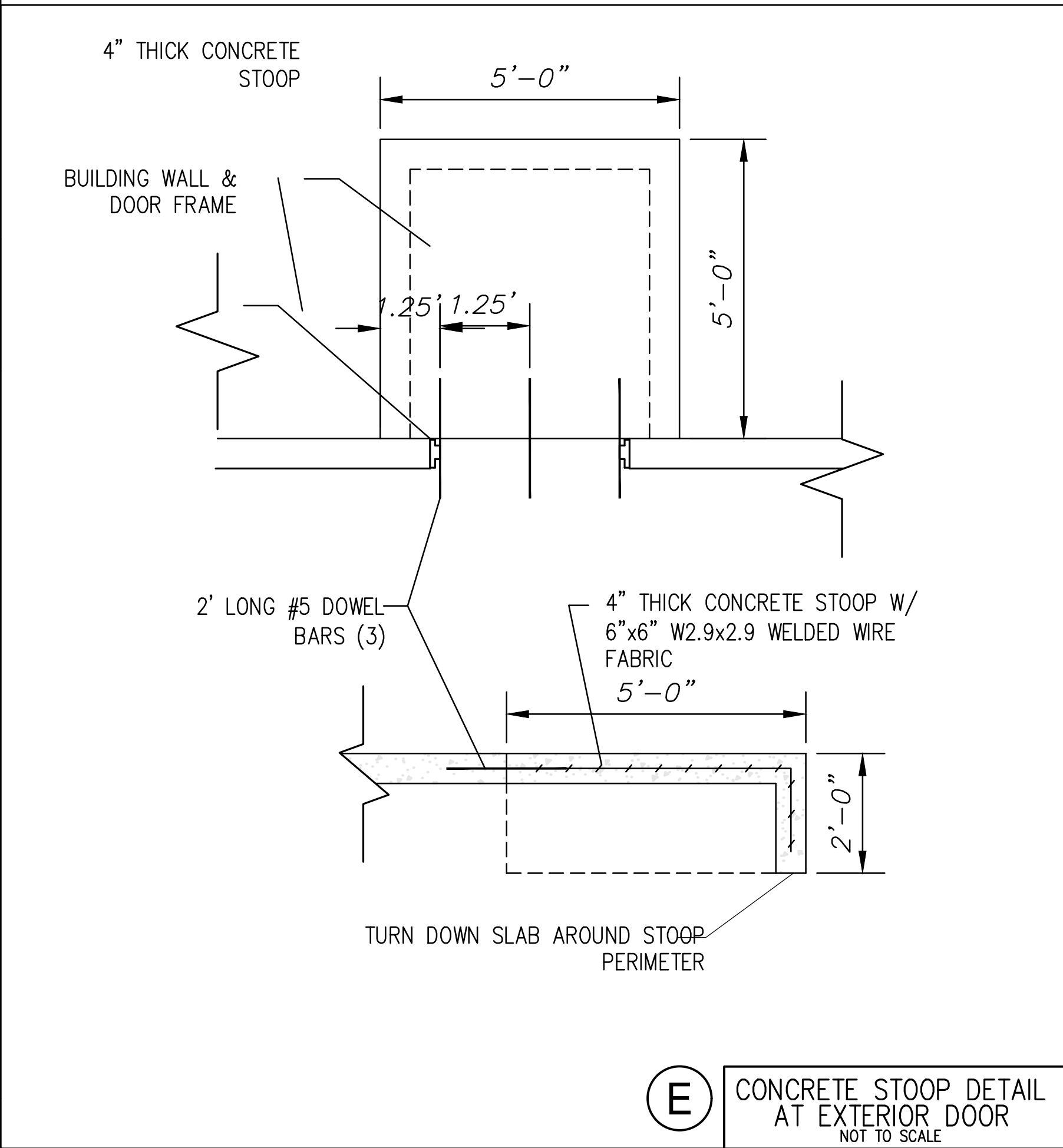
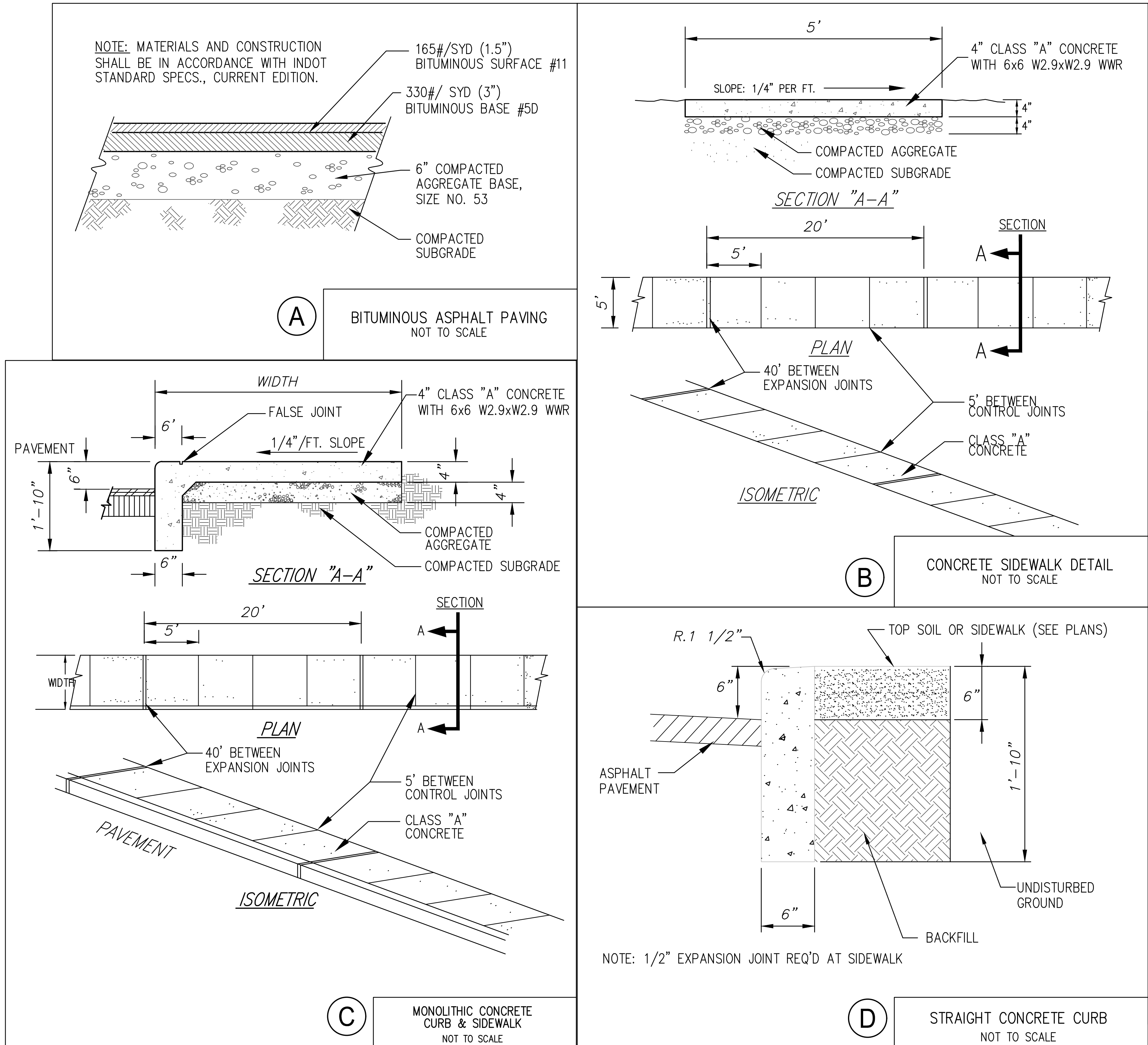
No.	Date	Description
1	01-03-22	Rev. per TAC Comments
2	7-5-22	Permit Review Set

