

COMPASS PARK
INDIANA MASONIC HOME

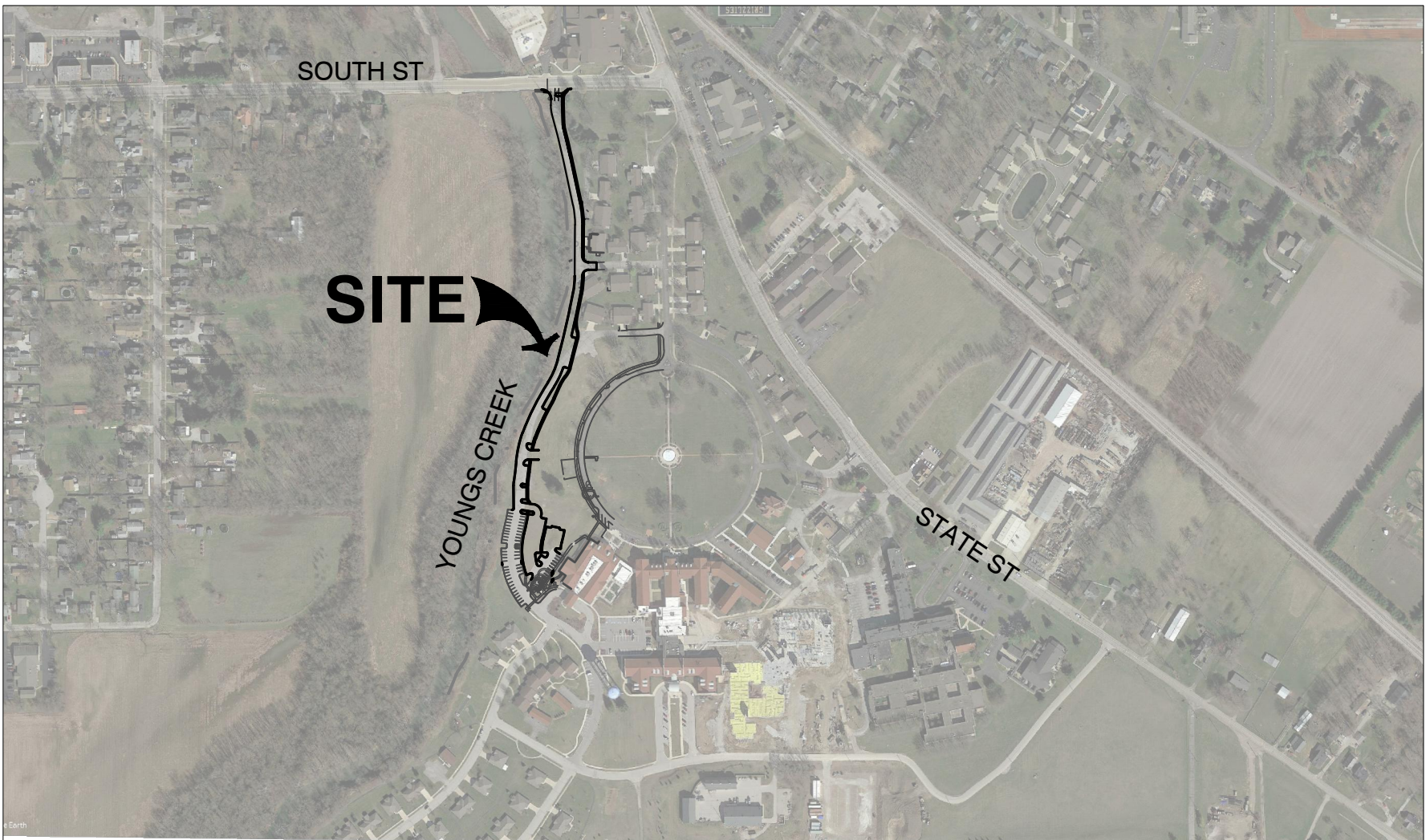
690 STATE STREET, FRANKLIN IN 46131

CONSTRUCTION PLANS

June 7, 2018



LOCATION MAP
JOHNSON COUNTY, INDIANA



VICINITY MAP

UTILITY CONTACTS:

NATURAL GAS:
VECTREN
1630 N. Meridian St.
INDIANAPOLIS, IN 46202
PHONE: 317-926-3351
CUSTOMER SERVICE

ELECTRIC:
DUKE ENERGY
TAYLOR AUSTIN
2515 N MORTON STREET
FRANKLIN, IN 46131
PHONE: 317-412-8822

COMCAST CABLE
10 E COURT STREET
INDIANAPOLIS, IN 46204
PHONE: 317-936-9023

WATER:
INDIANA AMERICAN WATER
RON BALLARD
2501 ENDRESS PLACE
GREENWOOD, IN 46143
PHONE: 317-881-0270

TELEPHONE / FIBER / CABLE:
AT&T
1711 N MORTON ST
FRANKLIN, IN 46131
PHONE: 317-738-0965

SEWER:
DEPARTMENT OF PUBLIC WORKS
796 S STATE ST.
FRANKLIN, IN 46131
PHONE: 317-736-3640
CUSTOMER SERVICE

WINDSTREAM
701 W HENRY ST STE 102
INDIANAPOLIS, IN 46225
PHONE: 317-472-2000

CENTURYLINK
1147 N MORTON ST
FRANKLIN, IN 46131
PHONE: 888-984-7942

METRO FIBERNET
111 COMMERCE DRIVE
FRANKLIN, IN 46131
PHONE: 317-739-0739

INFRASTRUCTURE:
CITY ENGINEER
MARK RICHARDS
70 E MONROE ST
FRANKLIN, INDIANA 46131
877-736-3631

UTILITY NOTE:
THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN-SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH THE SURVEYOR DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES. INDIANA 811 ONE-CALL PUBLIC UTILITY LOCATE SERVICE TICKET NUMBERS 1804040379, 1804040542, 1804040727, 1804040781, AND 1804040917 WERE ISSUED FOR THIS SITE. BLOODHOUND (BHUG), A PRIVATE SUBSURFACE UTILITY LOCATING SERVICE, WAS CONTRACTED TO PERFORM THE PRIVATE UTILITY LOCATIONS FOR THE SUBJECT SITE.

PRIOR TO ANY EXCAVATION FOR UNDERGROUND UTILITIES. CONTRACTOR SHALL EXPOSE AND VERIFY LOCATIONS (HORIZONTAL AND VERTICAL) OF ALL EXISTING UTILITIES INCLUDING BUT NOT LIMITED TO GAS, WATER, AND SANITARY SEWER. ANY CONFLICTS SHALL BE REPORTED IMMEDIATELY TO THE ENGINEER AND THE APPROPRIATE AUTHORITIES.

CONSULTANT TEAM:

DEVELOPER/OWNER
INDIANA MASONIC HOME
690 STATE STREET,
FRANKLIN, IN 46131
PH: (317) 924-6226
CONTACT: DENNY SHEETS

CIVIL ENGINEER
CIVIL & ENVIRONMENTAL
CONSULTANTS, INC.
530 E. OHIO STREET, SUITE G
INDIANAPOLIS, IN 46204
PH: (317) 655-7777
CONTACT: AARON HURT

SURVEYOR
CIVIL & ENVIRONMENTAL
CONSULTANTS, INC.
530 E. OHIO STREET, SUITE G
INDIANAPOLIS, IN 46204
PH: (317) 655-7777
CONTACT: ANTHONY SYERS

CONSTRUCTION MANAGER
SHIEL SEXTON COMPANY, INC.
902 NORTH CAPITOL AVENUE
INDIANAPOLIS, IN 46204
PH: (317) 423-6000
CONTACT: ROSS DALTON

CITY OF FRANKLIN CODE COMPLIANCE

CODE COMPLIANCE OFFICIAL
70 E MONROE STREET
FRANKLINS, IN 46131
PH: (317) 736 - 3631 X 1256
CONTACT: DAVE WALTERS

NOTE:
TOTAL SITE AREA = 2.70 ACRES

BENCHMARKS:
UNLESS OTHERWISE NOTED, ELEVATIONS SHOWN HEREON ARE BASED UPON AN OPUS SOLUTION AND ARE ON THE 1988 NORTH AMERICAN VERTICAL DATUM (NAVD88). IT IS MY OPINION THAT THE UNCERTAINTY IN THE ELEVATION OF THE PROJECT BENCHMARK DOES NOT EXCEED 0.10 FOOT.

TBM #1
CUT "SQUARE" ON THE SOUTHWEST CORNER OF A TRANSFORMER PAD
LOCATED AT THE NORTH END OF THE SITE.
ELEVATION = 724.45

TBM #2
CUT "X" ON THE EAST BONNETT BOLT OF A FIRE HYDRANT LOCATED IN THE CENTER OF THE SITE.
ELEVATION = 729.17

TBM #3
CUT "X" ON THE ARROW BONNETT BOLT OF A FIRE HYDRANT LOCATED IN THE SOUTH PORTION OF THE SITE.
ELEVATION = 727.46



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3	EXISTING CONDITIONS	C101
4	EXISTING CONDITIONS	C102
5	EXISTING CONDITIONS	C103
6	DEMOLITION PLAN	C104
7	DEMOLITION PLAN	C105
8	DEMOLITION PLAN	C106
9	OVERALL SITE LAYOUT	C200
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11	SITE LAYOUT	C202
12	SITE LAYOUT	C203
13	OVERALL GRADING PLAN	C300
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16	GRADING PLAN	C303
17	OVERALL STORMWATER PLAN	C400
18	STORMWATER PLAN	C401
19	STORMWATER PLAN	C402
20	STORMWATER PLAN	C403
21	OVERALL UTILITY PLAN	C500
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25	SITE DETAILS	C800
26	SITE DETAILS	C801
27	SITE DETAILS	C802
28	SITE DETAILS	C803
29	OVERALL STORMWATER POLLUTION PREVENTION PLAN	C900
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32	STORMWATER POLLUTION PREVENTION PLAN	C903
33	STORMWATER POLLUTION PREVENTION NOTES	C904
34	STORMWATER POLLUTION PREVENTION DETAILS	C905

REVISION RECORD

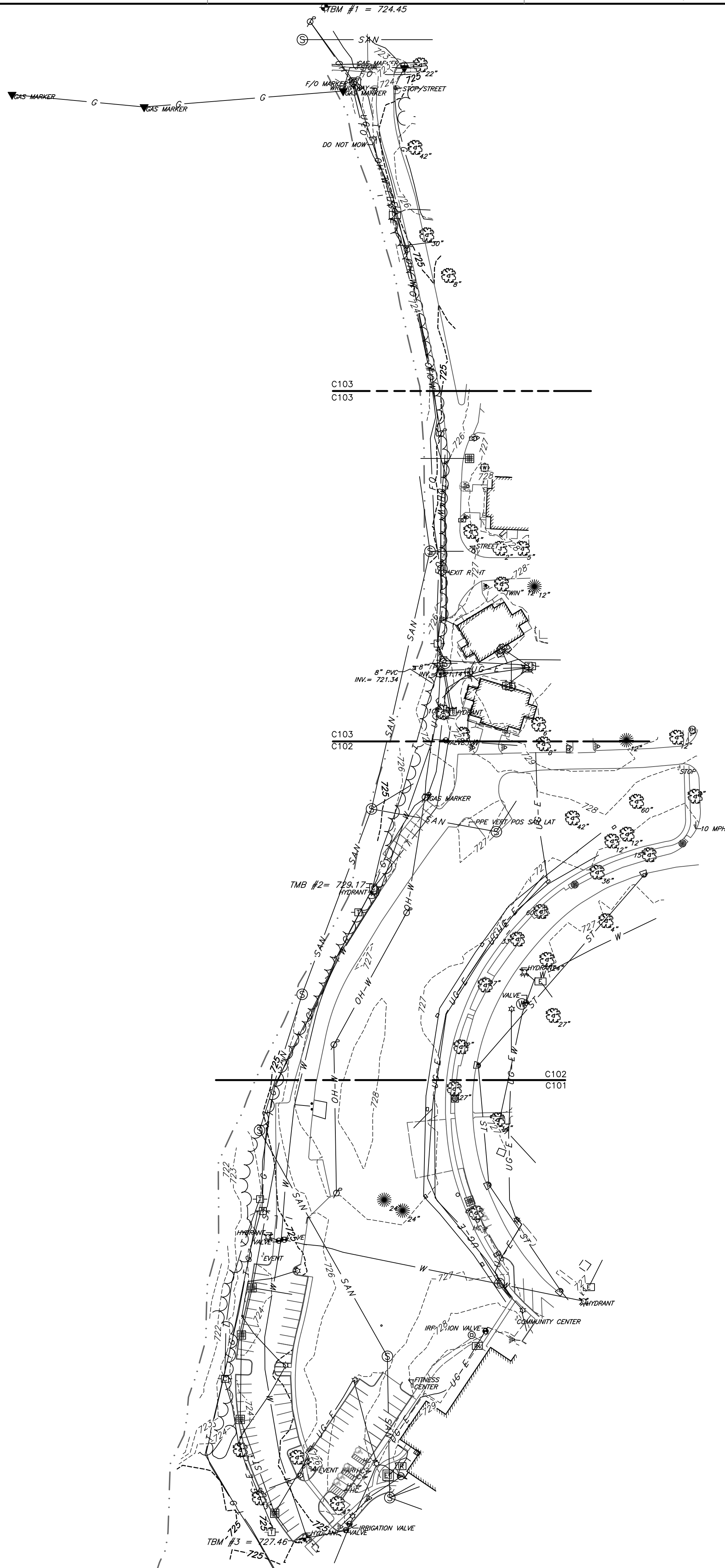
NO	DATE	DESCRIPTION

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317-655-7777 - 877-746-0749
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FRANKLIN, IN 46131

TITLE SHEET
DRAWING NO.: C000
DATE: JUNE 7, 2018
DWN SCALE: NTS
PROJECT NO.: 180-416
APPROVED BY: [Signature]
SHEET 01 OF 34

P:\2018\180-416-CAD\Draw\C100 Construction Doc\180416-CAD-C100.dwg(1/10) LS(6/6/2018 - 6:06pm) - LP 6/7/2018 8:06 AM



LEGEND:

- 970--- EXISTING INDEX CONTOUR
- 875--- EXISTING INTERMEDIATE CONTOUR
- EXISTING IRON FENCE LINE
- EXISTING CHAINLINK FENCE LINE
- EXISTING FLOW LINE
- W--- EXISTING WATER LINE
- T--- EXISTING UNDERGROUND TELEPHONE
- F/O--- EXISTING FIBER OPTIC LINE
- UG-E--- EXISTING UNDERGROUND ELECTRIC
- OH-W--- EXISTING OVERHEAD LINES
- SAN--- EXISTING SANITARY SEWER LINE
- ST--- EXISTING STORM SEWER LINE
- G--- EXISTING GAS LINE
- ☆ □ ∅ → □ ELEC. LIGHT POLE, PULL BOX, POWER POLE, UTILITY POLE, GUY WIRE, ELEC. TRANSFORMER, ELEC. METER
- ⋈ GROUND LIGHT
- ⊙ ⊙ ⊙ GAS VALVE, GAS METER, GAS LINE MARKER
- ⊠ ⊠ ⊠ ⊠ ⊠ IRRIGATION CONTROL BOX, WATER TAP, WATER METER, FIRE HYDRANT, PIV VALVE, FIRE DEPT. CONNECTION
- ⊠ ⊠ ⊠ ⊠ ⊠ ELECTRIC MANHOLE, TELEPHONE PEDESTAL, CABLE PEDESTAL, FIBER OPTIC PULL BOX
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- ⊠ ⊠ ⊠ ⊠ ⊠ PARKING METER, TRAFFIC POLE, TRAFFIC MANHOLE, PARKING SPACE COUNT
- ⊠ ⊠ ⊠ ⊠ ⊠ DECIDUOUS TREE, CONIFEROUS TREE, BUSH
- × 1082.40 EXISTING SPOT ELEVATION

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CUT "SQUARE" ON THE SOUTHWEST CORNER OF A TRANSFORMER PAD LOCATED AT THE NORTH END OF THE SITE.
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CUT "X" ON THE EAST BONNETT BOLT OF A FIRE HYDRANT LOCATED IN THE CENTER OF THE SITE.
ELEVATION = 729.17

TBM #3
CUT "X" ON THE ARROW BONNETT BOLT OF A FIRE HYDRANT LOCATED IN THE SOUTH PORTION OF THE SITE.
ELEVATION = 727.46

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SCALE IN FEET
0 80 160

PRELIMINARY
NOT FOR CONSTRUCTION



OVERALL EXISTING CONDITIONS PLAN

DATE:	JUNE 7, 2018	DRAWN BY:	BEB
DWG SCALE:	1" = 80'	CHECKED BY:	ACH
PROJECT NO:	180-416	APPROVED BY:	

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690 STATE STREET
FRANKLIN, IN 46131

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530 E. Ohio Street - Suite G - Indianapolis, IN 46204
317-655-7777 · 877-746-0749
www.cesinc.com

REVISION RECORD

NO	DATE	DESCRIPTION

DRAWING NO.:

C100

SHEET 02 OF 34

A:\2018\180-416\CD\DWG\CD2 Construction Plans\180416-CD2-C100.dwg(101) LS(6/6/2018 - 06:06) - LP: 6/7/2018 8:06 AM



MATCHLINE - SEE SHT. C102

MATCHLINE - SEE SHT. C102

LEGEND:

- EXISTING INDEX CONTOUR
- EXISTING INTERMEDIATE CONTOUR
- EXISTING IRON FENCE LINE
- EXISTING CHAINLINK FENCE LINE
- EXISTING FLOW LINE
- EXISTING WATER LINE
- EXISTING UNDERGROUND TELEPHONE
- EXISTING FIBER OPTIC LINE
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- EXISTING STORM SEWER LINE
- EXISTING GAS LINE
- ELEC. LIGHT POLE, PULL BOX, POWER POLE, UTILITY POLE, GUY WIRE, ELEC. TRANSFORMER, ELEC. METER
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- MAIL BOX, SIGN, AIR COND., ADA SYMBOL, BOLLARD
- PARKING METER, TRAFFIC POLE, TRAFFIC MANHOLE, PARKING SPACE COUNT
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ELEVATION = 727.46

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REVISION RECORD

NO.	DATE	DESCRIPTION

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690 STATE STREET
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EXISTING CONDITIONS PLAN

DATE:	JUNE 7, 2019	DRAWN BY:	BEB
DWG SCALE:	1" = 20'	CHECKED BY:	ACH
PROJECT NO:	180-416	APPROVED BY:	

DRAWING NO. **C101**
SHEET 03 OF 34

**PRELIMINARY
NOT FOR CONSTRUCTION**



SCALE IN FEET
0 20 40



MATCHLINE - SEE SHT. C103

MATCHLINE - SEE SHT. C101

	EXISTING INDEX CONTOUR
	EXISTING INTERMEDIATE CONTOUR
	EXISTING IRON FENCE LINE
	EXISTING CHAINLINK FENCE LINE
	EXISTING FLOW LINE
	EXISTING WATER LINE
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	EXISTING STORM SEWER LINE
	EXISTING GAS LINE
	ELEC. LIGHT POLE, PULL BOX, POWER POLE, UTILITY POLE, GUY WIRE, ELEC. TRANSFORMER, ELEC. METER
	GROUND LIGHT
	GAS VALVE, GAS METER, GAS LINE MARKER
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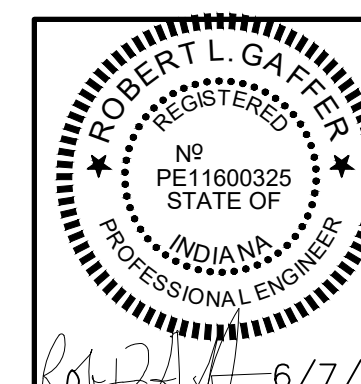
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PRELIMINARY
NOT FOR CONSTRUCTION



	EXISTING CONDITIONS PLAN
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DRAWING NO.



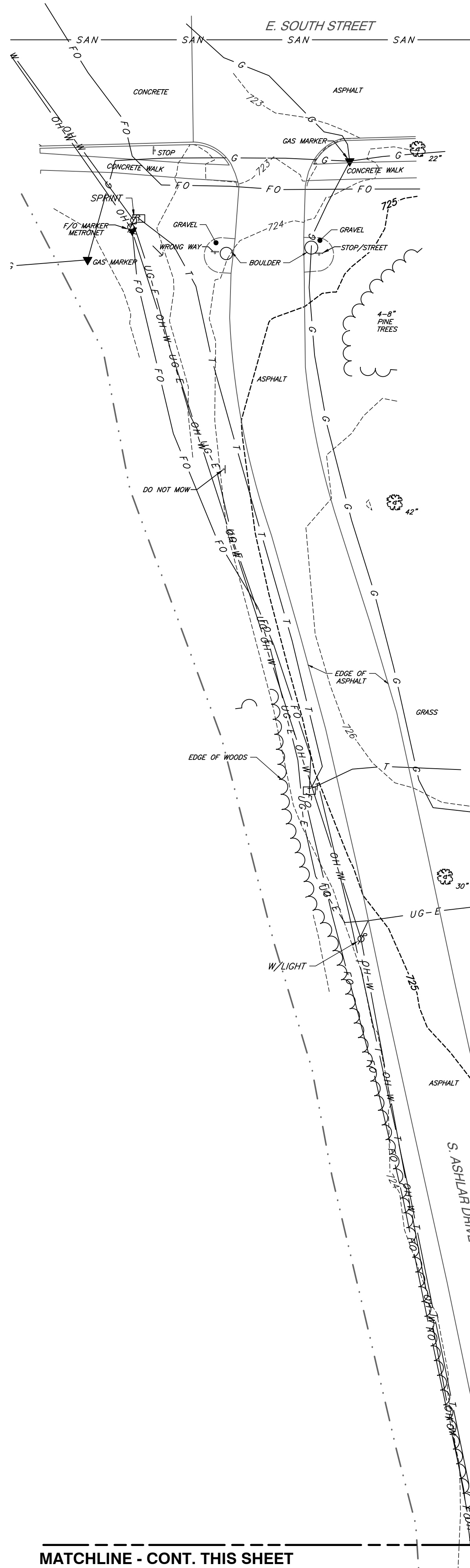
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DATE:	JUNE 7, 2018	DRAWN BY:	BEB
HWG SCALE:	1" = 20'	CHECKED BY:	ACH
PROJECT NO:			180-416

C102

P:\2018\180-416\ -CAD0\DWG\CAD02 Construction Docs\180416-CAD02-C100.dwg[C102] LS:(6/6/2018 - ejoseph) - LP: 6/7/2018 8:07 AM



MATCHLINE - CONT. THIS SHEET

MATCHLINE - CONT. THIS SHEET

MATCHLINE - SEE SHT. C102

MATCHLINE - SEE SHT. C102

LEGEND:

- EXISTING INDEX CONTOUR
- EXISTING INTERMEDIATE CONTOUR
- EXISTING IRON FENCE LINE
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- EXISTING FLOW LINE
- EXISTING WATER LINE
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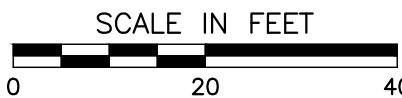
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- REFER TO FRANKLIN STANDARDS FOR FURTHER SITE LAYOUT DETAILS AND SPECIFICATIONS.



PRELIMINARY
NOT FOR CONSTRUCTION



EXISTING CONDITIONS PLAN

DATE:	JUNE 7, 2019	DRAWN BY:	BEB
DWG SCALE:	1" = 20'	CHECKED BY:	ACH
PROJECT NO.:	180-416	APPROVED BY:	

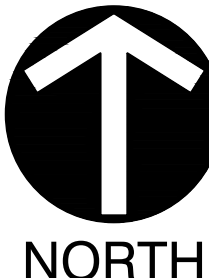
DRAWING NO. **C103**
SHEET 05 OF 34

COMPASS PARK HOME
INDIANA MASONIC HOME
690 STATE STREET
FRANKLIN, IN 46131

Civil & Environmental Consultants, Inc.
530 E. Ohio Street - Suite G - Indianapolis, IN 46204
317-655-7777 - 877-746-0749
www.cecinc.com

REVISION RECORD

NO.	DATE	DESCRIPTION



MATCHLINE - SEE SHT. C105

MATCHLINE - SEE SHT. C105

GENERAL DEMOLITION NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND DISPOSAL OFF-SITE OF ALL ITEMS SHOWN ON THE DEMOLITION PLAN INCLUDING ANY ADDITIONAL ITEMS ENCOUNTERED.
2. PRIOR TO STARTING DEMOLITION, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL PERMITS REQUIRED BY LOCAL GOVERNMENTAL AGENCIES.
3. THE CONTRACTOR SHALL COORDINATE WITH THE LOCAL UTILITY COMPANIES IF UNFORESEEN CONDITIONS EXPOSE UTILITIES.
4. THE CONTRACTOR MAY NOT USE EXPLOSIVES OR BURN DEBRIS.
5. CONDUCT DEMOLITION OPERATIONS TO ENSURE MINIMAL INTERFERENCE WITH ROADS, SIDEWALKS AND ANY OTHER ADJACENT OCCUPIED FACILITIES.
6. DO NOT CLOSE OR OBSTRUCT ROADS, SIDEWALKS OR ANY OTHER OCCUPIED FACILITIES WITHOUT PERMISSION FROM THE LOCAL AUTHORITY HAVING JURISDICTION AND/ OR PROPERTY OWNERS.
7. THE CONTRACTOR SHALL ENSURE SAFE PASSAGE OF PERSON TRAVERSING THROUGH OR AROUND THE CONSTRUCTION SITE.
8. THE CONTRACTOR SHALL PROTECT FROM DAMAGE, SURROUNDING STRUCTURES, UTILITIES AND OTHER FACILITIES DURING DEMOLITION AND REMOVAL OPERATIONS.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THE CONSTRUCTION SITE AND SURROUNDING AREAS ARE FREE OF ACCUMULATED DEBRIS.

LEGEND:

- EXISTING INDEX CONTOUR
- EXISTING INTERMEDIATE CONTOUR
- EXISTING IRON FENCE LINE
- EXISTING CHAINLINK FENCE LINE
- EXISTING FLOW LINE
- EXISTING WATER LINE
- EXISTING UNDERGROUND TELEPHONE
- EXISTING FIBER OPTIC LINE
- EXISTING UNDERGROUND ELECTRIC
- EXISTING OVERHEAD LINES
- EXISTING SANITARY SEWER LINE
- EXISTING STORM SEWER LINE
- EXISTING GAS LINE
- ELEC. LIGHT POLE, PULL BOX, POWER POLE, UTILITY POLE, GUY WIRE, ELEC. TRANSFORMER, ELEC. METER
- GROUND LIGHT
- GAS VALVE, GAS METER, GAS LINE MARKER
- IRRIGATION CONTROL BOX, WATER TAP, WATER METER, FIRE HYDRANT, FIV VALVE, FIRE DEPT. CONNECTION
- ELECTRIC MANHOLE, TELEPHONE PEDESTAL, CABLE PEDI
- FIBER OPTIC PULL BOX
- BEEHIVE INLET, CURB INLET, DOWNSPOUT, STORM INLET
- DRAINAGE MANHOLE
- UNKNOWN MANHOLE, CLEANOUT, SANITARY MANHOLE
- MAIL BOX, SIGN, AIR COND., ADA SYMBOL, BOLLARD
- PARKING METER, TRAFFIC POLE, TRAFFIC MANHOLE, PARKING SPACE COUNT
- DECIDUOUS TREE, CONIFEROUS TREE, BUSH
- EXISTING SPOT ELEVATION

BENCHMARKS:

UNLESS OTHERWISE NOTED, ELEVATIONS SHOWN HEREON ARE BASED UPON AN OPUS SOLUTION AND ARE ON THE 1988 NORTH AMERICAN VERTICAL DATUM (NAVD88). IT IS MY OPINION THAT THE UNCERTAINTY IN THE ELEVATION OF THE PROJECT BENCHMARK DOES NOT EXCEED 0.10 FOOT.

TBM #1
CUT "SQUARE" ON THE SOUTHWEST CORNER OF A TRANSFORMER PAD LOCATED AT THE NORTH END OF THE SITE.
ELEVATION = 724.45

TBM #2
CUT "X" ON THE EAST BONNETT BOLT OF A FIRE HYDRANT LOCATED IN THE CENTER OF THE SITE.
ELEVATION = 729.17

TBM #3
CUT "X" ON THE ARROW BONNETT BOLT OF A FIRE HYDRANT LOCATED IN THE SOUTH PORTION OF THE SITE.
ELEVATION = 727.46

UTILITY NOTE:

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN-SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED. ALTHOUGH THE SURVEYOR DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE, THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES. INDIANA 811 ONE-CALL PUBLIC UTILITY LOCATE SERVICE TICKET NUMBERS 1804040379, 1804040542, 1804040727, 1804040781, AND 1804040917 WERE ISSUED FOR THIS SITE. BLOODHOUND (BHUG), A PRIVATE SUBSURFACE UTILITY LOCATING SERVICE, WAS CONTRACTED TO PERFORM THE PRIVATE UTILITY LOCATIONS FOR THE SUBJECT SITE.

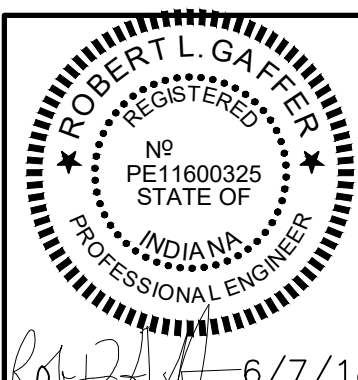
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REFERENCE

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SCALE IN FEET
0 20 40

PRELIMINARY
NOT FOR CONSTRUCTION



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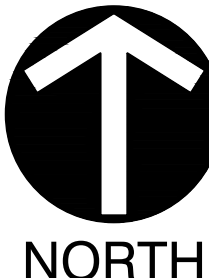
DEMOLITION PLAN

DATE:	JUNE 7, 2019	DRAWN BY:	BEB
DWG SCALE:	1" = 20'	CHECKED BY:	ACH
PROJECT NO:	180-416	APPROVED BY:	

DRAWING NO.: **C104**
SHEET 06 OF 34

A:\2018\180-416\ CADD\DWG\180-416-C104.dwg Construction Date: 180416-C104.dwg Date: 15/06/2019 10:00 AM - LP: 6/7/2019 8:07 AM

A 12/18/18 180-416 - C400 (Dwg) C102 Construction Plans 180416-C02-C104.dwg (1/8) LS 6/7/2018 - 6/7/2018 - LP 6/7/2018 8:07 AM



MATCHLINE - SEE SHT. C106

MATCHLINE - SEE SHT. C106

MATCHLINE - SEE SHT. C104

MATCHLINE - SEE SHT. C104

GENERAL DEMOLITION NOTES:

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LEGEND:

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- UNKNOWN MANHOLE, CLEANOUT, SANITARY MANHOLE
- MAIL BOX, SIGN, AIR COND., ADA SYMBOL, BOLLARD
- PARKING METER, TRAFFIC POLE, TRAFFIC MANHOLE, PARKING SPACE COUNT
- DECIDUOUS TREE, CONIFEROUS TREE, BUSH
- EXISTING SPOT ELEVATION

BENCHMARKS:

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ELEVATION = 729.17

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CUT "X" ON THE ARROW BONNETT BOLT OF A FIRE HYDRANT LOCATED IN THE SOUTH PORTION OF THE SITE.
ELEVATION = 727.46

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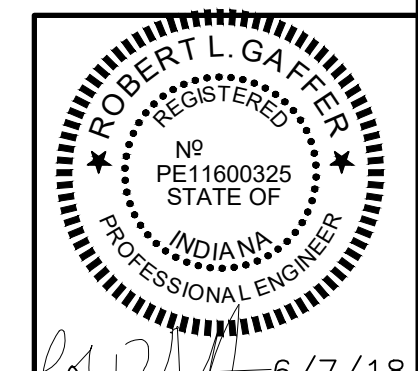
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SCALE IN FEET
0 20 40

PRELIMINARY
NOT FOR CONSTRUCTION



REVISION RECORD	
NO	DATE

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317-655-7777 - 877-746-0749
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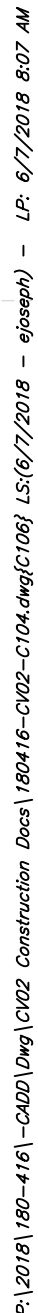
**COMPASS PARK
INDIANA MASONIC HOME
690 STATE STREET
FRANKLIN, IN 46131**

DEMOLITION PLAN

DATE:	JUNE 7, 2019	DRAWN BY:	BEB
DWG SCALE:	1" = 20'	CHECKED BY:	ACH
PROJECT NO:	180-416	APPROVED BY:	

DRAWING NO. **C105**

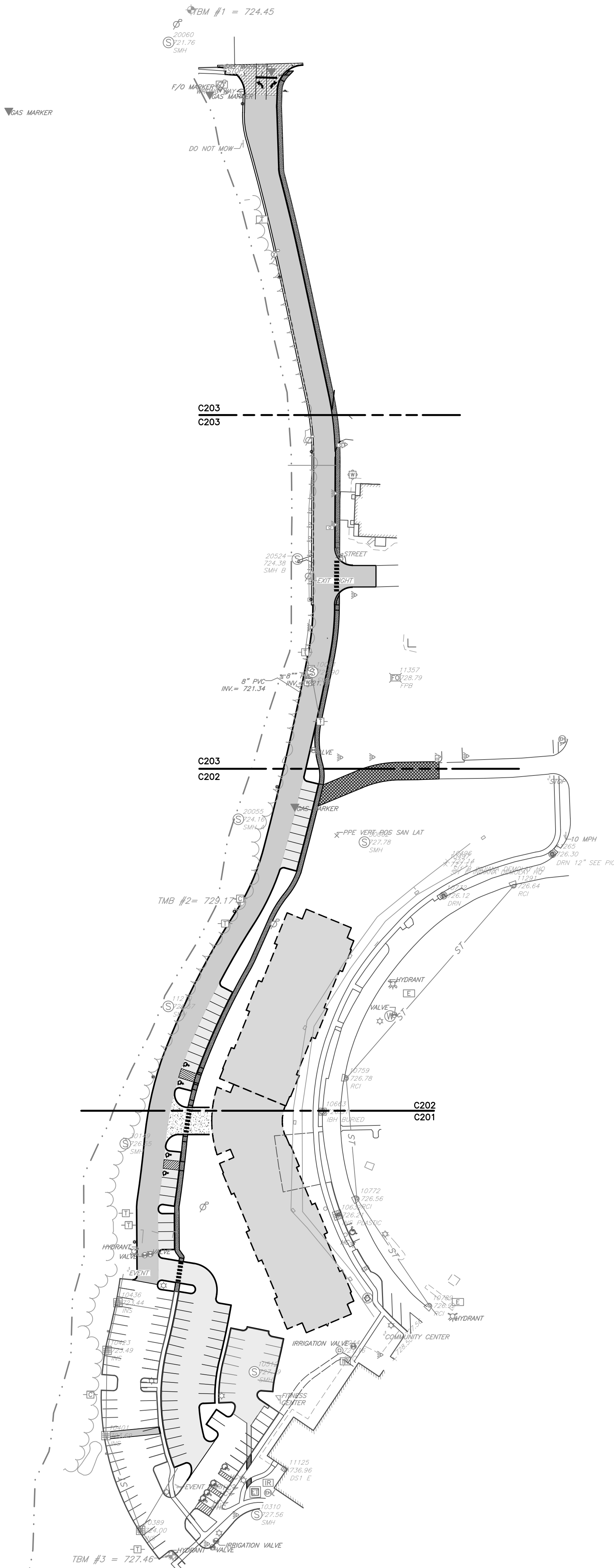
SHEET 07 OF 34



A:\2018\180-416\CD\DWG\CD2 Construction Area\180416-CD2-C200.dwg(C200) LS(6/6/2018 - 5pm) - LP: 6/7/2018 8:07 AM



WAS MARKER



GENERAL SITE LAYOUT NOTES:

1. THE CONTRACTOR SHALL CHECK EXISTING GRADES, DIMENSIONS, AND INVERTS IN THE FIELD AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE PRIOR TO BEGINNING WORK.
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3. PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING PAVEMENT AND NEW PAVEMENT. FIELD ADJUSTMENT OF FINAL GRADES MAY BE NECESSARY. INSTALL ALL UTILITIES, INCLUDING IRRIGATION SLEEVING, PRIOR TO INSTALLATION OF PAVED SURFACES.
4. SITE WORK CONCRETE WALKS AND PADS SHALL HAVE A BROOM FINISH TO ALL SURFACES. SITE WORK CONCRETE SHALL BE CLASS A (4,000 PSI @ 28 DAYS) UNLESS OTHERWISE NOTED.
5. ALL DAMAGE TO EXISTING PAVEMENT TO REMAIN WHICH RESULTS FROM THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED WITH LIKE MATERIALS AT THE CONTRACTOR'S EXPENSE.
6. SITE DIMENSIONS SHOWN ARE TO THE FACE OF CURB, OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
7. CONTRACTOR SHALL MAINTAIN ONE SET OF AS-BUILT / RECORD DRAWINGS ON THE JOB SITE DURING CONSTRUCTION FOR DISTRIBUTION TO THE OWNER AND/OR OWNER'S REPRESENTATIVE UPON COMPLETION.
8. REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT DIMENSIONS AND LOCATIONS OF UTILITY SERVICE ENTRY LOCATIONS AND PRECISE BUILDING DIMENSIONS.
9. THIS SITE LAYOUT IS SPECIFIC TO THE APPROVALS NECESSARY FOR THE CONSTRUCTION IN ACCORDANCE WITH THE CITY OF FRANKLIN. NO CHANGES TO THE SITE LAYOUT ARE ALLOWED WITHOUT THE WRITTEN APPROVAL OF THE OWNER. CHANGES MADE TO THE SITE LAYOUT WITHOUT APPROVAL IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR. CHANGES INCLUDE BUT ARE NOT LIMITED TO, INCREASED IMPERVIOUS PAVEMENT, ADDITION / DELETION OF PARKING SPACES, MOVEMENT OF CURB LINES, CHANGES TO DRAINAGE STRUCTURES AND PATTERNS, LANDSCAPING, ETC.

LEGEND:

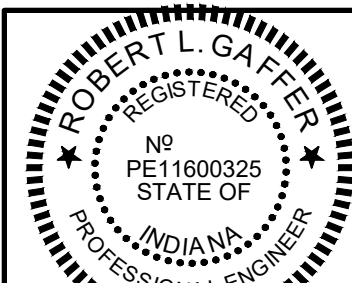
	PROPOSED BUILDING HATCH
	PROPOSED LIGHT DUTY PAVEMENT
	PROPOSED HEAVY DUTY PAVEMENT
	PROPOSED CONCRETE PAVEMENT
	PROPOSED CONCRETE PAVEMENT
	PROPOSED RIGHT-OF-WAY PAVEMENT
	PROPOSED HEAVY DUTY GRASS DRIVE
	PROPOSED ADA PARKING SYMBOL, PARKING BUMPER, SIGN, DETECTABLE WARNING STRIP

REFERENCE

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SCALE IN FEET
0 80 160

**PRELIMINARY
NOT FOR CONSTRUCTION**



6/7/18

OVERALL SITE LAYOUT

DRAWING NO.

C200

SHEET

09 OF 34

DATE: JUNE 7, 2018
DRAWN BY: BEE
PROJECT NO: 180-416
APPROVED BY: ACH

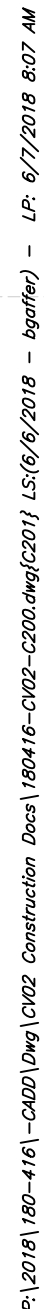
COMPASS PARK HOME
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FRANKLIN, IN 46131

Civil & Environmental Consultants, Inc.
530 E. Ohio Street - Suite G - Indianapolis, IN 46204
317-655-7777 - 877-746-0749
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REVISION RECORD

DESCRIPTION

NO. DATE




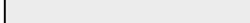



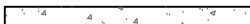

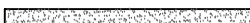
MATCHLINE - SEE SHT. C202

APPROXIMATE FLOODPLAIN
SCALED FROM FIRM MAP
NUMBER 18081C0231D
DATED AUGUST 2, 2007

GENERAL SITE LAYOUT NOTES:

1. THE CONTRACTOR SHALL CHECK EXISTING GRADES, DIMENSIONS, AND INVERTS IN THE FIELD AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE PRIOR TO BEGINNING WORK.
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LEGEND:

- | | |
|---|---|
|  | PROPOSED BUILDING HATCH |
|  | PROPOSED LIGHT DUTY PAVEMENT |
|  | PROPOSED HEAVY DUTY PAVEMENT |
|  | PROPOSED CONCRETE PAVEMENT |
|  | PROPOSED CONCRETE PAVEMENT |
|  | PROPOSED RIGHT-OF-WAY PAVEMENT |
|  | PROPOSED HEAVY DUTY GRASS DRIVE |
|  | PROPOSED ADA PARKING SYMBOL, PARKING BUMPER, SIGN, DETECTABLE WARNING STRIP |

SITE KEY NOTES:

- (A) PROPOSED HEAVY DUTY ASPHALT PAVEMENT; SEE DETAIL 202 ON SHEET C800
- (B) PROPOSED LIGHT DUTY ASPHALT PAVEMENT; SEE DETAIL 203 ON SHEET C800
- (C) PROPOSED RIGHT-OF-WAY PAVEMENT; SEE DETAIL 201 ON SHEET C800.
- (D) PROPOSED CONCRETE PAVEMENT; SEE DETAIL 204 ON SHEET C800
- (E) PROPOSED CONCRETE SIDEWALK; SEE DETAILS 207 ON SHEET C800
- (F) PROPOSED 6" CONCRETE CURB; SEE DETAIL 205 ON SHEET C800
- (G) PROPOSED INTEGRAL CONCRETE CURB AND SIDEWALK; SEE DETAIL 206 ON SHEET C800
- (H) LIGHT POLE; TO MATCH EXISTING STYLE AROUND SITE. SEE DETAIL 214 ON SHEET C800.
- (I) PROPOSED ADA CURB RAMP; SEE DETAIL 212 ON SHEET C800
- (J) 2' STONE SHOULDER; SEE DETAIL ON SHEET C800
- (K) RELOCATED STOP AND STREET SIGN
- (L) PROPOSED ADA ACCESSIBLE STALL, SIGN, AND BUMPER ASSEMBLY; SEE DETAILS 211, 212, AND 213 ON SHEET C800
- (M) PROPOSED HEAVY DUTY LOAD RATED GRASS DRIVE FOR FIRE DEPARTMENT ACCESS
- (N) PROPOSED CURB END TRANSITION. SEE DETAIL ON SHEET C800.
- (O) REPLACE LANDSCAPING BOULDER FEATURE.
- (P) LAP JOINT PER DETAIL ON C800.
- (Q) PAINTED CROSSWALK. SEE DETAIL ON C800.