SHEET TITLE:  
SITE UTILITY PLAN

SHEET NUMBER:  
C104

Project No. 22019



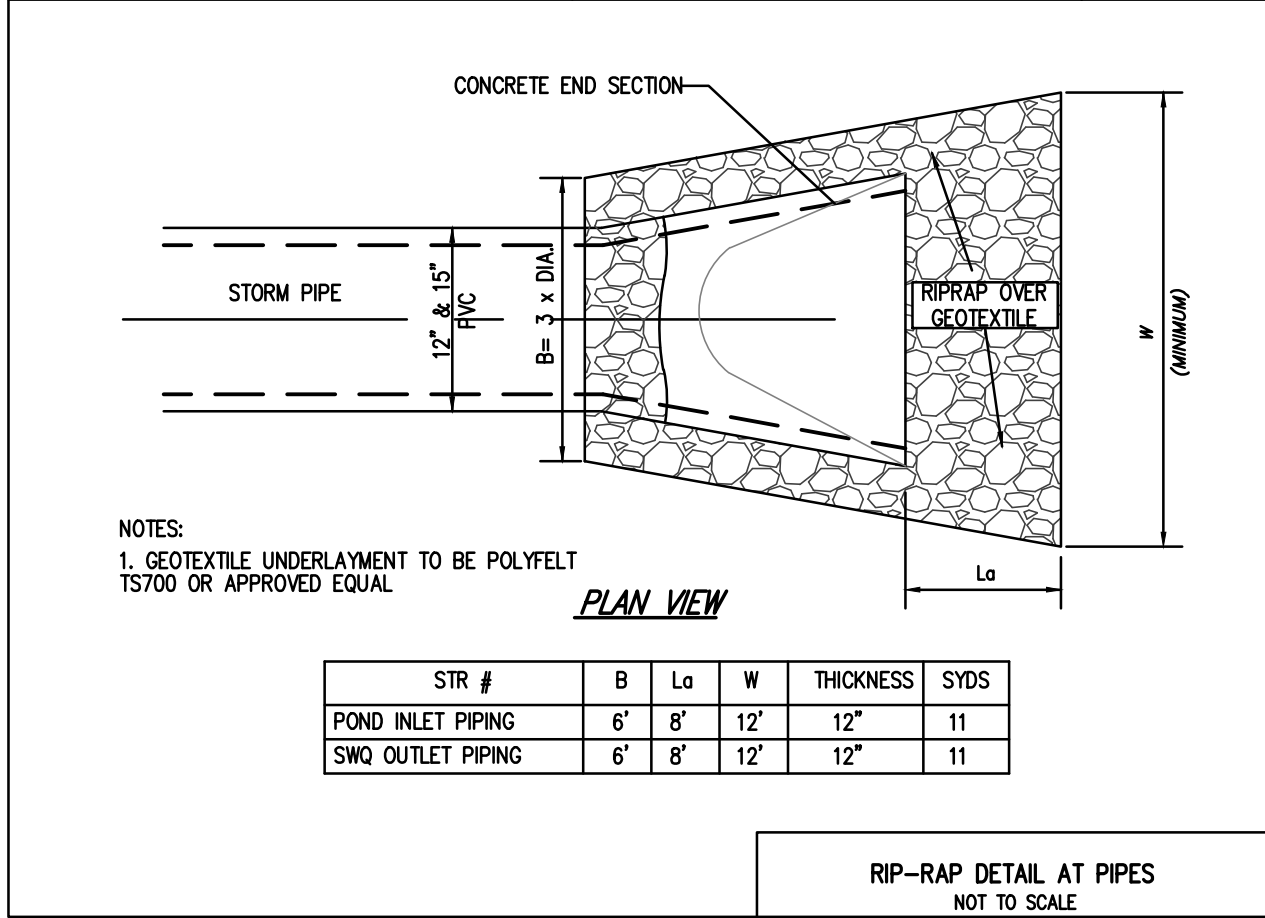
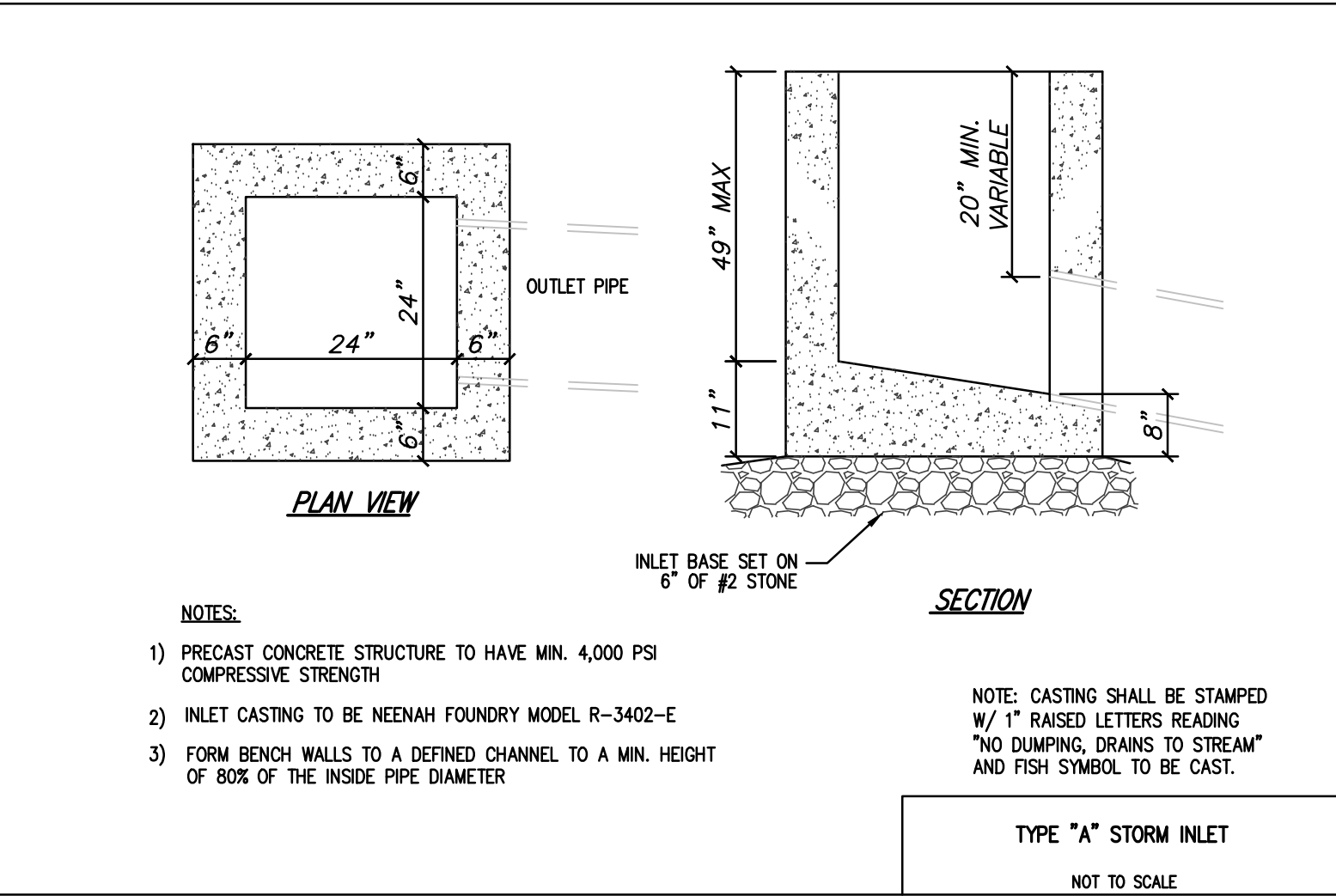