REFERENCE

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SCALE IN FEET

0 20 40

PRELIMINARY
NOT FOR CONSTRUCTION



SITE LAYOUT

<div style="text-align: center;"> <h1>SITE LAYOUT</h1> </div>		DATE:	JUNE 7, 2018	DRAWN BY:	BEB	
		WNG SCALE:		1" = 20'	CHECKED BY:	ACH
		PROJECT NO:				
		APPROVED BY:				
		180-416				

DRAWING NO.:

C201

SHEET 10 OF 34

C&E

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**COMPASS PARK
INDIANA MASONIC HOME
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FRANKLIN, IN 46131**



MATCHLINE - SEE SHT. C203
5 POINTS DRIVE

FUTURE BUILDING
F.F.E. = 725.00

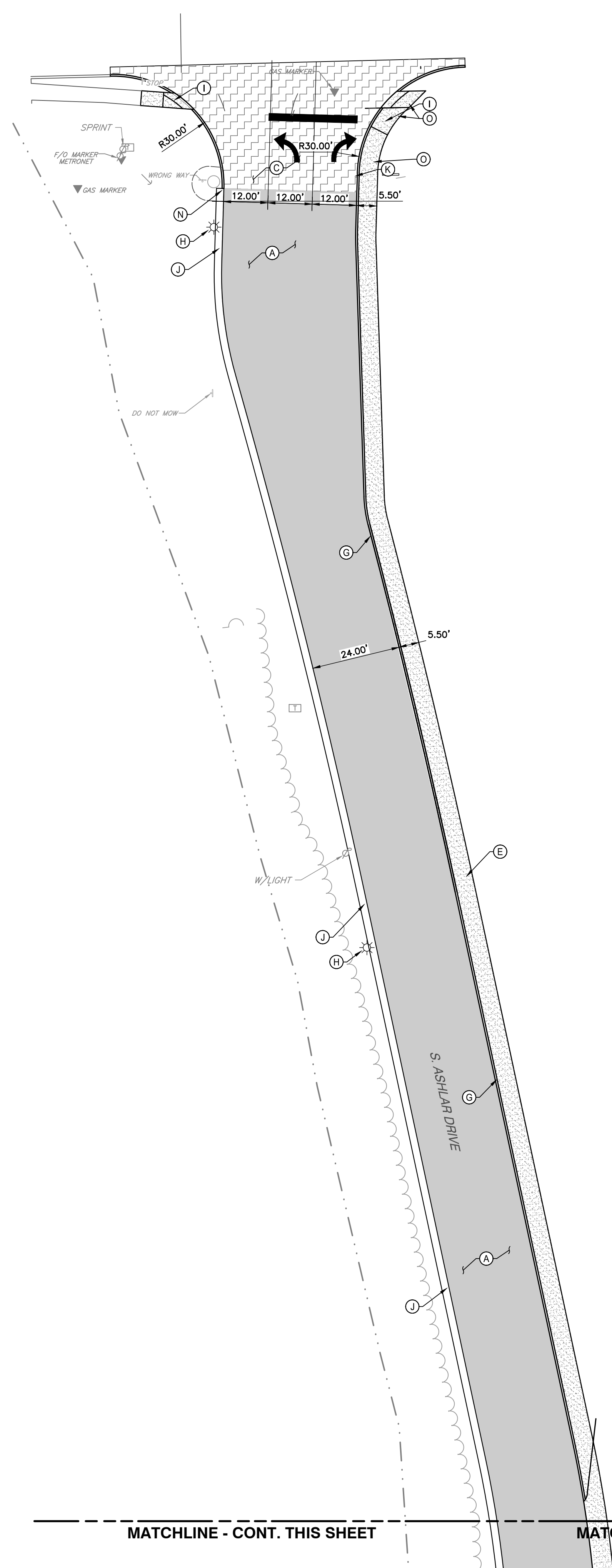
MATCHLINE - SEE SHT. C201

DRAWING NO. **C**

8 SHEET

**COMPASS PARK
INDIANA MASONIC HOME
690 STATE STREET
FRANKLIN, IN 46131**

DATE:	JUNE 7, 2018	DRAWN BY:	BEB
DWG SCALE:	1" = 20'	CHECKED BY:	ACH
PROJECT NO:		180-416	




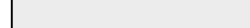


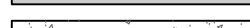



MATCHLINE - CONT. THIS SHEET

GENERAL SITE LAYOUT NOTES:

1. THE CONTRACTOR SHALL CHECK EXISTING GRADES, DIMENSIONS, AND INVERTS IN THE FIELD AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE PRIOR TO BEGINNING WORK.
2. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES, INCLUDING IRRIGATION LINES. TAKE CARE TO PROTECT UTILITIES THAT ARE TO REMAIN. RELOCATE EXISTING UTILITIES AS INDICATED, OR AS NECESSARY FOR CONSTRUCTION.
3. PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING PAVEMENT AND NEW PAVED SURFACES. FIELD ADJUSTMENT OF FINAL GRADES MAY BE NECESSARY. INSTALL ALL UTILITIES, INCLUDING IRRIGATION SLEEVING, PRIOR TO INSTALLATION OF PAVED SURFACES.
4. SITE WORK CONCRETE WALKS AND PADS SHALL HAVE A BROOM FINISH TO ALL SURFACES. SITE WORK CONCRETE SHALL BE CLASS A (4,000 PSI @ 28 DAYS) UNLESS OTHERWISE NOTED.
5. ALL DAMAGE TO EXISTING PAVEMENT TO REMAIN WHICH RESULTS FROM THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED WITH LIKE MATERIALS AT THE CONTRACTOR'S EXPENSE.
6. SITE DIMENSIONS SHOWN ARE TO THE FACE OF CURB, OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
7. CONTRACTOR SHALL MAINTAIN ONE SET OF AS-BUILT / RECORD DRAWINGS ON THE JOB SITE DURING CONSTRUCTION FOR DISTRIBUTION TO THE OWNER AND/OR OWNER'S REPRESENTATIVE UPON COMPLETION.
8. REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT DIMENSIONS AND LOCATIONS OF UTILITY SERVICE ENTRY LOCATIONS AND PRECISE BUILDING DIMENSIONS.
9. THIS SITE LAYOUT IS SPECIFIC TO THE APPROVALS NECESSARY FOR THE CONSTRUCTION IN ACCORDANCE WITH THE CITY OF FRANKLIN. NO CHANGES TO THE SITE LAYOUT ARE ALLOWED WITHOUT THE WRITTEN APPROVAL OF THE CITY OF FRANKLIN. ANY CHANGES TO THE SITE LAYOUT WITHOUT APPROVAL IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR. CHANGES INCLUDE BUT ARE NOT LIMITED TO: INCREASED IMPERVIOUS PAVEMENT, ADDITION / DELETION OF PARKING SPACES, MOVEMENT OF CURB LINES, CHANGES TO DRAINAGE STRUCTURES AND PATTERNS, INDOORSCAPING, ETC.

LEGEND:

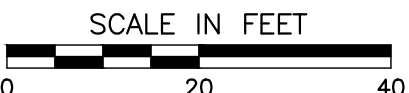
- | | |
|---|---|
|  | PROPOSED BUILDING HATCH |
|  | PROPOSED LIGHT DUTY PAVEMENT |
|  | PROPOSED HEAVY DUTY PAVEMENT |
|  | PROPOSED CONCRETE PAVEMENT |
|  | PROPOSED CONCRETE PAVEMENT |
|  | PROPOSED RIGHT-OF-WAY PAVEMENT |
|  | PROPOSED HEAVY DUTY GRASS DRIVE |
|  | PROPOSED ADA PARKING SYMBOL, PARKING BUMPER, SIGN, DETECTABLE WARNING STRIP |

SITE KEY NOTES:

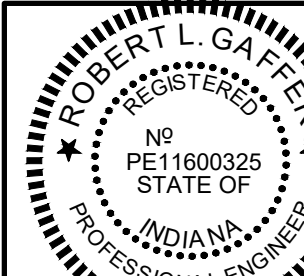
- (A) PROPOSED HEAVY DUTY ASPHALT PAVEMENT; SEE DETAIL 202 ON SHEET C800
- (B) PROPOSED LIGHT DUTY ASPHALT PAVEMENT; SEE DETAIL 203 ON SHEET C800
- (C) PROPOSED RIGHT-OF-WAY PAVEMENT; SEE DETAIL 201 ON SHEET C800.
- (D) PROPOSED CONCRETE PAVEMENT; SEE DETAIL 204 ON SHEET C800
- (E) PROPOSED CONCRETE SIDEWALK; SEE DETAILS 207 ON SHEET C800
- (F) PROPOSED 6" CONCRETE CURB; SEE DETAIL 205 ON SHEET C800
- (G) PROPOSED INTEGRAL CONCRETE CURB AND SIDEWALK; SEE DETAIL 206 ON SHEET C800
- (H) LIGHT POLE, TO MATCH EXISTING STYLE AROUND SITE. SEE DETAIL 214 ON SHEET C800.
- (J) PROPOSED ADA CURB RAMP; SEE DETAIL 212 ON SHEET C800
- (I) 2' STONE SHOULDER; SEE DETAIL ON SHEET C800
- (K) RELOCATED STOP AND STREET SIGN
- (L) PROPOSED ADA ACCESSIBLE STALL, SIGN, AND BUMPER ASSEMBLY; SEE DETAILS 211, 212, AND 213 ON SHEET C800.
- (M) PROPOSED HEAVY DUTY LOAD RATED GRASS DRIVE FOR FIRE DEPARTMENT ACCESS

REFERENCE

1. CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION. IT IS NOT THE ENGINEER'S INTENT THAT ANY SINGLE PLAN SHEET IN THE SET OF DOCUMENTS FULLY DEPICT ALL WORK ASSOCIATED WITH THE PROJECT.
2. REFER TO FRANKLIN STANDARDS FOR FURTHER SITE LAYOUT DETAILS AND SPECIFICATIONS.



PRELIMINARY
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Re: 12-1A-6/7

[illegible]

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**COMPASS PARK
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FRANKLIN, IN 46131**

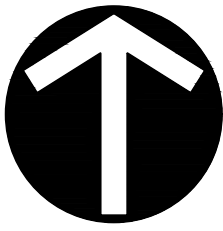
SITE LAYOUT

DATE:	JUNE 7, 2018	DRAWN BY:	BEB
DWG SCALE:	1" = 20'	CHECKED BY:	ACH
PROJECT NO:	180-416		
APPROVED BY:			

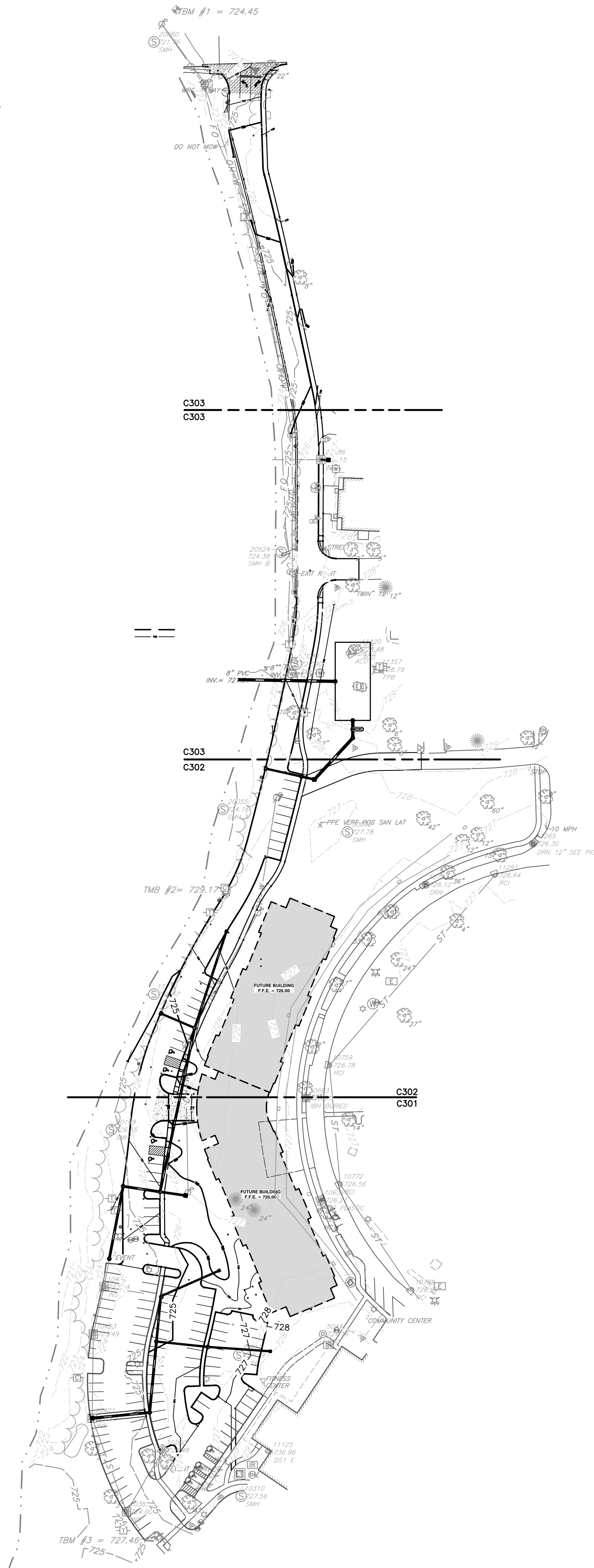
DRAWING NO.:

C203

SHEET 12 OF 34



NORTH



GENERAL GRADING NOTES:

- CONTRACTOR SHALL STRICTLY ADHERE TO THE EROSION CONTROL MEASURES PREPARED FOR THIS PROJECT.
- EARTHWORK SHALL INCLUDE CLEARING AND GRUBBING, STRIPPING AND STOCKPILING TOPSOIL, MASS GRADING, EXCAVATION, FILLING, UNDER CUT AND REPLACEMENT, IF REQUIRED, AND COMPACTION.
- CONTRACTOR TO REFILL UNDERCUT AREAS WITH SUITABLE MATERIAL AND COMPACT AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER.
- PLACE TOPSOIL OVER THE SUBGRADE OF UNPAVED, DISTURBED AREAS TO A DEPTH INDICATED ON THE LANDSCAPE PLANS (6" MINIMUM). PAVEMENT SLOPES ACROSS ACCESSIBLE PARKING STALLS AND ADJOINING ACCESS AISLES SHALL BE MAXIMUM 2%.
- ALL SLOPES SHALL BE 3:1 (HORIZONTAL:VERTICAL) MAXIMUM UNLESS NOTED OTHERWISE.
- ALL AREAS NOT PAVED SHALL BE STABILIZED IN ACCORDANCE WITH THE EROSION CONTROL PLAN, UNLESS NOTED OTHERWISE.
- ALL EXCESS SOIL MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE DESIGNATED SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF OFFSITE AT NO ADDITIONAL COST TO THE OWNER IN ACCORDANCE WITH ALL LOCAL AND STATE CODES AND PERMIT REQUIREMENTS.
- DRAINAGE SYSTEMS SHALL BE INSPECTED DURING CONSTRUCTION BY A REGISTERED PROFESSIONAL ENGINEER OR LAND SURVEYOR. WITHIN 30 DAYS AFTER COMPLETION OF ON AND OFF-SITE DRAINAGE FACILITIES, THE REGISTERED PROFESSIONAL SHALL CERTIFY IN WRITING THE COMPLIANCE OF THE DRAINAGE FACILITIES PER LOCAL REQUIREMENTS.
- CONTRACTOR SHALL PERPETUATE ALL DRAINS AND TILES ENCOUNTERED DURING CONSTRUCTION. COORDINATE WITH ENGINEER OF RECORD REGARDING THE CONNECTION TO THE PROPOSED STORM SEWER SYSTEM.
- STORM STRUCTURES RECEIVING SUB-SURFACE DRAINS (SSD) SHALL HAVE BOTH CONNECTIONS CORE DRILLED. T OR Y BLIND CONNECTIONS ARE NOT ALLOWED.

GENERAL DRAINAGE NOTES:

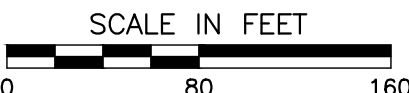
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- ALL STORMWATER MANAGEMENT FACILITIES, INCLUDING COLLECTION AND CONVEYANCE STRUCTURES SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE LOCAL AND STATE CODES AND REGULATIONS. ANY WORK PERFORMED IN THE LOCAL OR STATE RIGHT OF WAYS SHALL BE IN ACCORDANCE WITH THE APPLICABLE LOCAL OR STATE REQUIREMENTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THE NECESSARY PERMITS FOR THE WORK, SCHEDULE NECESSARY INSPECTIONS, AND PROVIDE THE NECESSARY TRAFFIC CONTROL MEASURES AND DEVICES, ETC., FOR WORK PERFORMED IN THE RIGHT OF WAYS.
- STORM PIPE MATERIAL OPTIONS ARE AS FOLLOWS: RCP OR HDPE, AS NOTED ON PLANS.

GRADING LEGEND:

- 800 PROPOSED INDEX CONTOUR
 - 798 PROPOSED INTERMEDIATE CONTOUR
 - PROPOSED DRAINAGE SWALE
 - PROPOSED GRADE BREAK
 - PROPOSED STORM SEWER LINE
 - PROPOSED UNDERDRAIN
 - 766.90 PROPOSED SPOT ELEVATION
 - 798.50 PROPOSED CURB SPOT ELEVATION; TOP OF CURB
 - 798.00 ON TOP, GUTTER ELEVATION ON BOTTOM
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REFERENCE

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PRELIMINARY
NOT FOR CONSTRUCTION



OVERALL GRADING PLAN

DRAWING NO.

C300

SHEET 13 OF 34

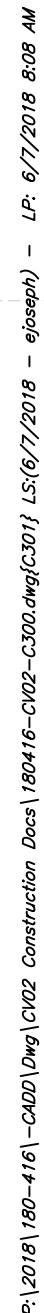
DATE:	JUNE 7, 2019	DRAWN BY:	BEB
DWG SCALE:	1" = 80'	CHECKED BY:	ACH
PROJECT NO:	180-416	APPROVED BY:	

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www.cesinc.com

**COMPASS PARK
INDIANA MASONIC HOME
690 STATE STREET
FRANKLIN, IN 46131**

REVISION RECORD

NO	DATE	DESCRIPTION












MATCHLINE - SEE SHT. C302

FUTURE BUILDING
F.F.E. = 725.00

GENERAL GRADING NOTES:

1. CONTRACTOR SHALL STRICTLY ADHERE TO THE EROSION CONTROL MEASURES PREPARED FOR THIS PROJECT.
2. EARTHWORK SHALL INCLUDE CLEARING AND GRUBBING, STRIPPING AND STOCKPILING TOPSOIL, MASS GRADING, EXCAVATION, FILLING, UNDER CUT AND REPLACEMENT, IF REQUIRED, AND COMPACTON.
3. CONTRACTOR TO REFILL UNDERCUT AREAS WITH SUITABLE MATERIAL AND COMPACT AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER.
4. PLACE TOPSOIL OVER THE SUBGRADE OF UNPAVED, DISTURBED AREAS TO A DEPTH INDICATED ON THE LANDSCAPE PLANS (6" MINIMUM). PAVEMENT SHALL BE LAYED ACCORDING TO THE PARKING STALLS & ADJOINING ACCESS AISLES SHALL BE MAXIMUM 2%.
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	PROPOSED INTERMEDIATE CONTOUR
	PROPOSED DRAINAGE SWALE
	PROPOSED GRADE BREAK
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	PROPOSED UNDERDRAIN
	PROPOSED SPOT ELEVATION
	PROPOSED CURB SPOT ELEVATION; TOP OF CURB
	ON TOP, GUTTER ELEVATION ON BOTTOM

ABBREVIATIONS:
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PRELIMINARY
NOT FOR CONSTRUCTION




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www.cecinc.com

**COMPASS PARK
INDIANA MASONIC HOME
690 STATE STREET
FRANKLIN, IN 46131**

GRADING PLAN

DRAWING NO.:

C301

SHEET 14 OF 34



MATCHLINE - SEE SHT. C303

MATCHLINE - SEE SHT. C303
POINTS DRIVE

FUTURE BUILDING
F.F.E. = 725.00

MATCHLINE - SEE SHT. C301

MATCHLINE - SEE SHT. C301

GENERAL GRADING NOTES:

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SCALE IN FEET
0 20 40

**PRELIMINARY
NOT FOR CONSTRUCTION**



GRADING PLAN

DATE:	JUNE 7, 2019	DRAWN BY:	BEB
DWG SCALE:	1" = 20'	CHECKED BY:	ACH
PROJECT NO:	180-416	APPROVED BY:	

DRAWING NO.