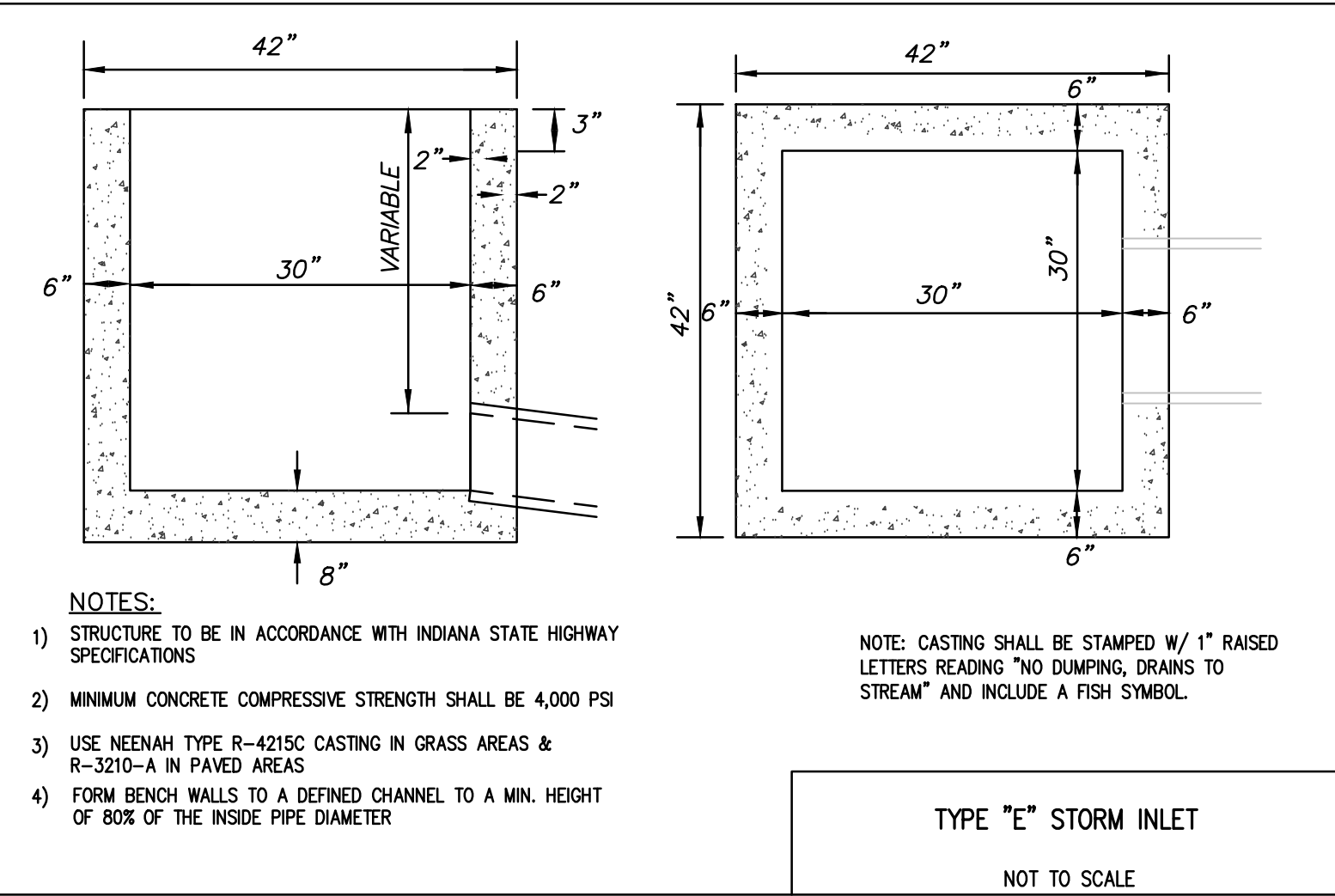