C302

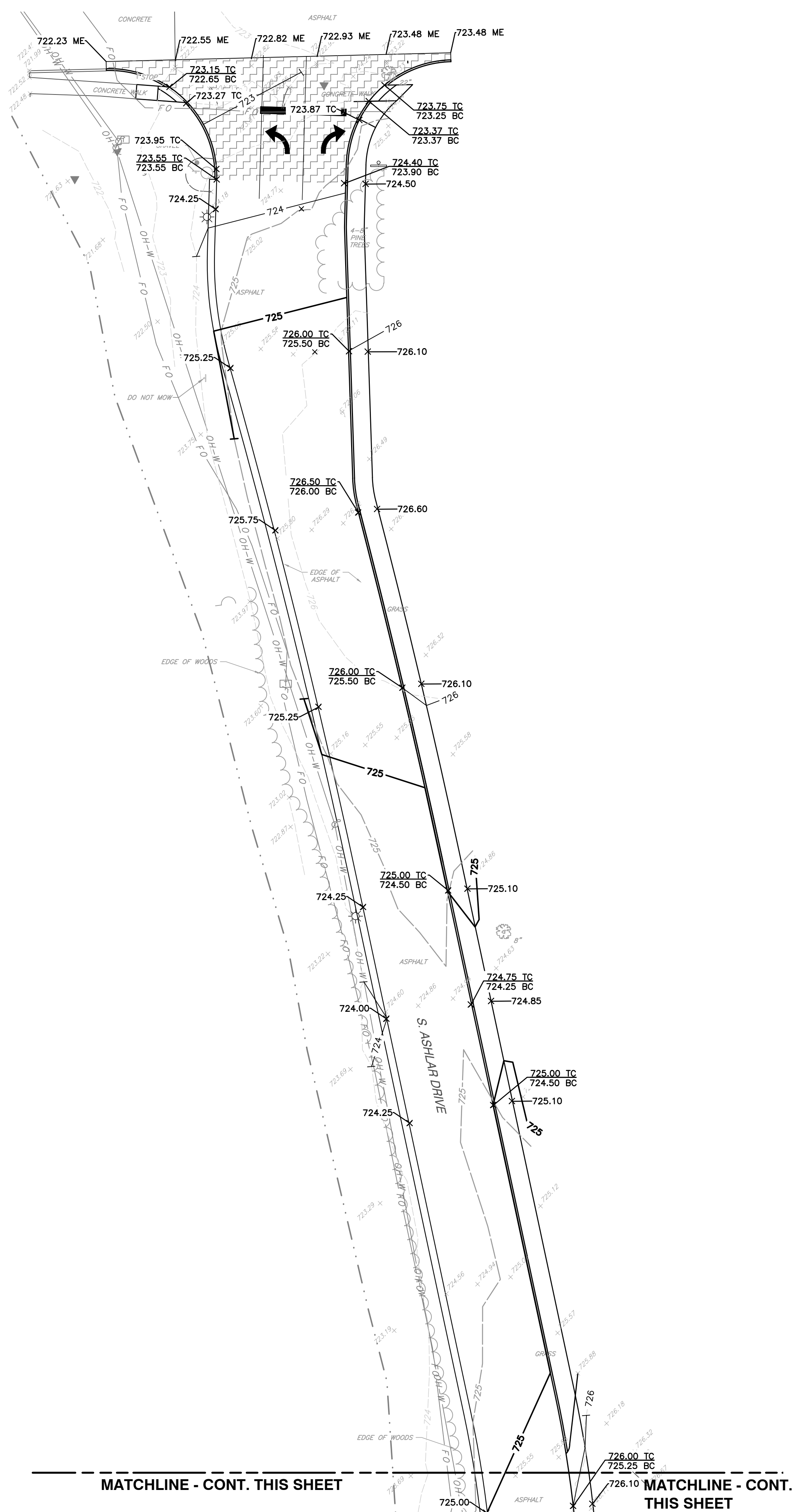
SHEET 15 OF 34

REVISION RECORD

NO	DATE	DESCRIPTION

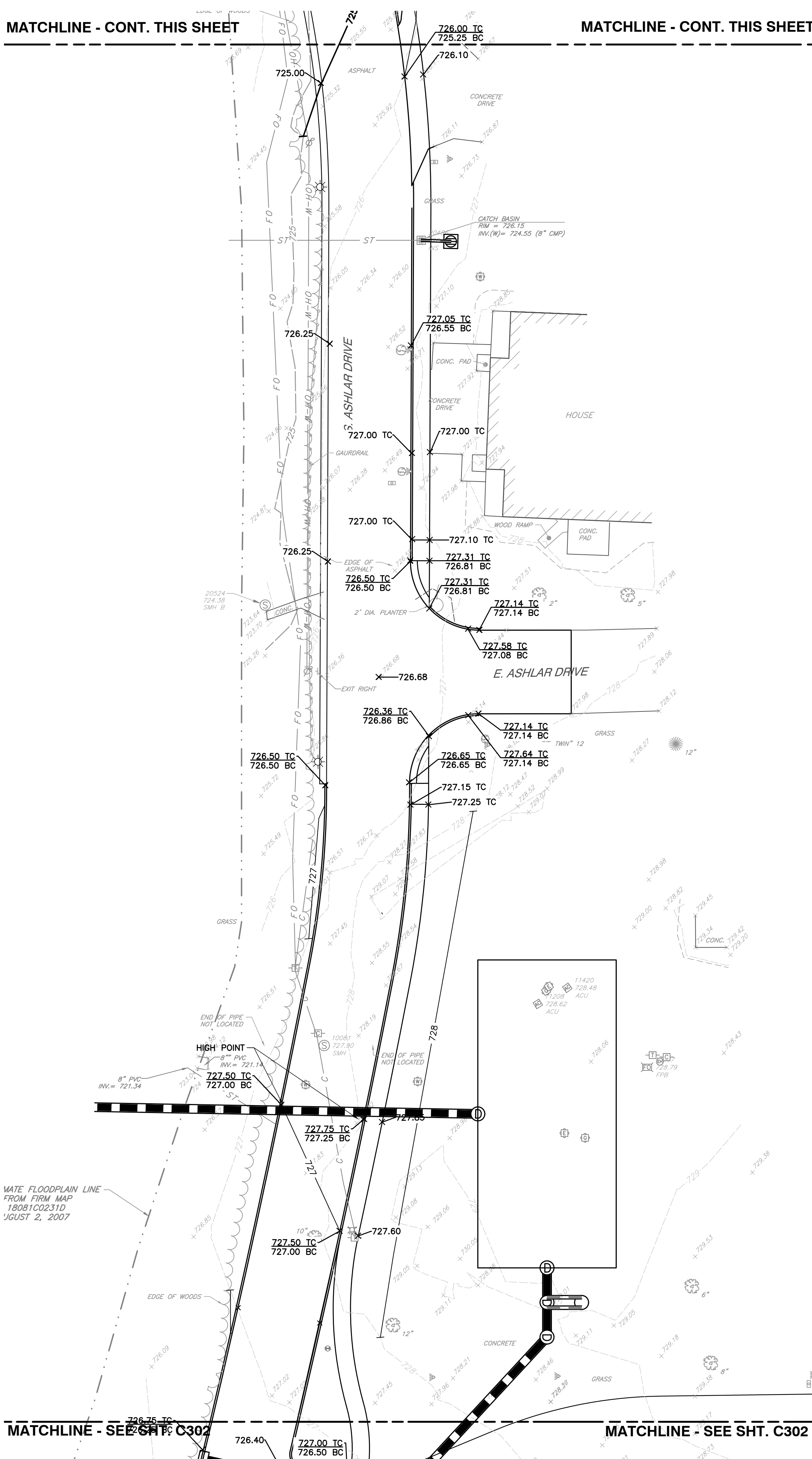
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**COMPASS PARK
INDIANA MASONIC HOME
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FRANKLIN, IN 46131**



MATCHLINE - CONT. THIS SHEET

MATCHLINE - CONT. THIS SHEET



GENERAL GRADING NOTES:

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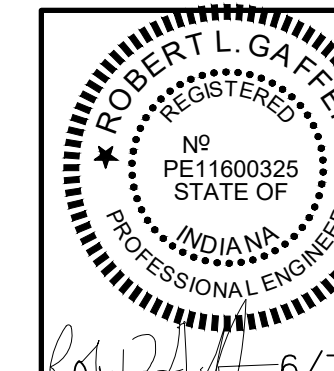
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ME = MATCH EXISTING

REFERENCE

1. CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION. IT IS NOT THE ENGINEER'S INTENT THAT ANY SINGLE PLAN SHEET IN THE SET OF DOCUMENTS FULLY DEPICT ALL WORK ASSOCIATED WITH THE PROJECT.
2. REFER TO FRANKLIN STANDARDS FOR FURTHER SITE LAYOUT DETAILS AND SPECIFICATIONS.

SCALE IN FEET
0 20 40

PRELIMINARY
NOT FOR CONSTRUCTION



REVISION RECORD

NO.	DATE	DESCRIPTION

Civil & Environmental Consultants, Inc.
530 E. Ohio Street - Suite G - Indianapolis, IN 46204
317-655-7777 - 877-746-0749
www.cecinc.com

**COMPASS PARK
INDIANA MASONIC HOME
690 STATE STREET
FRANKLIN, IN 46131**

GRADING PLAN

DATE:	JUNE 7, 2019	DRAWN BY:	BEB
DWG SCALE:	1" = 20'	CHECKED BY:	ACH
PROJECT NO:	180-416	APPROVED BY:	

DRAWING NO. **C303**
SHEET 16 OF 34



MATCHLINE - SEE SHT. C402

MATCHLINE - SEE SHT. C402

GENERAL GRADING NOTES:

1. CONTRACTOR SHALL STRICTLY ADHERE TO THE EROSION CONTROL MEASURES PREPARED FOR THIS PROJECT.
2. EARTHWORK SHALL INCLUDE CLEARING AND GRUBBING, STRIPPING AND STOCKPILING TOPSOIL, MASS GRADING, EXCAVATION, FILLING, UNDER CUT AND REPLACEMENT, IF REQUIRED, AND COMPACTION.
3. CONTRACTOR TO REFILL UNDERCUT AREAS WITH SUITABLE MATERIAL AND COMPACT AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER.
4. PLACE TOPSOIL OVER THE SUBGRADE OF UNPAVED, DISTURBED AREAS TO A DEPTH INDICATED ON THE LANDSCAPE PLANS (6" MINIMUM). PAVEMENT SLOPES ACROSS ACCESSIBLE PARKING STALLS AND ADJOINING ACCESS AISLES SHALL BE MAXIMUM 2%.
5. ALL SLOPES SHALL BE 3:1 (HORIZONTAL:VERTICAL) MAXIMUM UNLESS NOTED OTHERWISE.
6. ALL AREAS NOT PAVED SHALL BE STABILIZED IN ACCORDANCE WITH THE EROSION CONTROL PLAN, UNLESS NOTED OTHERWISE.
7. ALL EXCESS SOIL MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE DESIGNATED. SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF OFFSITE AT NO ADDITIONAL COST TO THE OWNER IN ACCORDANCE WITH ALL LOCAL AND STATE CODES AND PERMIT REQUIREMENTS.
8. DRAINAGE SYSTEMS SHALL BE INSPECTED DURING CONSTRUCTION BY A REGISTERED PROFESSIONAL ENGINEER OR LAND SURVEYOR. WITHIN 30 DAYS AFTER COMPLETION OF ON AND OFF-SITE DRAINAGE FACILITIES, THE REGISTERED PROFESSIONAL SHALL CERTIFY IN WRITING THE COMPLIANCE OF THE DRAINAGE FACILITIES PER LOCAL REQUIREMENTS.
9. CONTRACTOR SHALL PERPETUATE ALL DRAINS AND TILES ENCOUNTERED DURING CONSTRUCTION. COORDINATE WITH ENGINEER OF RECORD REGARDING THE CONNECTION TO THE PROPOSED STORM SEWER SYSTEM.
10. STORM STRUCTURES RECEIVING SUB-SURFACE DRAINS (SSD) SHALL HAVE BOTH CONNECTIONS CORE DRILLED. T OR Y BLIND CONNECTIONS ARE NOT ALLOWED.

GENERAL DRAINAGE NOTES:

1. DISTANCES SHOWN ON PIPING ARE HORIZONTAL DISTANCES FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE, UNLESS OTHERWISE NOTED.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE INSTALLATION, INSPECTION, TESTING AND FINAL ACCEPTANCE OF ALL NEW STORMWATER MANAGEMENT FACILITIES CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH ALL APPLICABLE REGULATING AGENCIES CONCERNING INSTALLATION, INSPECTION AND APPROVAL OF THE STORM DRAINAGE SYSTEM CONSTRUCTION.
3. ALL STORMWATER MANAGEMENT FACILITIES, INCLUDING COLLECTION AND CONVEYANCE STRUCTURES SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE LOCAL AND STATE CODES AND REGULATIONS. ANY WORK PERFORMED IN THE LOCAL OR STATE RIGHT OF WAYS SHALL BE IN ACCORDANCE WITH THE APPLICABLE LOCAL OR STATE REQUIREMENTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THE NECESSARY PERMITS FOR THE WORK, SCHEDULE NECESSARY INSPECTIONS, AND PROVIDE THE NECESSARY TRAFFIC CONTROL MEASURES AND DEVICES, ETC., FOR WORK PERFORMED IN THE RIGHT OF WAYS.
5. STORM PIPE MATERIAL OPTIONS ARE AS FOLLOWS: RCP OR HDPE, AS NOTED ON PLANS.

GRADING LEGEND:

- PROPOSED INDEX CONTOUR
798
PROPOSED INTERMEDIATE CONTOUR
PROPOSED DRAINAGE SWALE
PROPOSED GRADE BREAK
PROPOSED STORM SEWER LINE
PROPOSED UNDERDRAIN
PROPOSED SPOT ELEVATION
PROPOSED CURB SPOT ELEVATION; TOP OF CURB
ON TOP, GUTTER ELEVATION ON BOTTOM
- ABBREVIATIONS:
TC = TOP OF CURB
BC = BOTTOM OF CURB
TW = TOP OF WALL
BW = BOTTOM OF WALL
TR = TOP OF RAMP
BR = BOTTOM OF RAMP
ME = MATCH EXISTING

REFERENCE

1. CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION. IT IS NOT THE ENGINEER'S INTENT THAT ANY SINGLE PLAN SHEET IN THE SET OF DOCUMENTS FULLY DEPICT ALL WORK ASSOCIATED WITH THE PROJECT.
2. REFER TO FRANKLIN STANDARDS FOR FURTHER SITE LAYOUT DETAILS AND SPECIFICATIONS.

SCALE IN FEET
0 20 40

PRELIMINARY
NOT FOR CONSTRUCTION



STORMWATER PLAN

DATE:	JUNE 7, 2019	DRAWN BY:	BEB
DWG SCALE:	1" = 20'	CHECKED BY:	ACH
PROJECT NO:	180-416	APPROVED BY:	

DRAWING NO. **C401**
SHEET 18 OF 34

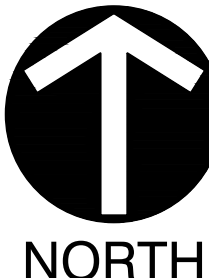
COMPASS PARK
INDIANA MASONIC HOME
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FRANKLIN, IN 46131

Civil & Environmental Consultants, Inc.
530 E. Ohio Street - Suite G - Indianapolis, IN 46204
317-655-7777 - 877-746-0749
www.cedinc.com

REVISION RECORD

NO.	DATE	DESCRIPTION

A 1/2018 180-4161 - C400 (any) C402 Construction Docs 180416-C02-C400.mxd (C402) LS (6/7/2018 - 6/7/2018) - LP 6/7/2018 8:09 AM



MATCHLINE - SEE SHT. C403

MATCHLINE - SEE SHT. C403

MATCHLINE - SEE SHT. C401

MATCHLINE - SEE SHT. C401

RECTANGULAR JUNCTION STRUCTURE NF
RIM=725.10
INV. 12" E=722.35

205 CYLINDRICAL JUNCTION STRUCTURE NF
RIM=726.90
INV. 15" W=722.05
INV. 24" NE=721.95

206 RECTANGULAR JUNCTION STRUCTURE NF
RIM=726.50
INV. 12" W=722.20
INV. 15" E=722.10

112 RECTANGULAR JUNCTION STRUCTURE NF
RIM=726.84
INV. 15" S=723.09

RECTANGULAR JUNCTION STRUCTURE NF
RIM=724.56
INV. 12" SE=722.89

111 CYLINDRICAL JUNCTION STRUCTURE NF
RIM=725.35
INV. 15" N=722.74
INV. 12" NW=722.74
INV. 18" S=722.64

FUTURE BUILDING
F.F.E. = 725.00

- GENERAL GRADING NOTES:**
- CONTRACTOR SHALL STRICTLY ADHERE TO THE EROSION CONTROL MEASURES PREPARED FOR THIS PROJECT.
 - EARTHWORK SHALL INCLUDE CLEARING AND GRUBBING, STRIPPING AND STOCKPILING TOPSOIL, MASS GRADING, EXCAVATION, FILLING, UNDER CUT AND REPLACEMENT, IF REQUIRED, AND COMPACTION.
 - CONTRACTOR TO REFILL UNDERCUT AREAS WITH SUITABLE MATERIAL AND COMPACT AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER.
 - PLACE TOPSOIL OVER THE SUBGRADE OF UNPAVED, DISTURBED AREAS TO A DEPTH INDICATED ON THE LANDSCAPE PLANS (6" MINIMUM). PAVEMENT SLOPES ACROSS ACCESSIBLE PARKING STALLS AND ADJOINING ACCESS AISLES SHALL BE MAXIMUM 2%.
 - ALL SLOPES SHALL BE 3:1 (HORIZONTAL:VERTICAL) MAXIMUM UNLESS NOTED OTHERWISE.
 - ALL AREAS NOT PAVED SHALL BE STABILIZED IN ACCORDANCE WITH THE EROSION CONTROL PLAN, UNLESS NOTED OTHERWISE.
 - ALL EXCESS SOIL MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE DESIGNATED. SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF OFFSITE AT NO ADDITIONAL COST TO THE OWNER IN ACCORDANCE WITH ALL LOCAL AND STATE CODES AND PERMIT REQUIREMENTS.
 - DRAINAGE SYSTEMS SHALL BE INSPECTED DURING CONSTRUCTION BY A REGISTERED PROFESSIONAL ENGINEER OR LAND SURVEYOR. WITHIN 30 DAYS AFTER COMPLETION OF ON AND OFF-SITE DRAINAGE FACILITIES, THE REGISTERED PROFESSIONAL SHALL CERTIFY IN WRITING THE COMPLIANCE OF THE DRAINAGE FACILITIES PER LOCAL REQUIREMENTS.
 - CONTRACTOR SHALL PERPETUATE ALL DRAINS AND TILES ENCOUNTERED DURING CONSTRUCTION. COORDINATE WITH ENGINEER OF RECORD REGARDING THE CONNECTION TO THE PROPOSED STORM SEWER SYSTEM.
 - STORM STRUCTURES RECEIVING SUB-SURFACE DRAINS (SSD) SHALL HAVE BOTH CONNECTIONS CORE DRILLED. T OR Y BLIND CONNECTIONS ARE NOT ALLOWED.

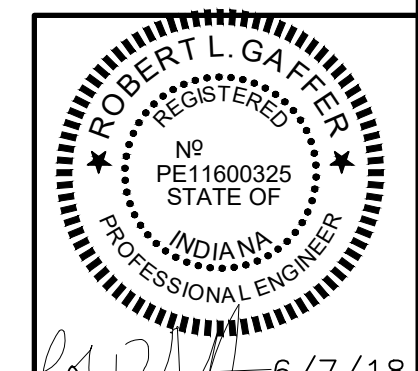
- GENERAL DRAINAGE NOTES:**
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 - STORM PIPE MATERIAL OPTIONS ARE AS FOLLOWS: RCP OR HDPE, AS NOTED ON PLANS.

- GRADING LEGEND:**
- PROPOSED INDEX CONTOUR
 - PROPOSED INTERMEDIATE CONTOUR
 - PROPOSED DRAINAGE SWALE
 - PROPOSED GRADE BREAK
 - PROPOSED STORM SEWER LINE
 - PROPOSED UNDERDRAIN
 - PROPOSED SPOT ELEVATION
 - PROPOSED CURB SPOT ELEVATION; TOP OF CURB ON TOP, GUTTER ELEVATION ON BOTTOM
- ABBREVIATIONS:**
- TC = TOP OF CURB
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- REFERENCE**
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SCALE IN FEET
0 20 40

**PRELIMINARY
NOT FOR CONSTRUCTION**



REVISION RECORD	
NO.	DATE

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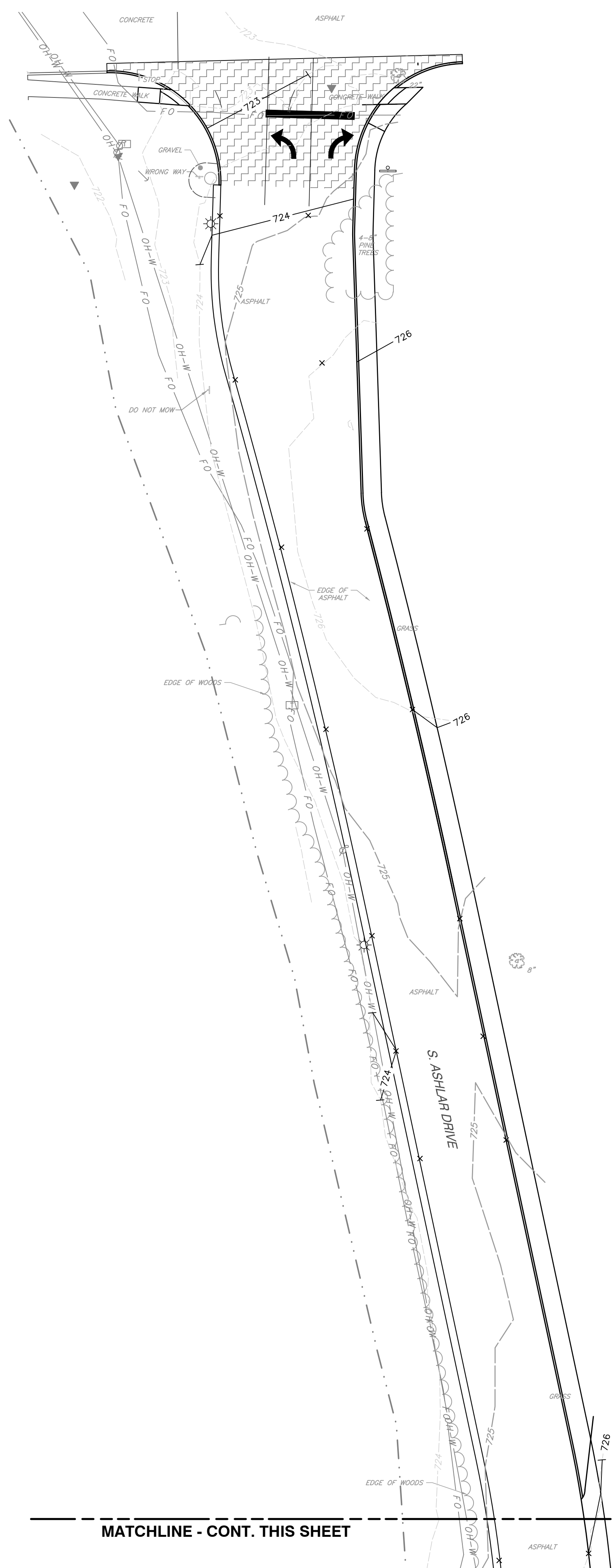
**COMPASS PARK
INDIANA MASONIC HOME
690 STATE STREET
FRANKLIN, IN 46131**

STORMWATER PLAN

DATE:	JUNE 7, 2019	DRAWN BY:	BEB
DWG SCALE: <td>1" = 20'</td> <td>CHECKED BY:<td>ACH</td></td>	1" = 20'	CHECKED BY: <td>ACH</td>	ACH
PROJECT NO: <td>180-416</td> <td>APPROVED BY:<td> </td></td>	180-416	APPROVED BY: <td> </td>	

DRAWING NO. **C402**

SHEET 19 OF 34



MATCHLINE - CONT. THIS SHEET

MATCHLINE - CONT. THIS SHEET

GENERAL GRADING NOTES:

1. CONTRACTOR SHALL STRICTLY ADHERE TO THE EROSION CONTROL MEASURES PREPARED FOR THIS PROJECT.
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5. STORM PIPE MATERIAL OPTIONS ARE AS FOLLOWS: RCP OR HDPE, AS NOTED ON PLANS.

GRADING LEGEND:

- PROPOSED INDEX CONTOUR
- PROPOSED INTERMEDIATE CONTOUR
- PROPOSED DRAINAGE SWALE
- PROPOSED GRADE BREAK
- PROPOSED STORM SEWER LINE
- PROPOSED UNDERDRAIN
- PROPOSED SPOT ELEVATION
- PROPOSED CURB SPOT ELEVATION; TOP OF CURB ON TOP, GUTTER ELEVATION ON BOTTOM

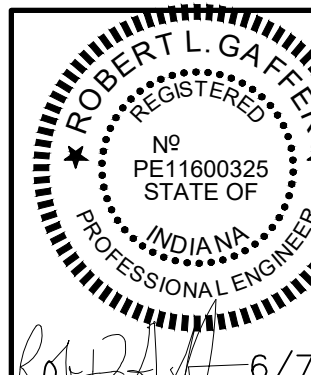
ABBREVIATIONS:
TC = TOP OF CURB
BC = BOTTOM OF CURB
TW = TOP OF WALL
BW = BOTTOM OF WALL
TR = TOP OF RAMP
BR = BOTTOM OF RAMP
ME = MATCH EXISTING

REFERENCE

1. CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION. IT IS NOT THE ENGINEER'S INTENT THAT ANY SINGLE PLAN SHEET IN THE SET OF DOCUMENTS FULLY DEPICT ALL WORK ASSOCIATED WITH THE PROJECT.
2. REFER TO FRANKLIN STANDARDS FOR FURTHER SITE LAYOUT DETAILS AND SPECIFICATIONS.