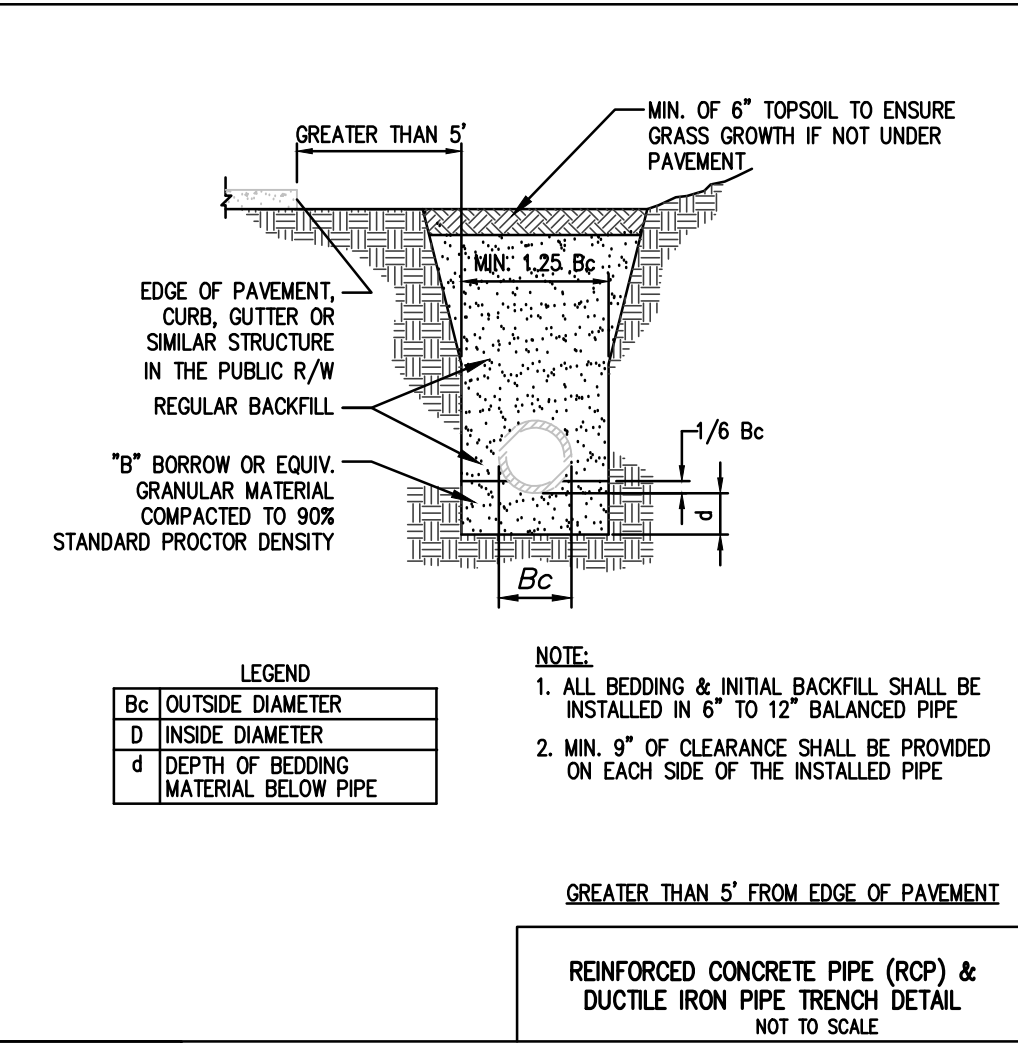
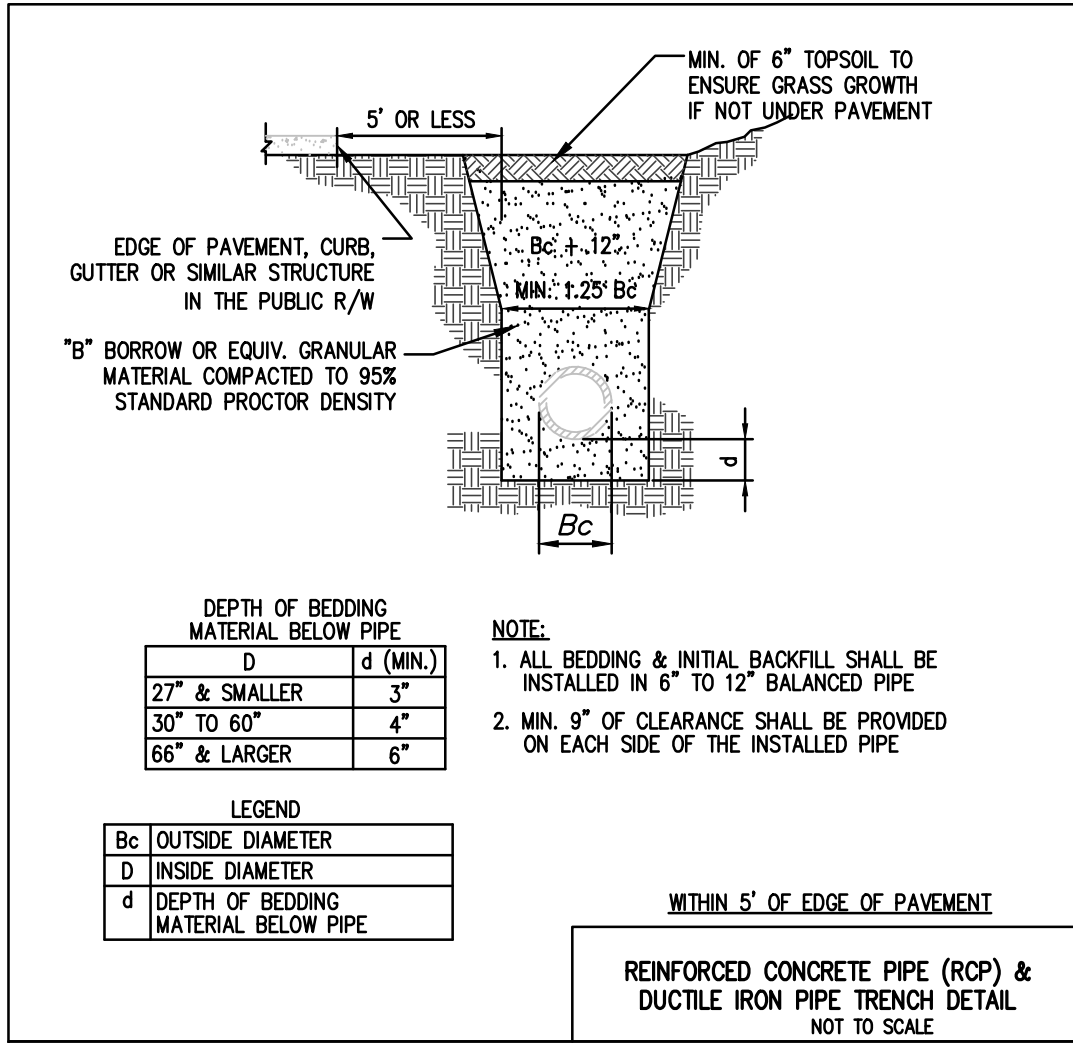


REVISIONS				
No.	Date	Description	By	Check
1	05-25-22	50% Construction Drawings		
2	7-5-22	Permit Review Set		

SHEET TITLE:  
CIVIL/SITE DETAILS

SHEET NUMBER:  
C105





REVISIONS				
No.	Date	Description		
1	05-25-22	50% Construction Drawings		
2	7-5-22	Permit Review Set		

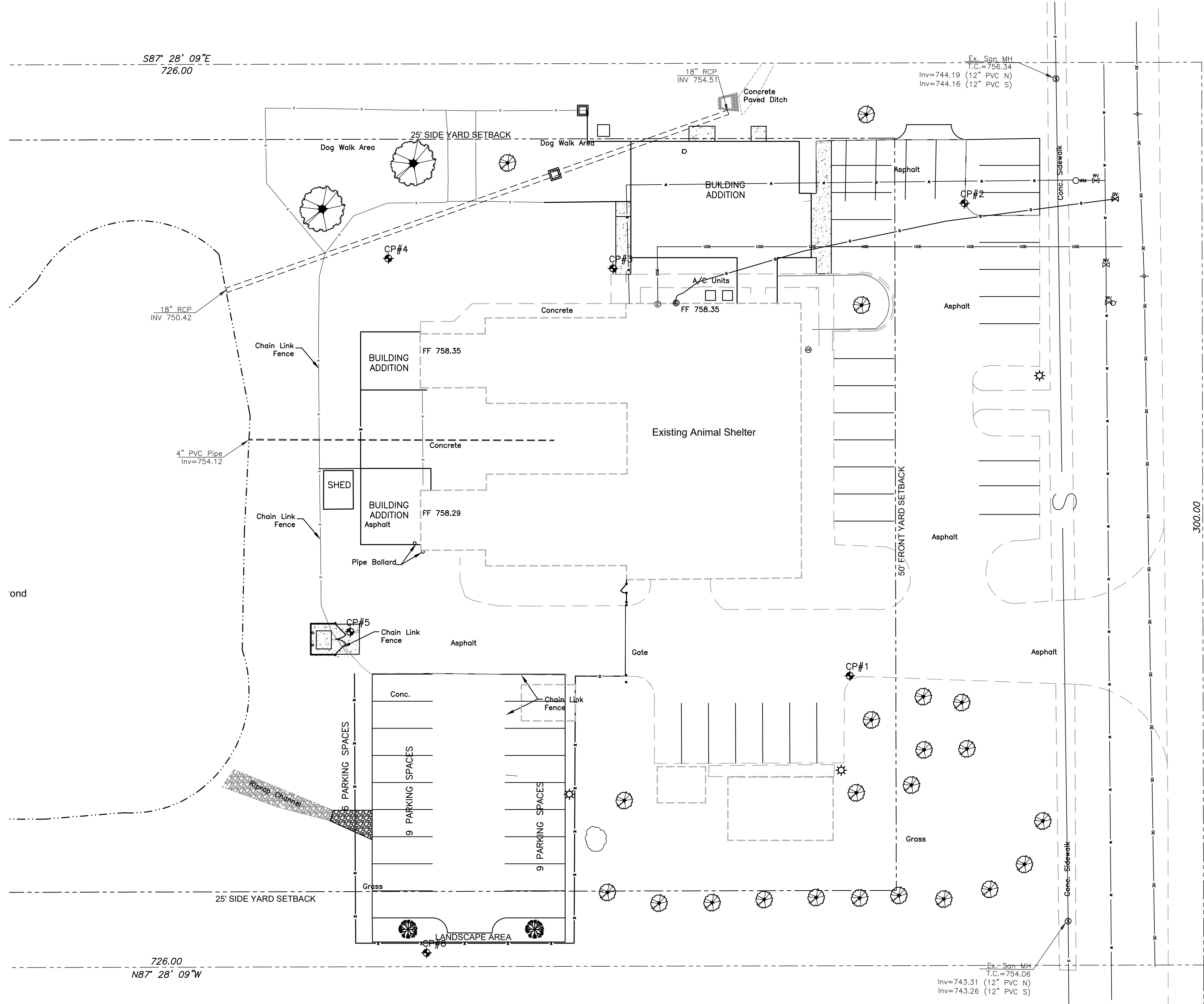
SHEET TITLE:  
SITE UTILITY DETAILS

SHEET NUMBER:  
C106









PLANT SCHEDULE						
Quantity	Symbol	Botanical Name	Common Name	Size	Container	Notes
<i>Trees</i>						
2		Acer rubrum "Autumn Flame"	Armstrong Red Maple	2.5"	B&B	Matched, Full

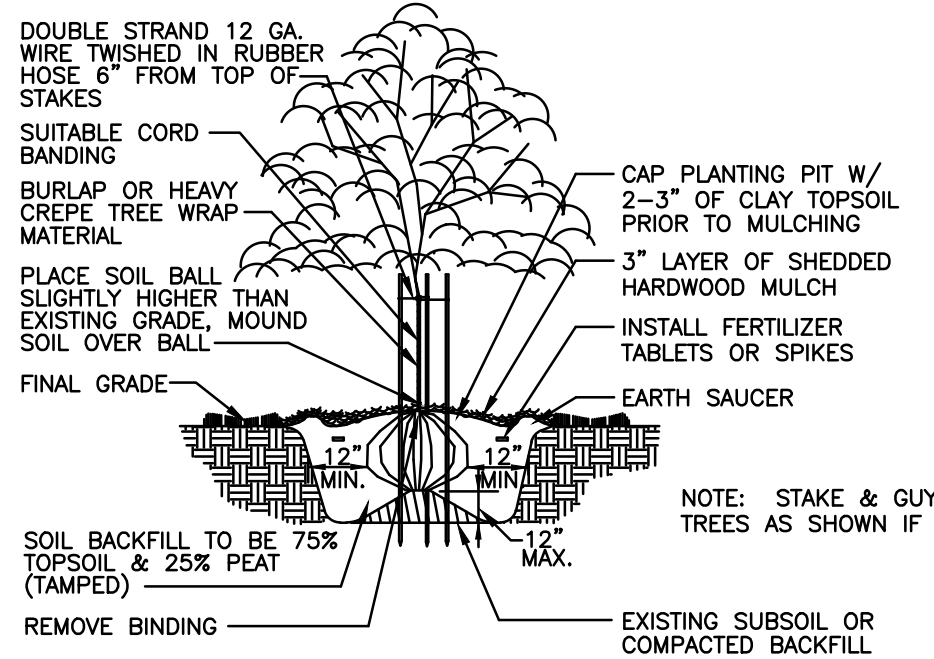
Parking Lot Landscape Requirements(Perimeter)