SCALE IN FEET
0 20 40

PRELIMINARY
NOT FOR CONSTRUCTION



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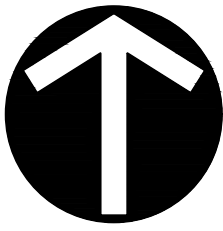
STORMWATER PLAN

DATE: JUNE 7, 2019
DRAWN BY: BEB
DWG SCALE: 1" = 20'
PROJECT NO: 180-416
APPROVED BY:

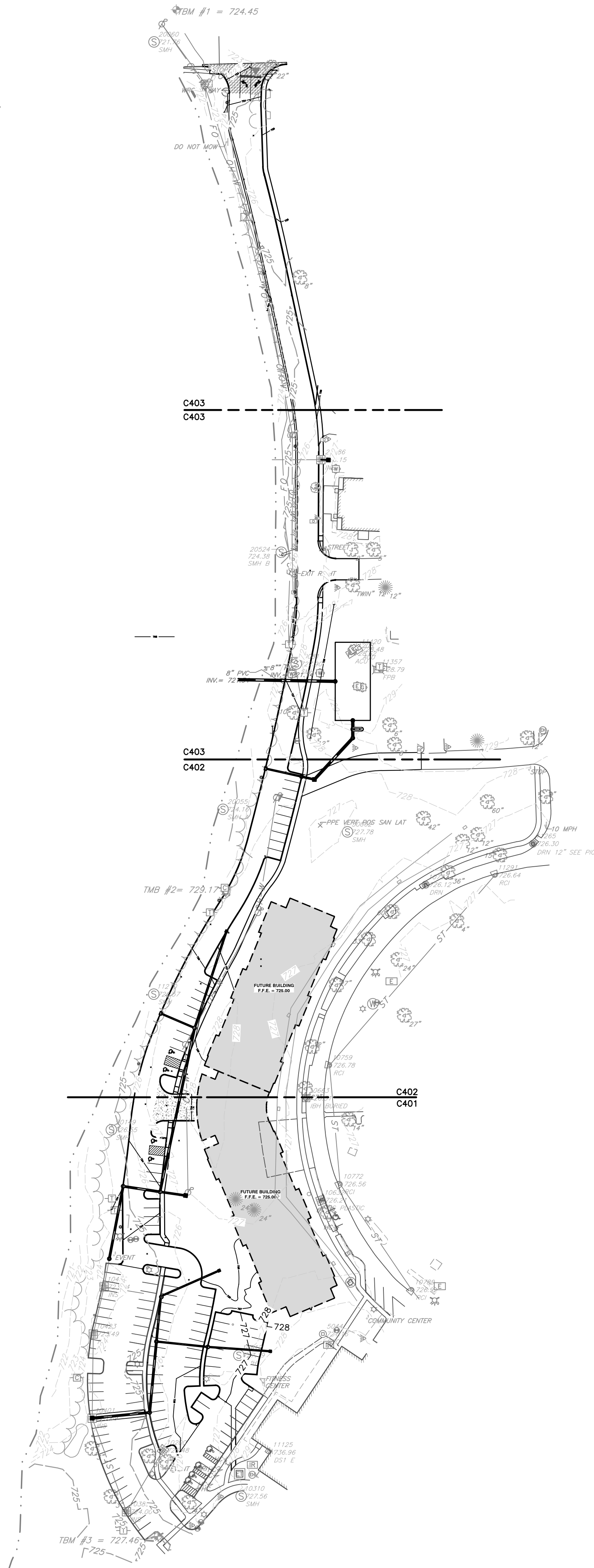
DRAWING NO.:

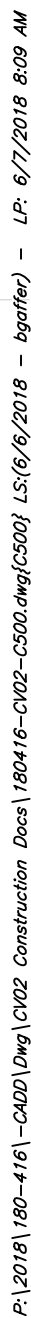
C403

SHEET 20 OF 34



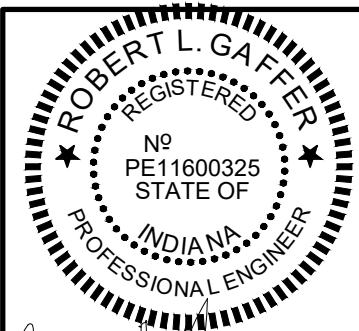
NORTH





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PRELIMINARY
NOT FOR CONSTRUCTION



DRAWING NO.:
C5
SHEET 2

DATE:	JUNE 7, 2018	DRAWN BY:	BEB
DWG SCALE:	1" = 80'	CHECKED BY:	ACH
PROJECT NO:		180-416	

[illegible]

CEE
Civil & Environmental Consultants, Inc.
530 E. Ohio Street • Suite G • Indianapolis, IN 46204
317-655-7777 • 877-746-0749



MATCHLINE - SEE SHT. C502

MATCHLINE - SEE SHT. C502

FUTURE BUILDING
F.F.E. = 725.00

APPROXIMATE FLOODPLAIN LINE
SCALED FROM FIRM MAP
NUMBER 15081C0231D
DATED AUGUST 2, 2007

GENERAL SITE LAYOUT NOTES:

1. THE CONTRACTOR SHALL CHECK EXISTING GRADES, DIMENSIONS, AND INVERTS IN THE FIELD AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE PRIOR TO BEGINNING WORK.
2. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES, INCLUDING IRRIGATION LINES. TAKE CARE TO PROTECT UTILITIES THAT ARE TO REMAIN, RELOCATE EXISTING UTILITIES AS INDICATED, OR AS NECESSARY FOR CONSTRUCTION.
3. PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING PAVEMENT AND NEW PAVEMENT. FIELD ADJUSTMENT OF FINAL GRADES MAY BE NECESSARY. INSTALL ALL UTILITIES, INCLUDING IRRIGATION SLEEVING, PRIOR TO INSTALLATION OF PAVED SURFACES.
4. SITE WORK CONCRETE WALKS AND PADS SHALL HAVE A BROOM FINISH TO ALL SURFACES. SITE WORK CONCRETE SHALL BE CLASS A (4,000 PSI @ 28 DAYS) UNLESS OTHERWISE NOTED.
5. ALL DAMAGE TO EXISTING PAVEMENT TO REMAIN WHICH RESULTS FROM THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED WITH LIKE MATERIALS AT THE CONTRACTOR'S EXPENSE.
6. SITE DIMENSIONS SHOWN ARE TO THE FACE OF CURB, OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
7. CONTRACTOR SHALL MAINTAIN ONE SET OF AS-BUILT / RECORD DRAWINGS ON THE JOB SITE DURING CONSTRUCTION FOR DISTRIBUTION TO THE OWNER AND/OR OWNER'S REPRESENTATIVE UPON COMPLETION.
8. REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT DIMENSIONS AND LOCATIONS OF UTILITY SERVICE ENTRY LOCATIONS AND PRECISE BUILDING DIMENSIONS.
9. THIS SITE LAYOUT IS SPECIFIC TO THE APPROVALS NECESSARY FOR THE CONSTRUCTION IN ACCORDANCE WITH THE CITY OF FRANKLIN. NO CHANGES TO THE SITE LAYOUT ARE ALLOWED WITHOUT THE WRITTEN APPROVAL OF THE OWNER. CHANGES MADE TO THE SITE LAYOUT WITHOUT APPROVAL IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR. CHANGES INCLUDE BUT ARE NOT LIMITED TO, INCREASED IMPERVIOUS PAVEMENT, ADDITION / DELETION OF PARKING SPACES, MOVEMENT OF CURB LINES, CHANGES TO DRAINAGE STRUCTURES AND PATTERNS, LANDSCAPING, ETC.

PROPOSED LEGEND:

- | | |
|--|--|
| | PROPOSED STORM SEWER LINE |
| | PROPOSED SANITARY LINE |
| | PROPOSED ELECTRIC LINE |
| | PROPOSED TELEPHONE LINE |
| | PROPOSED GAS LINE |
| | PROPOSED WATER LINE |
| | PROPOSED OVERHEAD UTILITY LINE |
| | PROPOSED CONDUIT |
| | PROPOSED LIGHT POLE |
| | PROPOSED WALL MOUNTED FDC, HYDRANT, WALL PIV, WATER VALVE, FREE STANDING FDC |
| | PROPOSED SANITARY MANHOLE, CLEAN OUT |
| | PROPOSED ELECTRIC TRANSFORMER |

SITE KEY NOTES:

- (A) PROPOSED SANITARY SEWER LATERAL, SDR-35, SIZE PER MEP
- (B) PROPOSED SANITARY SEWER CLEANOUT
- (C) SANITARY SEWER DEEP CONNECTION, 15 FEET DEEP OR GREATER. REFER TO DETAIL ON SHEET C800
- (D) CONNECT ELECTRIC TO EXISTING TRANSFORMER; COORDINATE WITH UTILITY PROVIDER
- (E) PROPOSED BURIED ELECTRIC. SIZE AND POWER PER MEP. COORDINATE WITH SERVICE PROVIDER
- (F) PROPOSED C900/C905 PVC WATER LINE WITH TAPPING VALVE AND SLEEVE. SIZE PER MEP
- (G) PROPOSED WATER VAULT PER IAW STANDARDS WITH PIV.
- (H) PROPOSED C900/905 FIRE PROTECTION LINE. SIZE PER MEP
- (I) PROPOSED C900/C905 FIRE PROTECTION LINE WITH FDC PER IAW AND CITY OF FRANKLIN STANDARDS.
- (J) PROPOSED RE-ROUTED FIRE HYDRANT WATER LINE AROUND FUTURE BUILDING. COORDINATE WITH IAW AND CITY OF FRANKLIN FIRE DEPARTMENT.
- (K) WATER QUALITY DIVERSION STRUCTURE.
- (L) WATER QUALITY UNIT, AS-6.
- (M) INSTALL BACKFLOW PREVENTER VALVE ON DOWNSTREAM END OF UNDERGROUND DETENTION OUTLET PIPE

REFERENCE

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SCALE IN FEET
0 20 40

PRELIMINARY
NOT FOR CONSTRUCTION



UTILITY PLAN

DATE:	JUNE 7, 2018	DRAWN BY:	BEB
DWG SCALE:	1" = 20'	CHECKED BY:	ACH
PROJECT NO:	180-416	APPROVED BY:	

DRAWING NO. **C501**
SHEET 22 OF 34

COMPASS PARK
INDIANA MASONIC HOME
690 STATE STREET
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530 E. Ohio Street - Suite G - Indianapolis, IN 46204
317-655-7777 - 877-746-0749
www.cedinc.com

REVISION RECORD

NO.	DATE	DESCRIPTION



MATCHLINE - SEE SHT. C503

5 POINTS DRIVE **MATCHLINE - SEE SHT. C503**

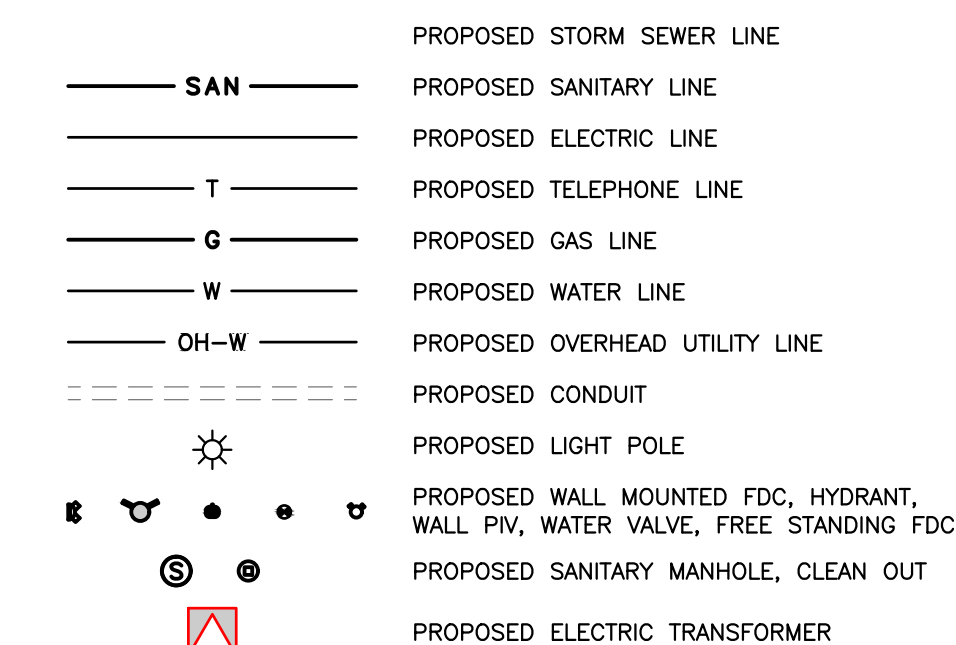
MATCHLINE - SEE SHT. C501

MATCHLINE - SEE SHT. C501

GENERAL SITE LAYOUT NOTES:

1. THE CONTRACTOR SHALL CHECK EXISTING GRADES, DIMENSIONS, AND INVERTS IN THE FIELD AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE PRIOR TO BEGINNING WORK.
2. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES, INCLUDING IRRIGATION LINES. TAKE CARE TO PROTECT UTILITIES THAT ARE TO REMAIN. RELOCATE EXISTING UTILITIES AS INDICATED, OR AS NECESSARY FOR CONSTRUCTION.
3. PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING PAVEMENT AND NEW PAVEMENT. FIELD ADJUSTMENT OF FINAL GRADES MAY BE NECESSARY. INSTALL ALL UTILITIES, INCLUDING IRRIGATION SLEEVING, PRIOR TO INSTALLATION OF PAVED SURFACES.
4. SITE WORK CONCRETE WALKS AND PADS SHALL HAVE A BROOM FINISH TO ALL SURFACES. SITE WORK CONCRETE SHALL BE CLASS A (4,000 PSI @ 28 DAYS) UNLESS OTHERWISE NOTED.
5. ALL DAMAGE TO EXISTING PAVEMENT TO REMAIN WHICH RESULTS FROM THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED WITH LIKE MATERIALS AT THE CONTRACTOR'S EXPENSE.
6. SITE DIMENSIONS SHOWN ARE TO THE FACE OF CURB, OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
7. CONTRACTOR SHALL MAINTAIN ONE SET OF AS-BUILT / RECORD DRAWINGS ON THE JOB SITE DURING CONSTRUCTION FOR DISTRIBUTION TO THE OWNER AND/OR OWNER'S REPRESENTATIVE UPON COMPLETION.
8. REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT DIMENSIONS AND LOCATIONS OF UTILITY SERVICE ENTRY LOCATIONS AND PRECISE BUILDING DIMENSIONS.
9. THIS SITE LAYOUT IS SPECIFIC TO THE APPROVALS NECESSARY FOR THE CONSTRUCTION IN ACCORDANCE WITH THE CITY OF FRANKLIN. NO CHANGES TO THE SITE LAYOUT ARE ALLOWED WITHOUT THE WRITTEN APPROVAL OF THE CITY OF FRANKLIN. CHANGES TO THE SITE LAYOUT WITHOUT APPROVAL IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR. CHANGES INCLUDE BUT ARE NOT LIMITED TO, INCREASED IMPERVIOUS PAVEMENT, ADDITION / DELETION OF PARKING SPACES, MOVEMENT OF CURB LINES, CHANGES TO DRAINAGE STRUCTURES AND PATTERNS, LANDSCAPING, ETC.

PROPOSED LEGEND:

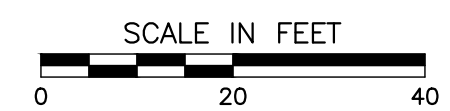


SITE KEY NOTES:

- (A) PROPOSED SANITARY SEWER LATERAL, SDR-35, SIZE PER MEP
- (B) PROPOSED SANITARY SEWER CLEANOUT
- (C) SANITARY SEWER DEEP CONNECTION, 15 FEET DEEP OR GREATER. REFER TO DETAIL ON SHEET C800
- (D) CONNECT ELECTRIC TO EXISTING TRANSFORMER; COORDINATE WITH UTILITY PROVIDER
- (E) PROPOSED BURIED ELECTRIC. SIZE AND POWER PER MEP. COORDINATE WITH SERVICE PROVIDER
- (F) PROPOSED C900/C905 PVC WATER LINE WITH TAPPING VALVE AND SLEEVE. SIZE PER MEP
- (G) PROPOSED WATER VAULT PER IAW STANDARDS WITH PIV.
- (H) PROPOSED C900/905 FIRE PROTECTION LINE. SIZE PER MEP
- (I) PROPOSED C900/C905 FIRE PROTECTION LINE WITH FDC PER IAW AND CITY OF FRANKLIN STANDARDS.
- (J) PROPOSED RE-ROUTED FIRE HYDRANT WATER LINE AROUND FUTURE BUILDING. COORDINATE WITH IAW AND CITY OF FRANKLIN FIRE DEPARTMENT.
- (K) WATER QUALITY DIVERSION STRUCTURE.
- (L) WATER QUALITY UNIT, AS-6.
- (M) INSTALL BACKFLOW PREVENTER VALVE ON DOWNSTREAM END OF UNDERGROUND DETENTION OUTLET PIPE

REFERENCE

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2. REFER TO FRANKLIN STANDARDS FOR FURTHER SITE LAYOUT DETAILS AND SPECIFICATIONS.



PRELIMINARY
NOT FOR CONSTRUCTION



—6/7/18

DRAWING NO.:

UTILITY PLAN

DATE:	JUNE 7, 2018	DRAWN BY:	BEB
DWG SCALE:	1" = 20'	CHECKED BY:	ACH
PROJECT NO:	180-416		

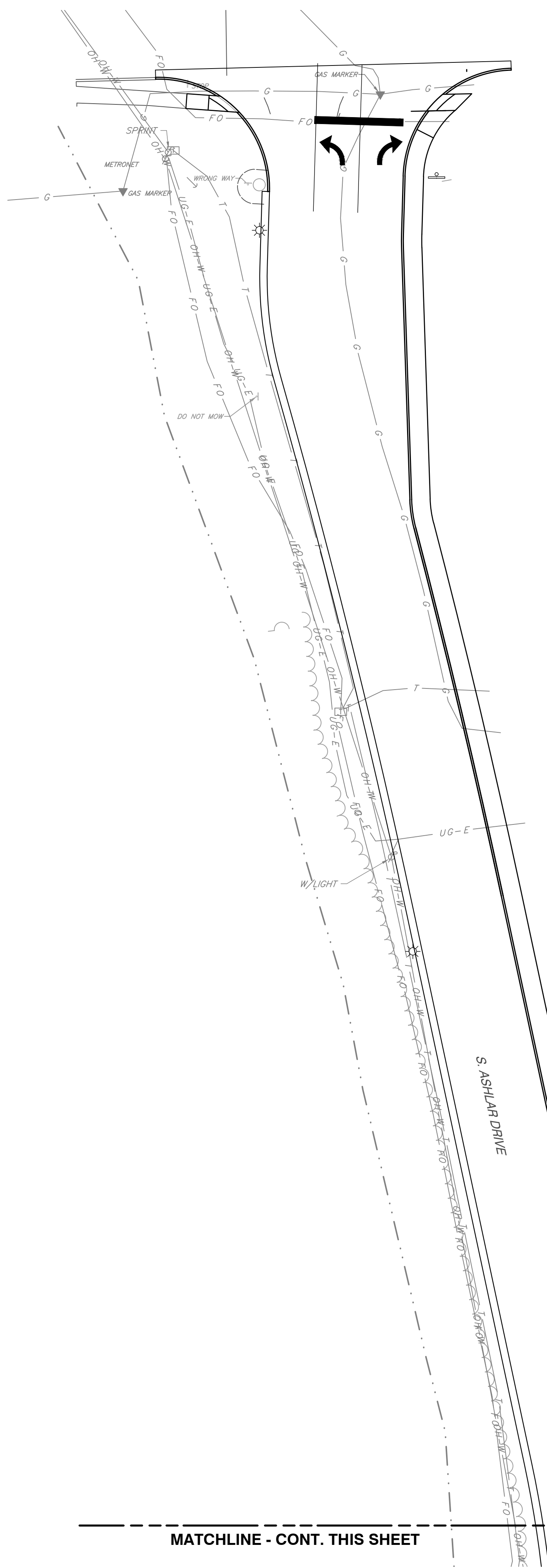
**COMPASS PARK
INDIANA MASONIC HOME
690 STATE STREET
FRANKLIN, IN 46131**

CEC

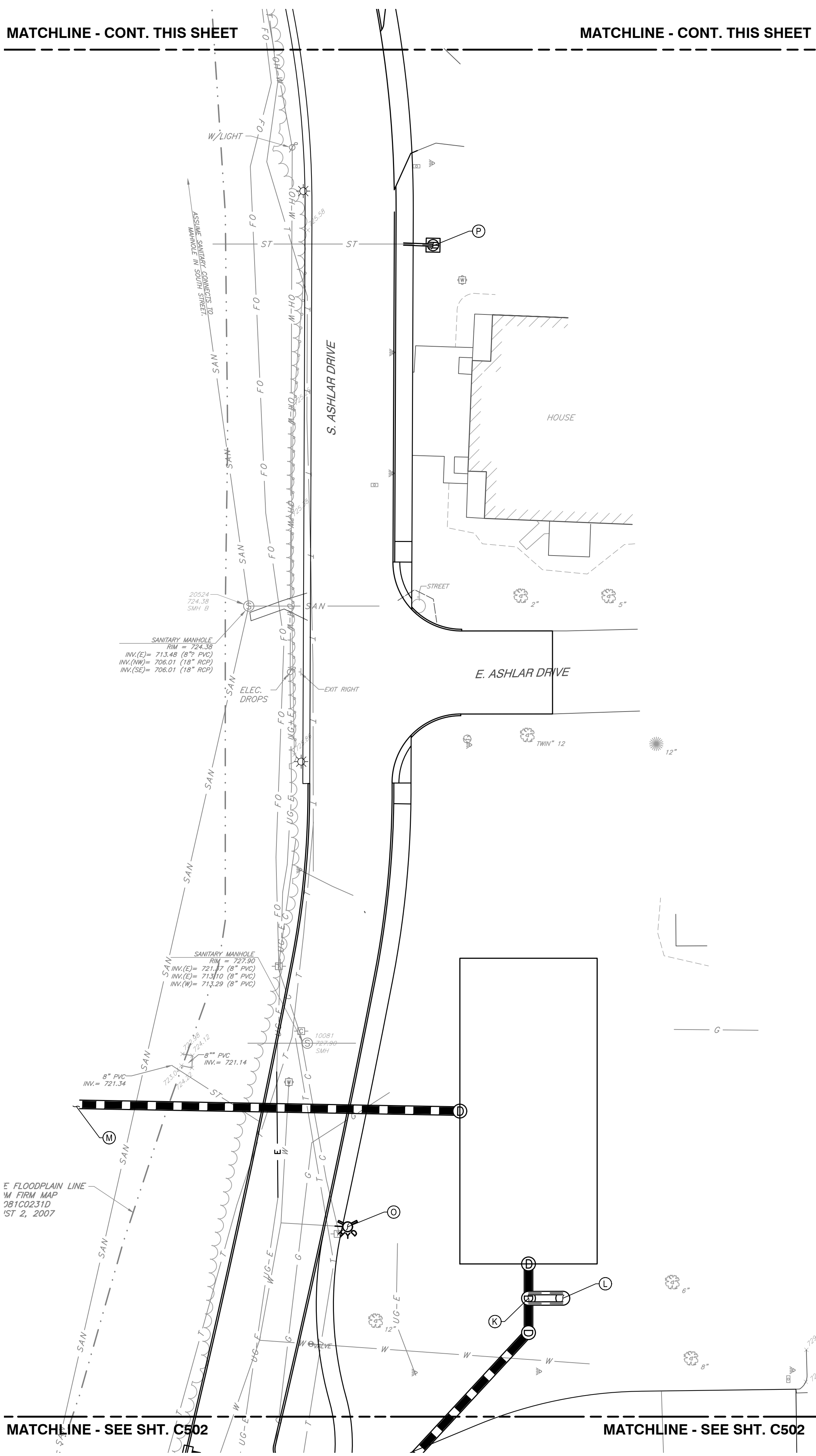
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317-655-7777 · 877-745-0749
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2: [2018\180-416\ -CA02] dwg\ CV02 Construction Docs\180416-CV02-C500.dwg[C502] LS:[6/6/2018 - bogdoff] - LP: 6/7/2018 8:09 AM

A:\2018\180-416\CD\DWG\CD2 Construction Area\180416-CD2-C500.dwg(C500) LS(6/7/2018 - 09:49) - LP: 6/7/2018 8:08 AM



MATCHLINE - CONT. THIS SHEET



GENERAL SITE LAYOUT NOTES:

1. THE CONTRACTOR SHALL CHECK EXISTING GRADES, DIMENSIONS, AND INVERTS IN THE FIELD AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE PRIOR TO BEGINNING WORK.
2. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES, INCLUDING IRRIGATION LINES. TAKE CARE TO PROTECT UTILITIES THAT ARE TO REMAIN, RELOCATE EXISTING UTILITIES AS INDICATED, OR AS NECESSARY FOR CONSTRUCTION.
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PROPOSED LEGEND:

	PROPOSED STORM SEWER LINE
	PROPOSED SANITARY LINE
	PROPOSED ELECTRIC LINE
	PROPOSED TELEPHONE LINE
	PROPOSED GAS LINE
	PROPOSED WATER LINE
	PROPOSED OVERHEAD UTILITY LINE
	PROPOSED CONDUIT
	PROPOSED LIGHT POLE
	PROPOSED WALL MOUNTED FDC, HYDRANT, WALL PIV, WATER VALVE, FREE STANDING FDC
	PROPOSED SANITARY MANHOLE, CLEAN OUT
	PROPOSED ELECTRIC TRANSFORMER

SITE KEY NOTES:

- (A) PROPOSED SANITARY SEWER LATERAL, SDR-35, SIZE PER MEP
- (B) PROPOSED SANITARY SEWER CLEANOUT
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REFERENCE

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2. REFER TO FRANKLIN STANDARDS FOR FURTHER SITE LAYOUT DETAILS AND SPECIFICATIONS.