Total Parking Lot Frontage = 80' facing Graham Rd.  
Required plantings are 1 tree & 1 bush per 80'  
Existing plantings include 15 trees and 1 large bush

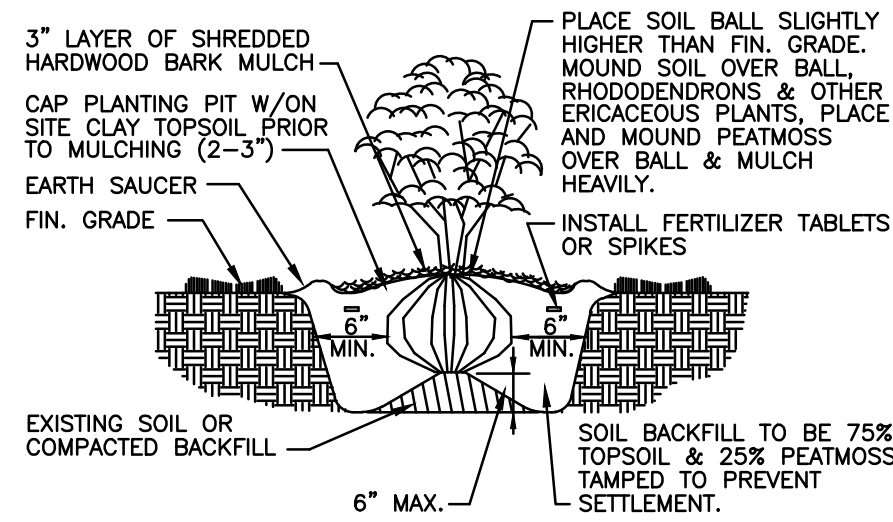
Parking Lot Landscape Requirements(Interior)

Total Parking Lot Area = 5,200 SF  
Required Interior Landscaped Area = 5% of Paved Area  
Interior Landscape Area Required = 5,200 SF x 5% = 260 SF  
Landscape Area Provided = 420 SF

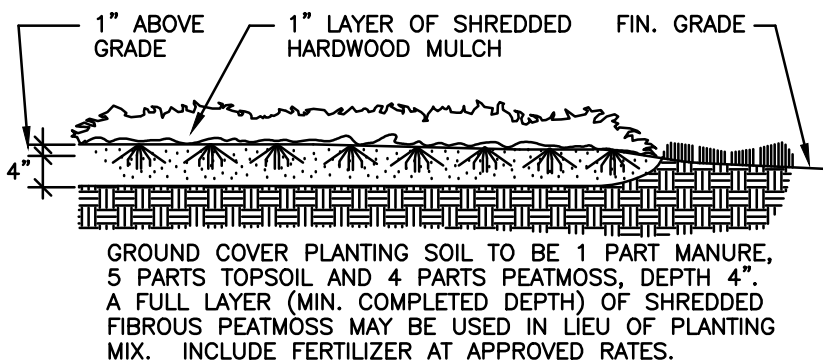
Required Plantings = 1 tree per 300 SF  
Plantings Provided = 2 trees



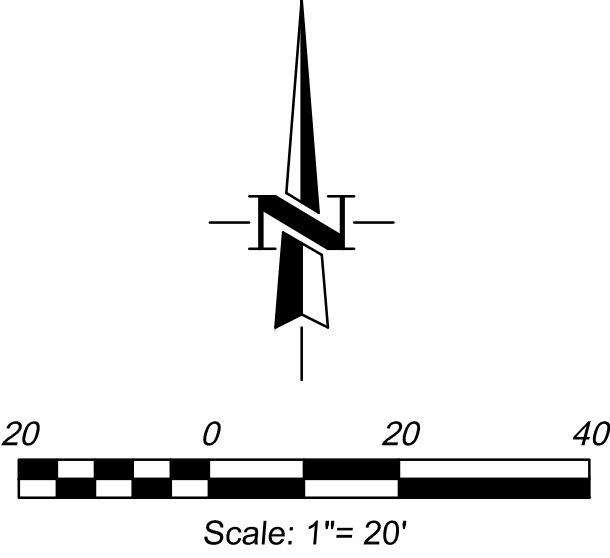
TREE PLANTING DETAIL  
NTS



SHRUB PLANTING DETAIL  
NTS



GROUND COVER OR FLOWER BED DETAIL



REVISIONS		
No.	Date	Description
1	05-25-22	50% Construction Drawings
2	7-5-22	Permit Review Set