SCALE IN FEET
0 20 40

PRELIMINARY
NOT FOR CONSTRUCTION



UTILITY PLAN

DATE:	JUNE 7, 2019	DRAWN BY:	BEB
DWG SCALE:	1" = 20'	CHECKED BY:	ACH
PROJECT NO.:	180-416	APPROVED BY:	

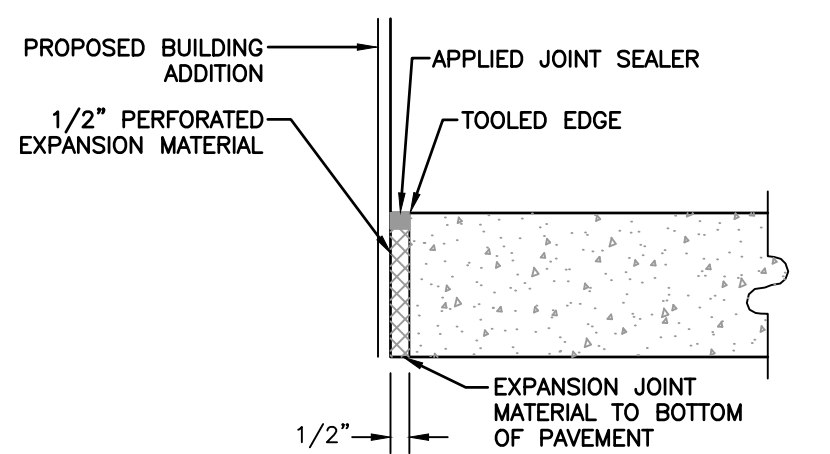
DRAWING NO.:
C503

SHEET 24 OF 34

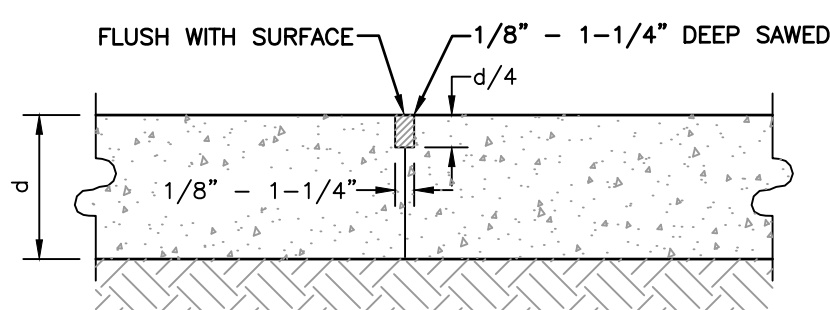
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INDIANA MASONIC HOME
690 STATE STREET
FRANKLIN, IN 46131**

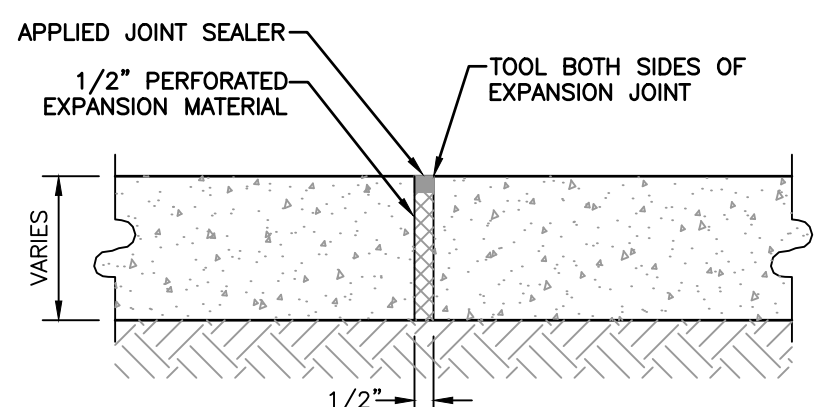
NO.	DATE	DESCRIPTION



EXPANSION JOINT AT BUILDING DETAIL

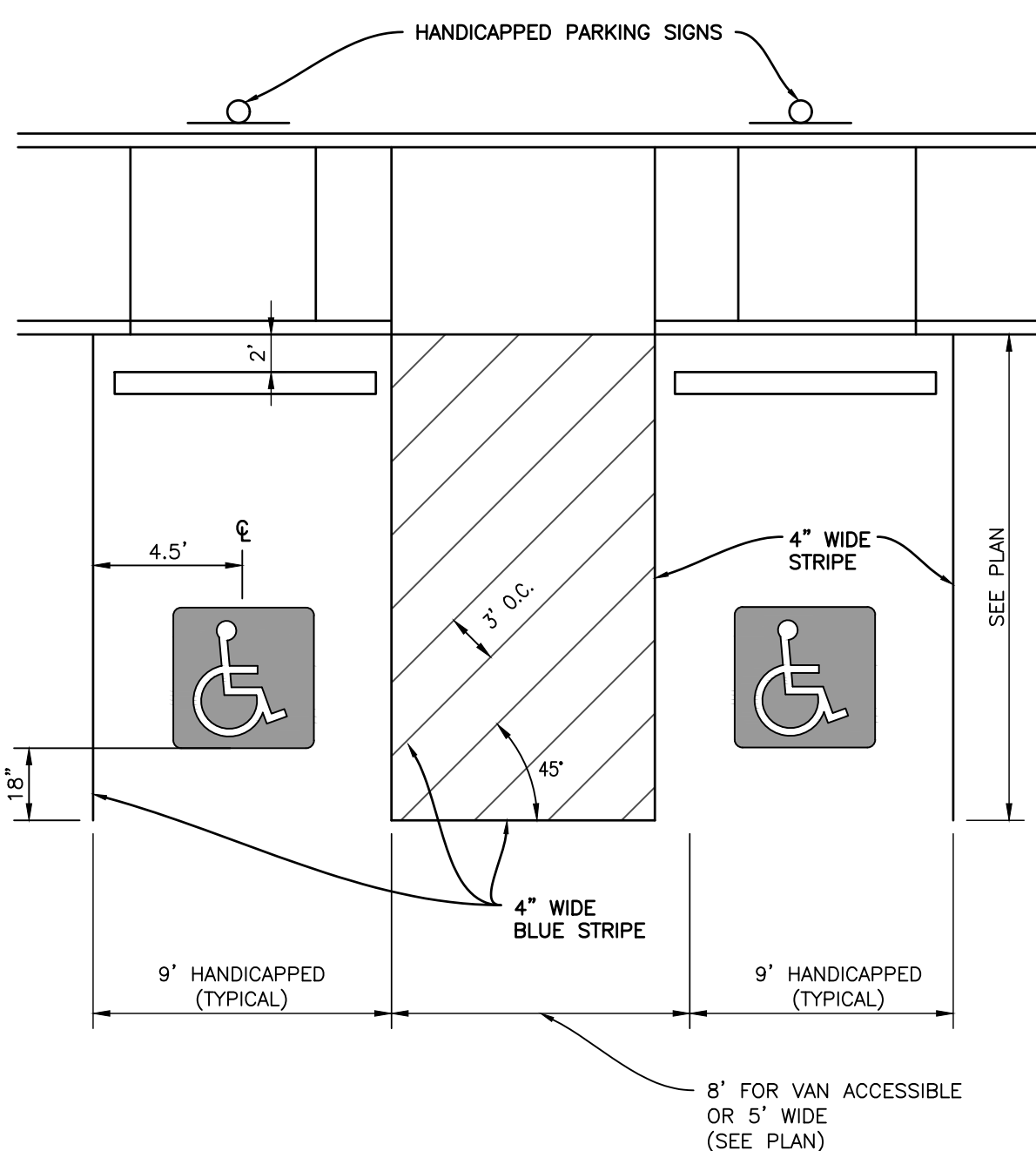


CONTROL JOINT

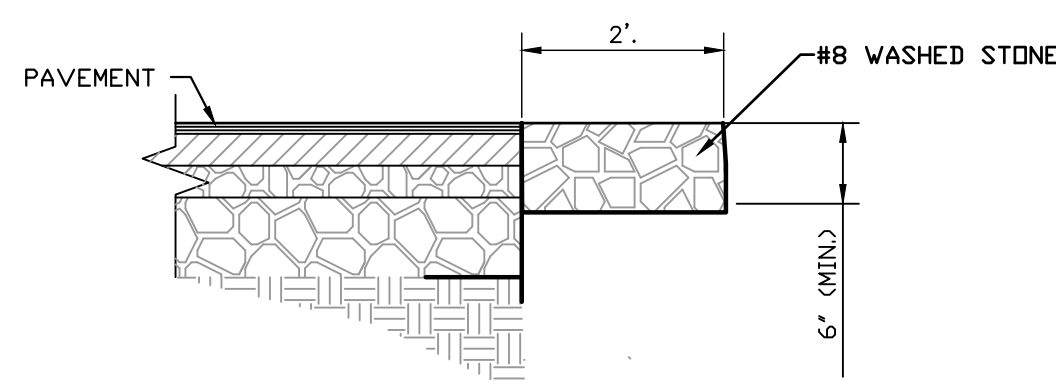


EXPANSION JOINT DETAIL

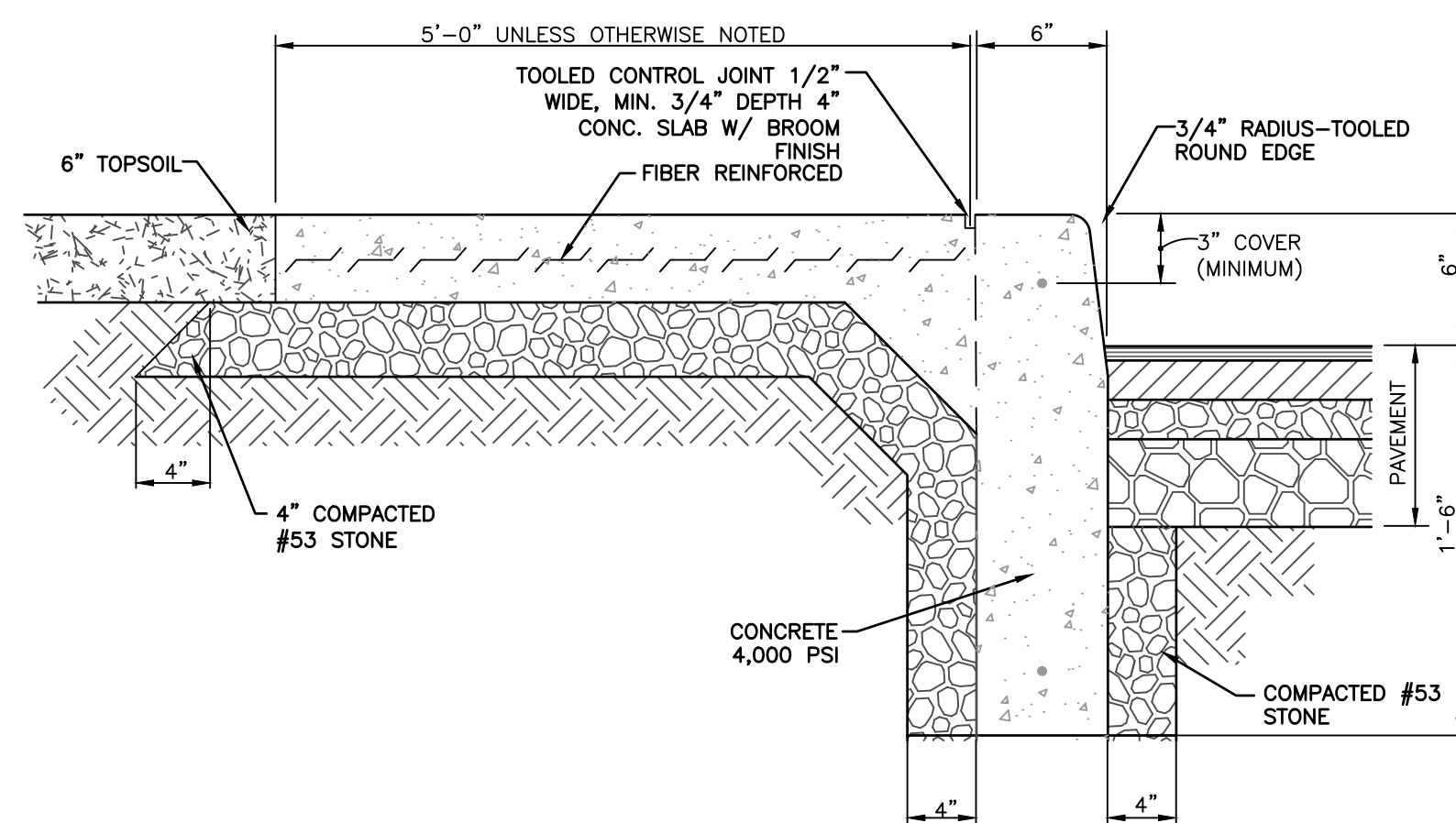
DETAIL 210 - CONCRETE JOINT DETAILS
NOT TO SCALE



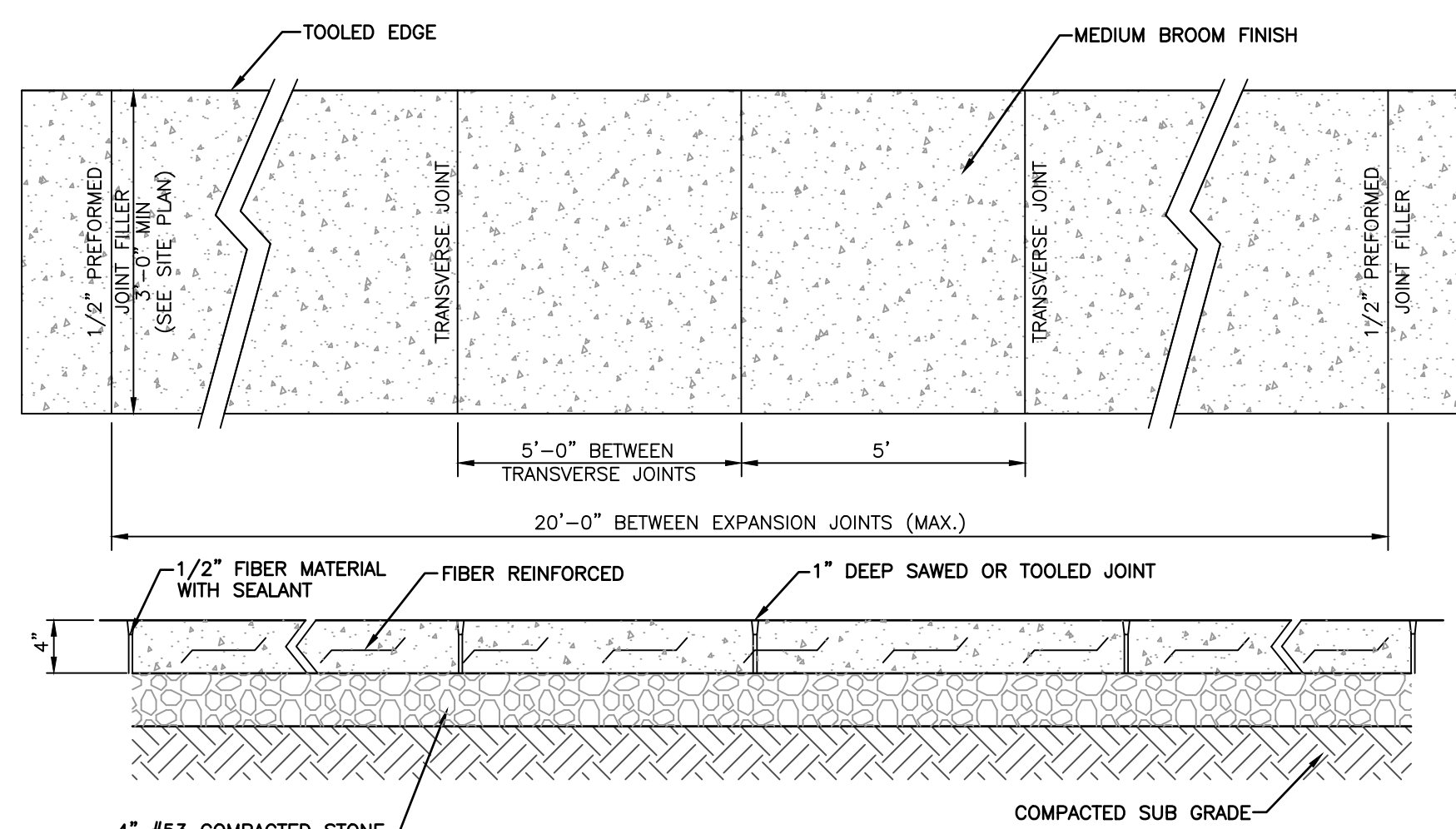
DETAIL 211 - ADA ACCESSIBLE PARKING STALLS
NOT TO SCALE



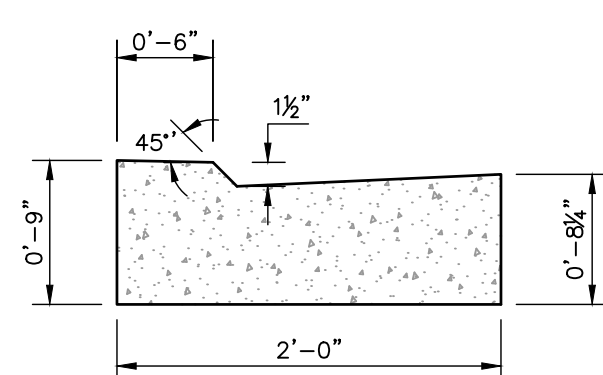
DETAIL 215 - STONE SHOULDER



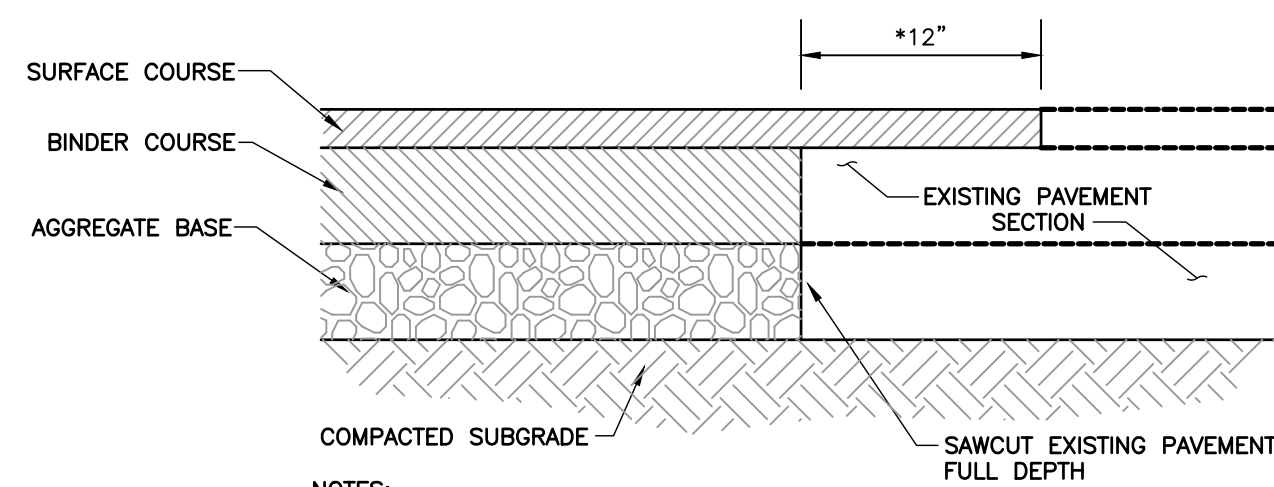
DETAIL 206 - COMBINED CURB & WALK DETAIL
NOT TO SCALE



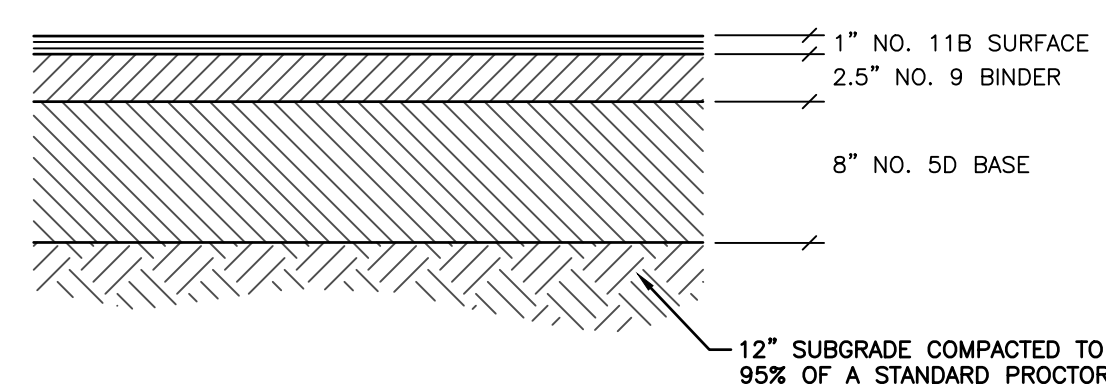
DETAIL 207 - CONCRETE SIDEWALK
NOT TO SCALE



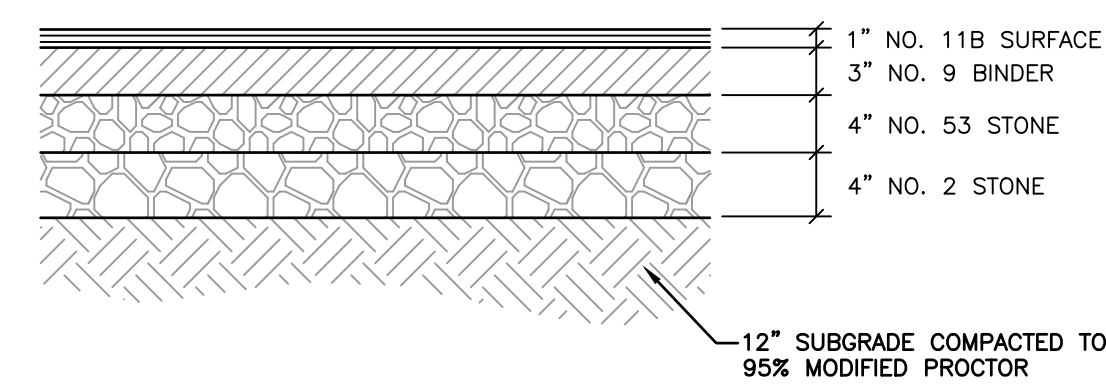
**DETAIL 208 - DEPRESSED CONCRETE
CURB AND GUTTER**
NOT TO SCALE



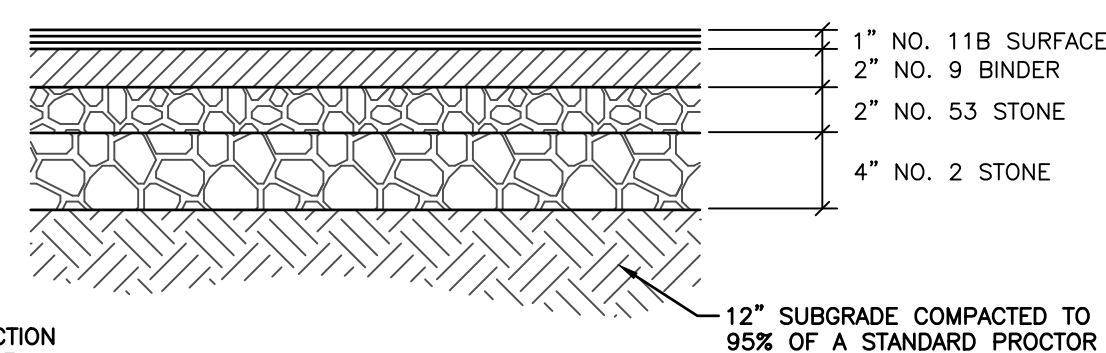
DETAIL 209 - LAP JOINT DETAIL
NOT TO SCALE



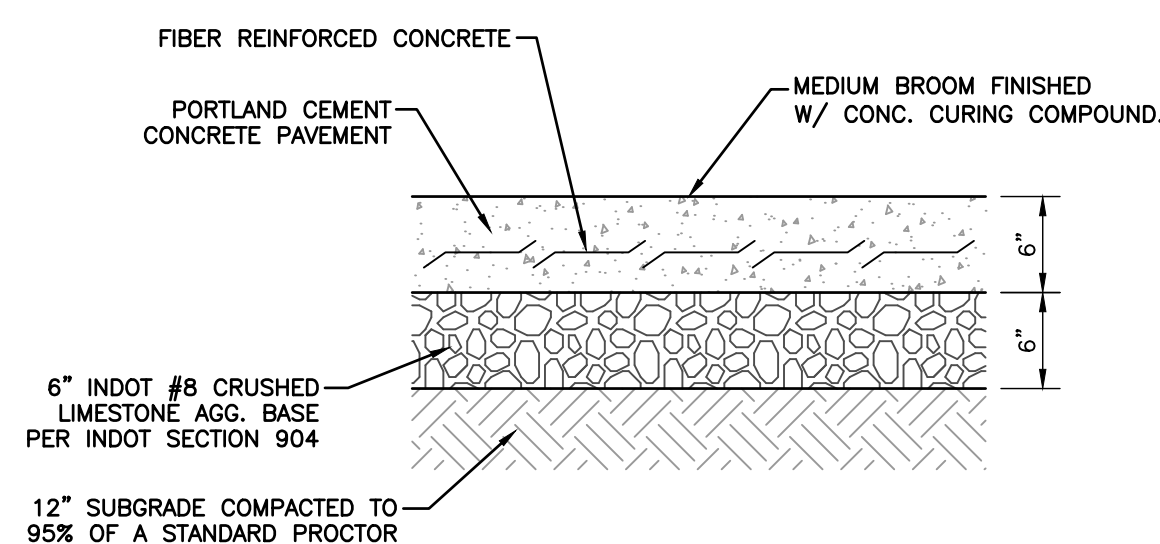
DETAIL 201 - RIGHT-OF-WAY
PAVEMENT SECTION
NOT TO SCALE



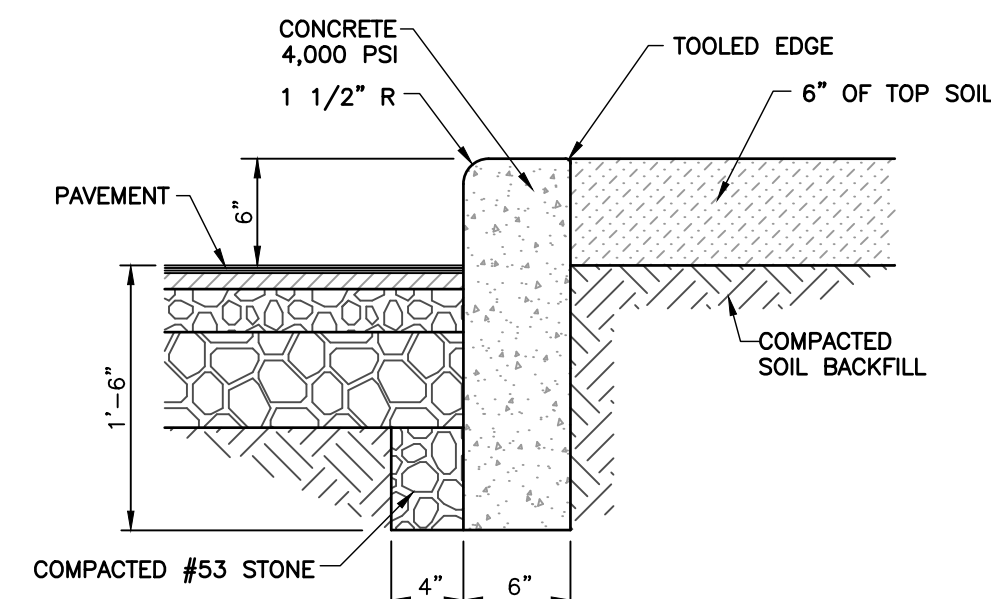
**DETAIL 202 - HEAVY DUTY ASPHALT
PAVEMENT SECTION**
NOT TO SCALE



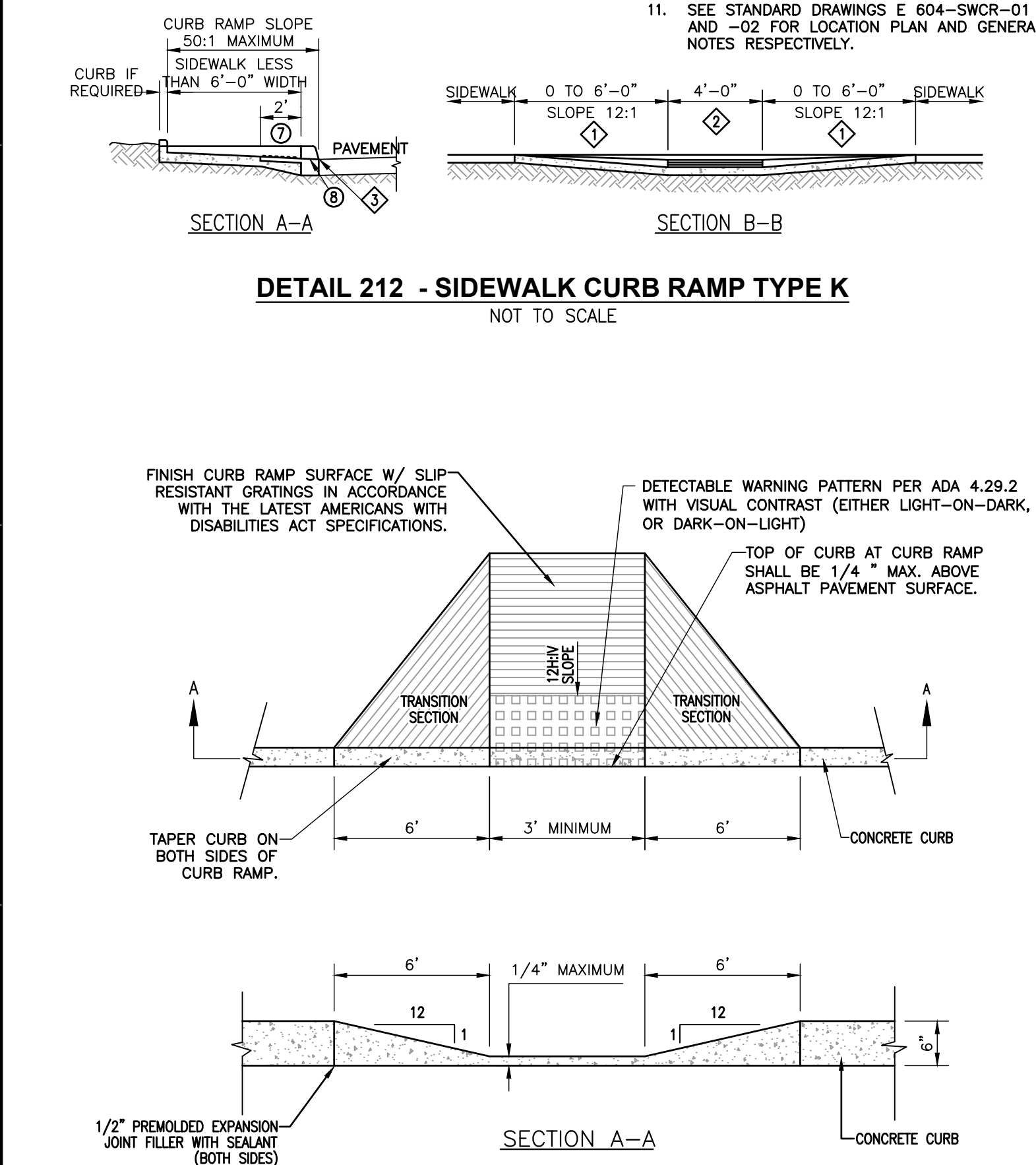
DETAIL 203 - LIGHT DUTY ASPHALT
PAVEMENT SECTION
NOT TO SCALE



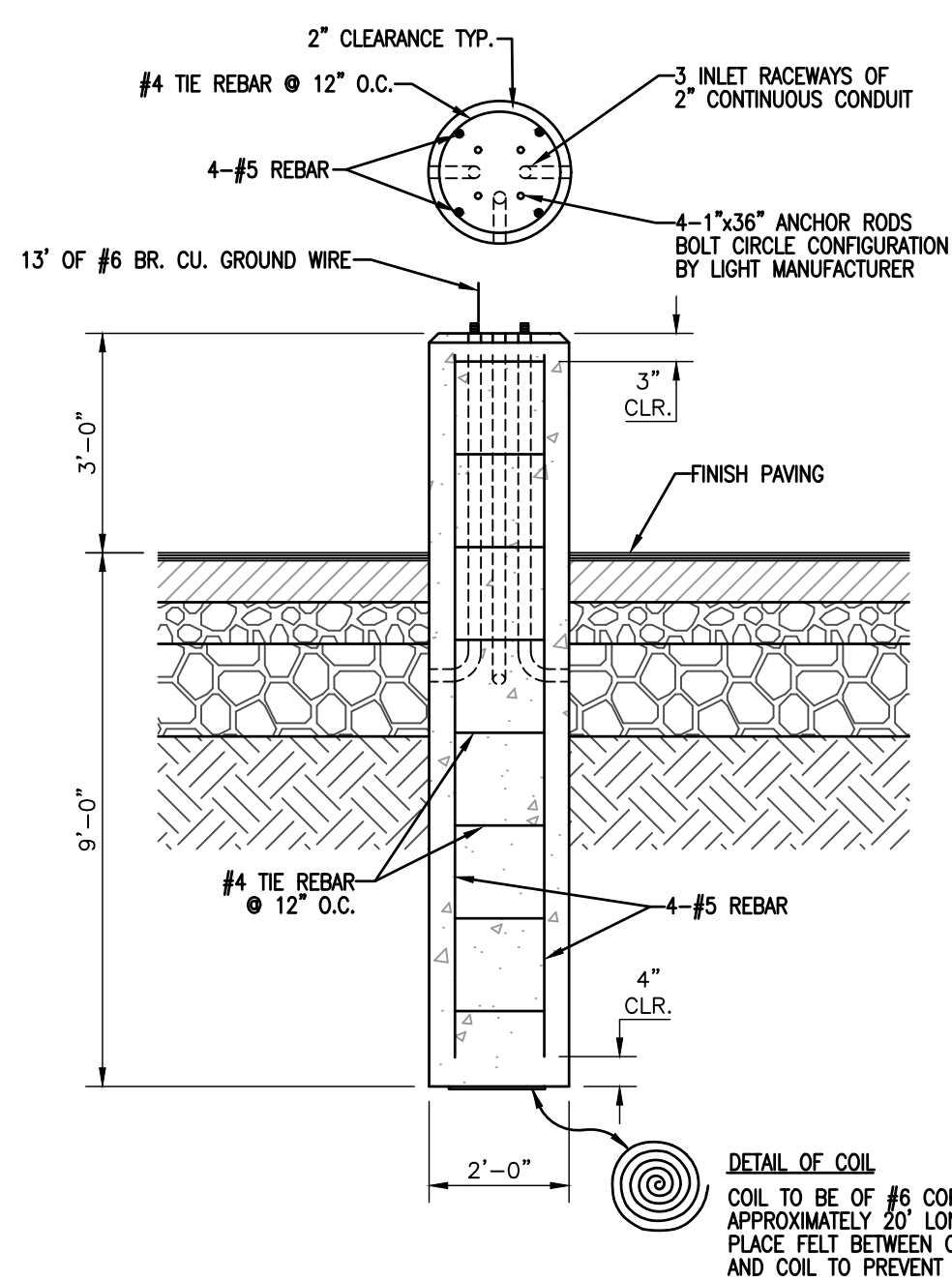
DETAIL 204 - CONCRETE PAVEMENT SECTION
NOT TO SCALE



DETAIL 205 - STRAIGHT CONCRETE CURB DETAIL
NOT TO SCALE



DETAIL 213 - TYPICAL CURB RAMP TYPE A
NOT TO SCALE



DETAIL 214 - LIGHT POLE BASE DETAIL
NOT TO SCALE

[illegible]

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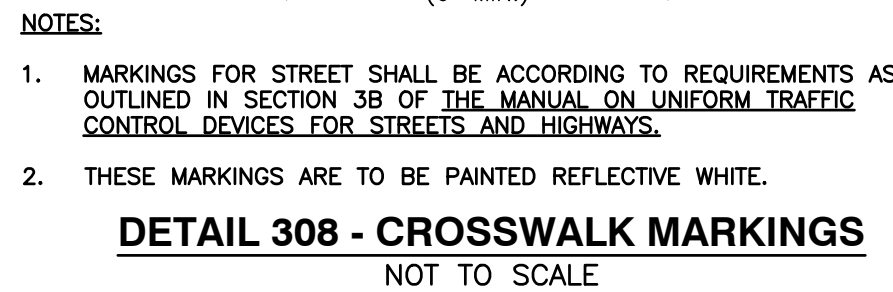
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317-655-7777 • 877-746-0749
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**COMPASS PARK
INDIANA MASONIC HOME
690 STATE STREET
FRANKLIN, IN 46131**

SITE DETAILS

DATE:	JUNE 7, 2018	DRAWN BY:	BEB
DWG SCALE:	1" = 20'	CHECKED BY:	ACH
PROJECT NO:	180-416		
APPROVED BY:			

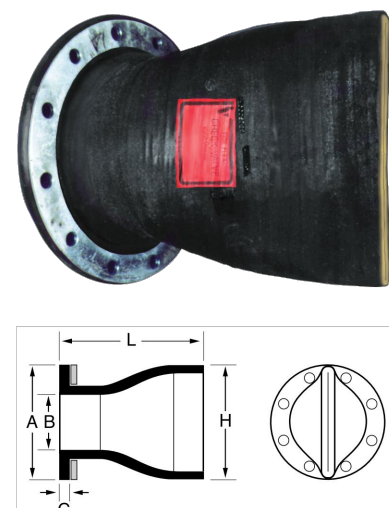
DRAWING NO.:
C800
SHEET **25** OF **34**



DETAIL 307 - DUCK BILL CHECK VALVE
NOT TO SCALE



Tideflex Technologies • 600 N. Bell Ave., Carnegie, PA 15106 USA • 412-279-0044 • Fax 412-279-7878 • www.tideflex.com



SITE DETAILS

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**COMPASS PARK
INDIANA MASONIC HOME
690 STATE STREET
FRANKLIN, IN 46131**

<div style="text-align: center;"> <h1>SITE DETAILS</h1> </div>	
DATE:	JUNE 7, 2016
DWG SCALE:	DRAWN BY: 1" = 20'
PROJECT NO:	CHECKED BY: 180-416
	BEB ACH

C801

SHEET 26 OF 34



Any sub-base used in the construction profile should be permeable – for example DOT Type 3. It should be predominantly fine material free and able to compact well without losing integrity, stability and permeability/porosity. DOT type 1 should not be used. Please check with the technical team if an impermeable layer is already in place for guidance.

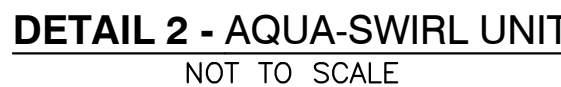
Table 1 - Typical Sub-Base Thickness (with / without geo-grid)

Table 2 - Field Guidance for estimating sub-grade strengths

GRASS, GROUND & GRAVEL REINFORCEMENT **suregreen**
Suregreen Limited, 2 Croft Way, Eastways Industrial Estate, Witham, Essex, CM8 2FB
t 01376 503869 e sales@sure-green.com w www.sure-ground.com



NOT TO SCALE




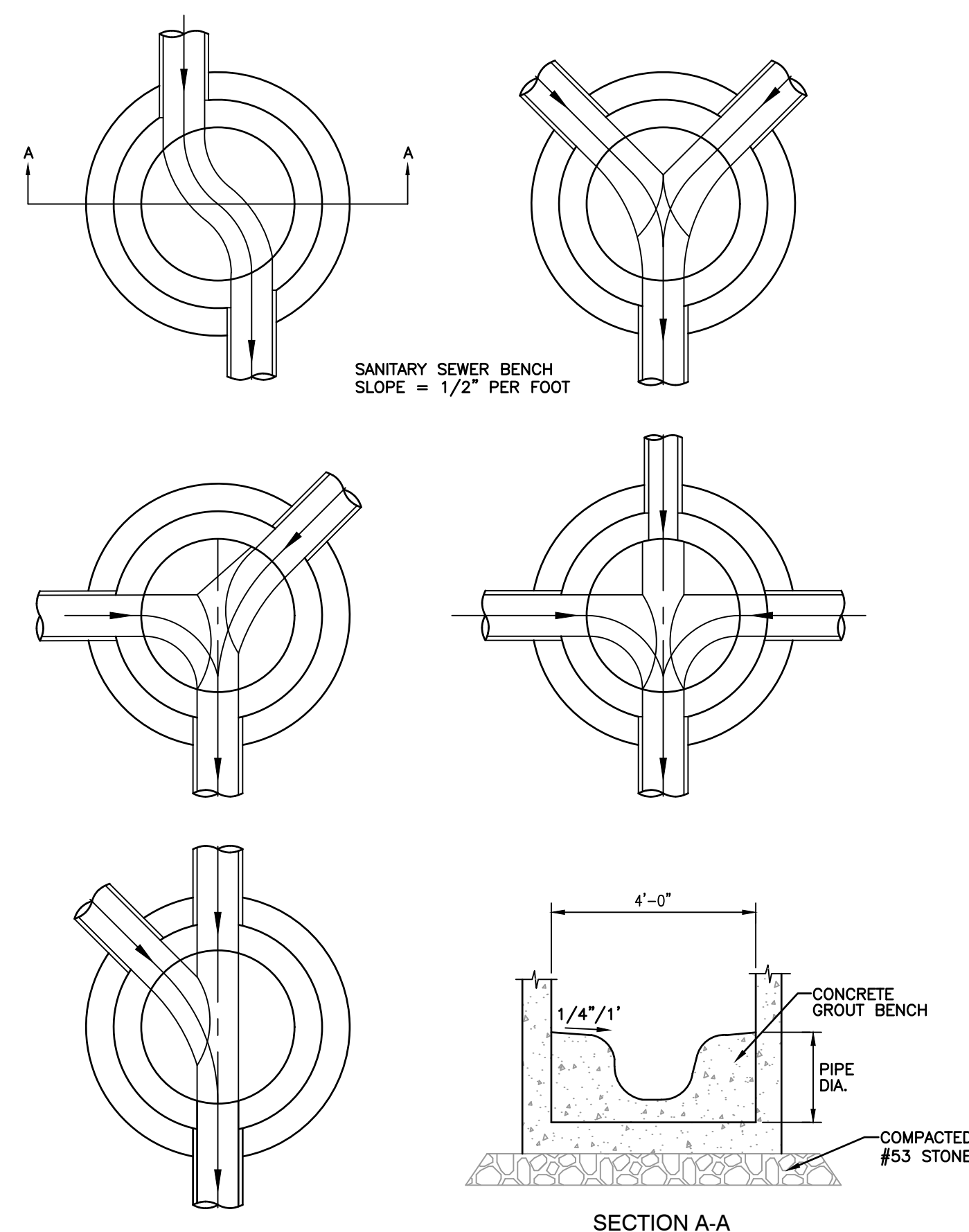
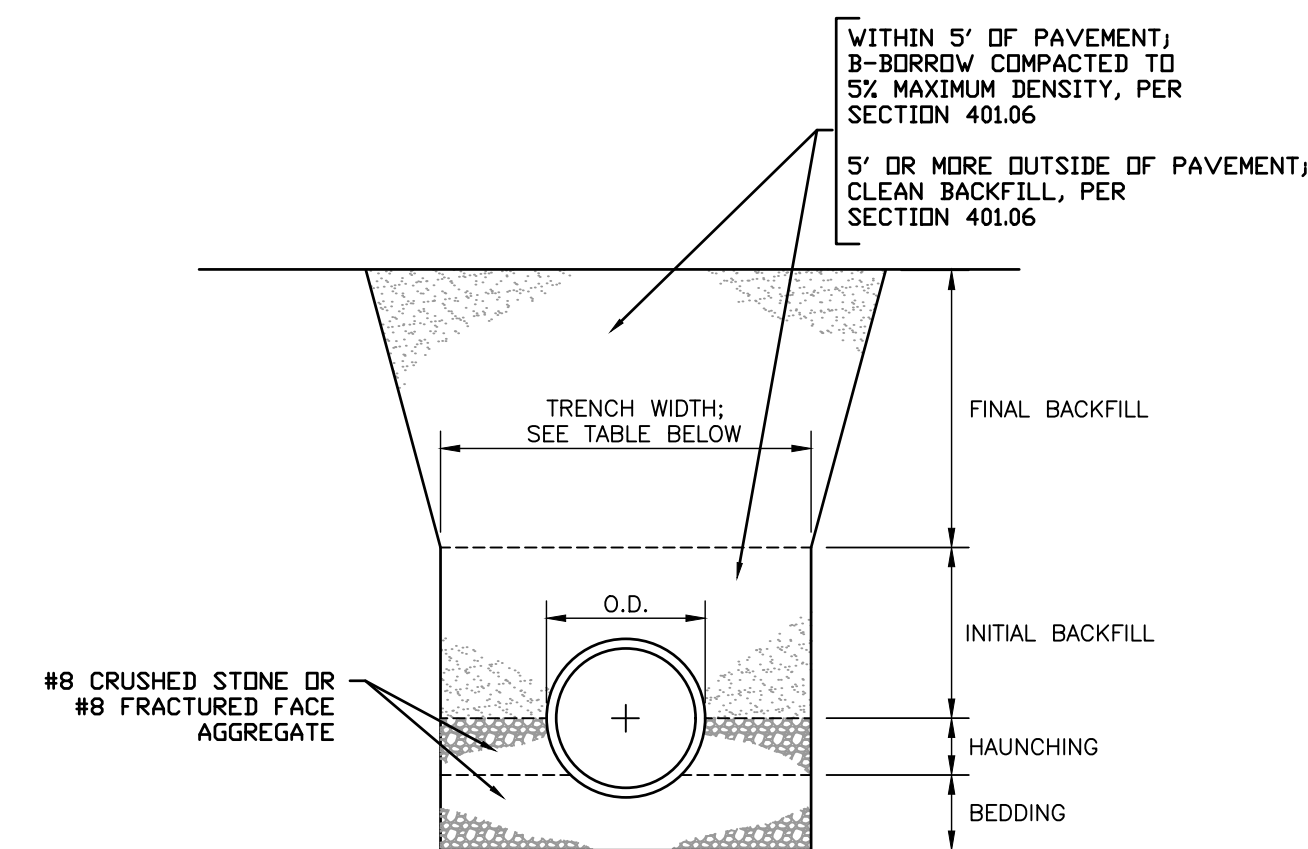
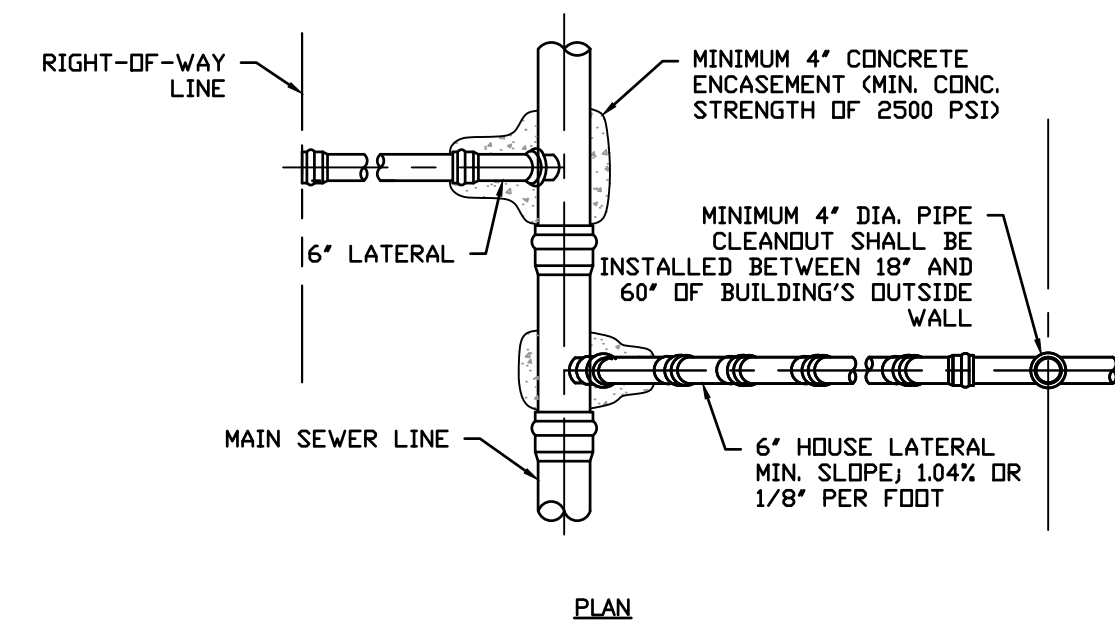
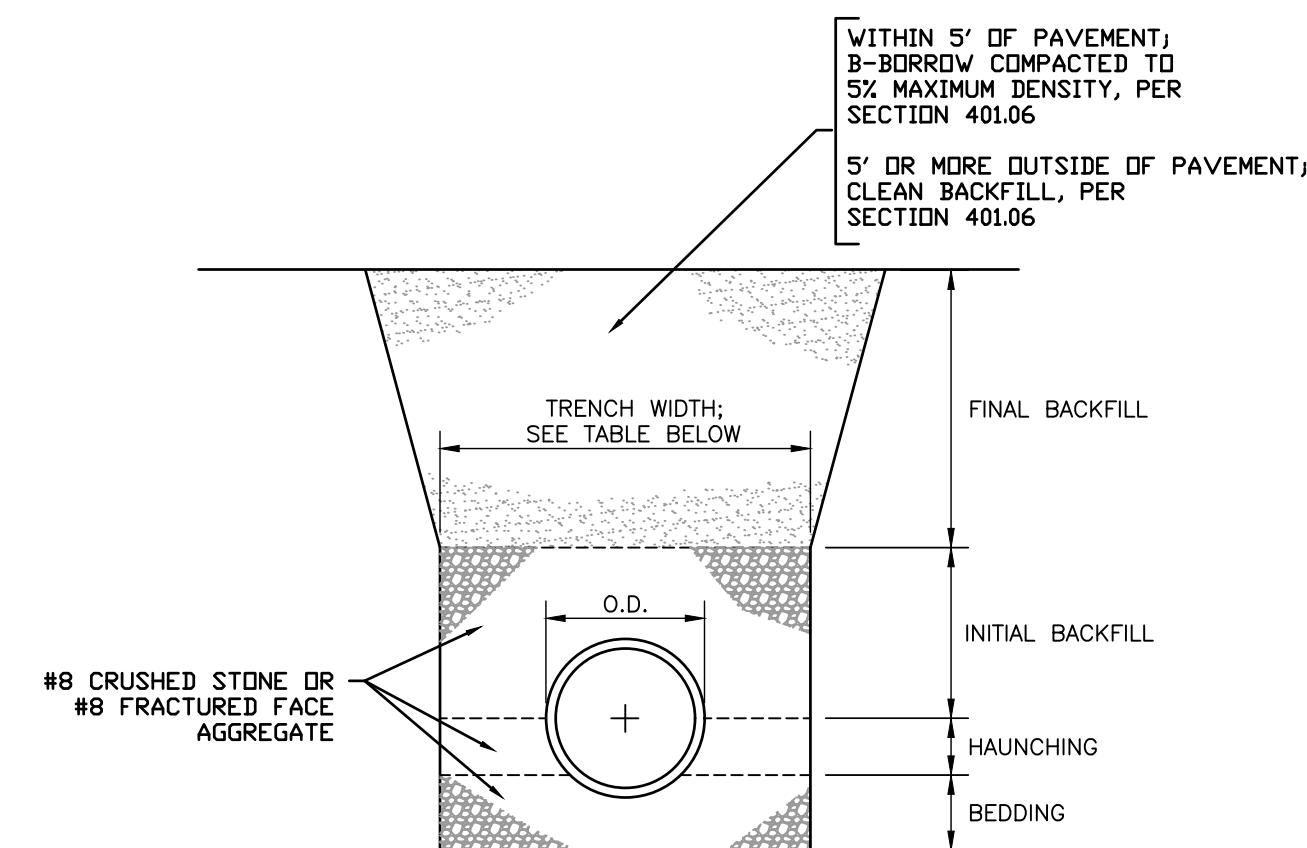
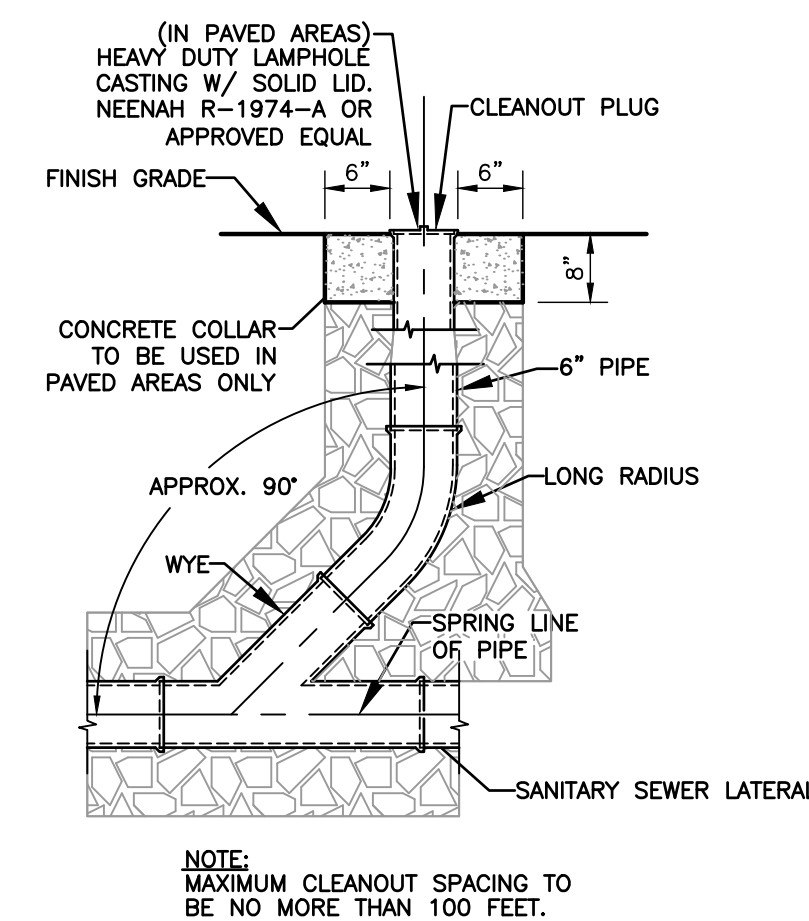
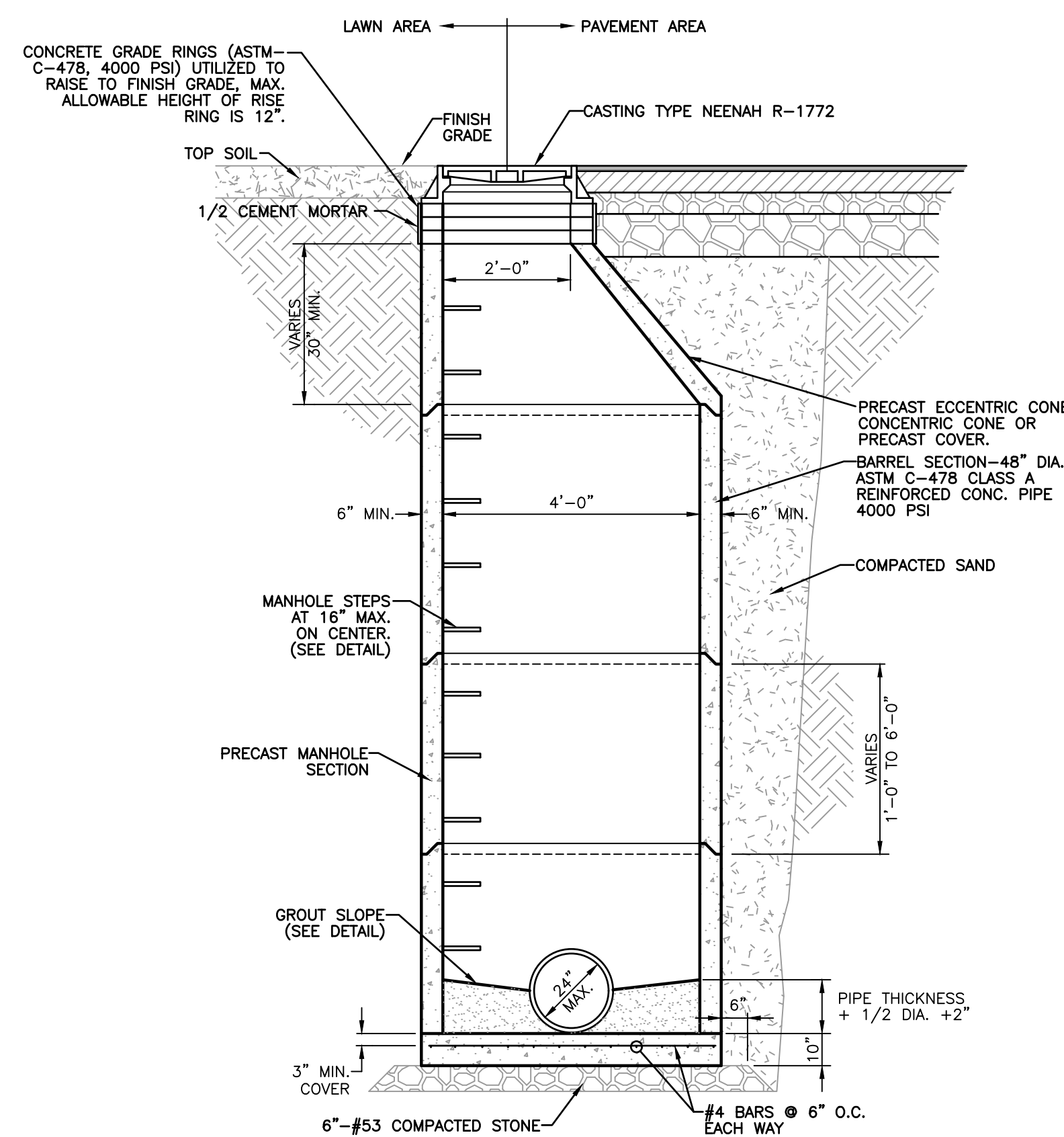
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FRANKLIN, IN 46131**

DRAWING NO.:
C802
SHEET **27** OF **34**



[illegible]

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**COMPASS PARK
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690 STATE STREET
FRANKLIN, IN 46131**

SITE DETAILS			
DATE:	JUNE 7, 2018	DRAWN BY:	BEB
DWG SCALE:	1" = 20'	CHECKED BY:	ACH
PROJECT NO.:			
APPROVED BY:	180-416		



MATCHLINE - SEE SHT. C903

MATCHLINE - SEE SHT. C903
5 POINTS DRIVE

LIMITS OF CONSTRUCTION

LIMITS OF CONSTRUCTION

STORM INLET PROTECTION.
REFER TO DETAIL ON SHEET C905.

SILT FENCE. REFER TO DETAIL ON SHEET C905.

STORM INLET PROTECTION.
REFER TO DETAIL ON SHEET C905.

STORM INLET PROTECTION. REFER TO DETAIL ON SHEET C905.

5 POINTS DRIVE

RED SKELTON CIRCLE

RECESSED CURB INLET
RIM = 726.78
INV.(N) = 724.28 (8" VCP)
INV.(S) = 724.26 (8" VCP)

BEEHIVE DET.
BURIED AND COMPLETELY FILLED WITH DIRT AND DEBRIS

GENERAL EROSION CONTROL NOTES:

1. CONTRACTOR SHALL INSTALL ALL REQUIRED SILT FENCES, SILT TRAPS, TREE PROTECTION AND INLET PROTECTION FOR EXISTING INLETS PRIOR TO THE START OF ANY EARTH MOVING OR STRIPPING.
2. CONTRACTOR SHALL INSTALL A STONE CONSTRUCTION ENTRANCE OR SOME OTHER DEVICE PRIOR TO THE START OF EARTHWORK AS NECESSARY TO PREVENT SOIL FROM BEING TRACKED OR WASHED INTO EXISTING ROADWAYS.
3. LAND ALTERATIONS WHICH STRIP THE LAND OF VEGETATION, INCLUDING REGRADING, SHALL BE DONE IN A WAY THAT WILL MINIMIZE EROSION. WHENEVER FEASIBLE, NATURAL VEGETATION SHALL BE RETAINED AND PROTECTED. AS GRADING IS DONE, INSTALL SILT TRAPS, SILT FENCES, SLOPE DRAINS, TEMPORARY DIVERSIONS AND OTHER RUNOFF CONTROL MEASURES AT APPROPRIATE LOCATIONS TO KEEP SEDIMENT CONTAINED ON SITE.
4. ALL DISTURBED AREAS SHALL BE SEEDED AND STRAW MULCHED AS SHOWN ON THE PLANS IMMEDIATELY AFTER COMPLETION OF GROUND ACTIVITY. FOR LARGE PROJECTS, THIS SEEDED SHOULD BE COMPLETED IN PHASES AS THE DIFFERENT AREAS OF THE SITE ARE COMPLETED.
5. PERMANENT AND FINAL VEGETATION OR STRUCTURAL EROSION CONTROL DEVICES SHALL BE INSTALLED AS SOON AS PRACTICAL UNDER THE CIRCUMSTANCES.
6. THE DURATION OF TIME WHICH AN AREA REMAINS EXPOSED SHALL BE KEPT TO A PRACTICAL MINIMUM DEPENDING UPON THE WEATHER. IF CONSTRUCTION ACTIVITY IS TO CEASE FOR MORE THAN TWO WEEKS, THE DISTURBED AREAS SHALL BE TEMPORARILY SEEDED.
7. ALL STORM SEWER INLET PROTECTION DEVICES SHALL BE PUT IN PLACE AT THE TIME EACH INLET IS CONSTRUCTED.
8. THE CONTRACTOR SHALL MAINTAIN EROSION CONTROL MEASURES AND DEVICES DURING CONSTRUCTION AND UNTIL SILTATION OF THE STREETS AND STORM SEWERS WILL NO LONGER OCCUR.
9. ONCE ONSITE EROSION AND SILTATION OF THE STREETS AND STORM SEWERS WILL NO LONGER OCCUR, THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE TEMPORARY EROSION CONTROL DEVICES.
10. THESE GENERAL PROCEDURES MAY NOT COVER ALL SITUATIONS. REFER TO EROSION CONTROL PLANS FOR SPECIFIC NOTES AND ADDITIONAL DETAILS.
11. EROSION CONTROL TO COMPLY WITH INDIANA 327 IAC AND RULE #5, AND INDIANA STORMWATER QUALITY HANDBOOK.
12. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED IN THE FIELD BY THE INSPECTOR.
13. PORTABLE TOILETS MUST BE ANCHORED TO PREVENT SPILLS.

PROPOSED LEGEND:

- | | |
|--|---------------------------------------|
| | PROPOSED GRAVEL CONSTRUCTION ENTRANCE |
| | PROPOSED EROSION CONTROL BLANKET |
| | PROPOSED RIPRAP |
| | TEMPORARY SEEDED AREAS |
| | PROPOSED LIMITS OF DISTURBANCE |
| | PROPOSED SILT FENCE |
| | PROPOSED DITCH |
| | MAJOR STORMWATER DISCHARGE POINT |
| | PROPOSED INLET PROTECTION |

REFERENCE

1. CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION. IT IS NOT THE ENGINEER'S INTENT THAT ANY SINGLE PLAN SHEET IN THE SET OF DOCUMENTS FULLY DEPICT ALL WORK ASSOCIATED WITH THE PROJECT.
2. REFER TO FRANKLIN STANDARDS FOR FURTHER SITE LAYOUT DETAILS AND SPECIFICATIONS.

SCALE IN FEET
0 20 40

PRELIMINARY
NOT FOR CONSTRUCTION



STORMWATER POLLUTION
PREVENTION PLAN

DRAWING NO.:

C902

SHEET 31 OF 34

DATE:	JUNE 7, 2019	DRAWN BY:	BEB
DWG SCALE:	1" = 20'	CHECKED BY:	ACH
PROJECT NO.:	180-416	APPROVED BY:	

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COMPASS PARK
INDIANA MASONIC HOME
690 STATE STREET
FRANKLIN, IN 46131

REVISION RECORD

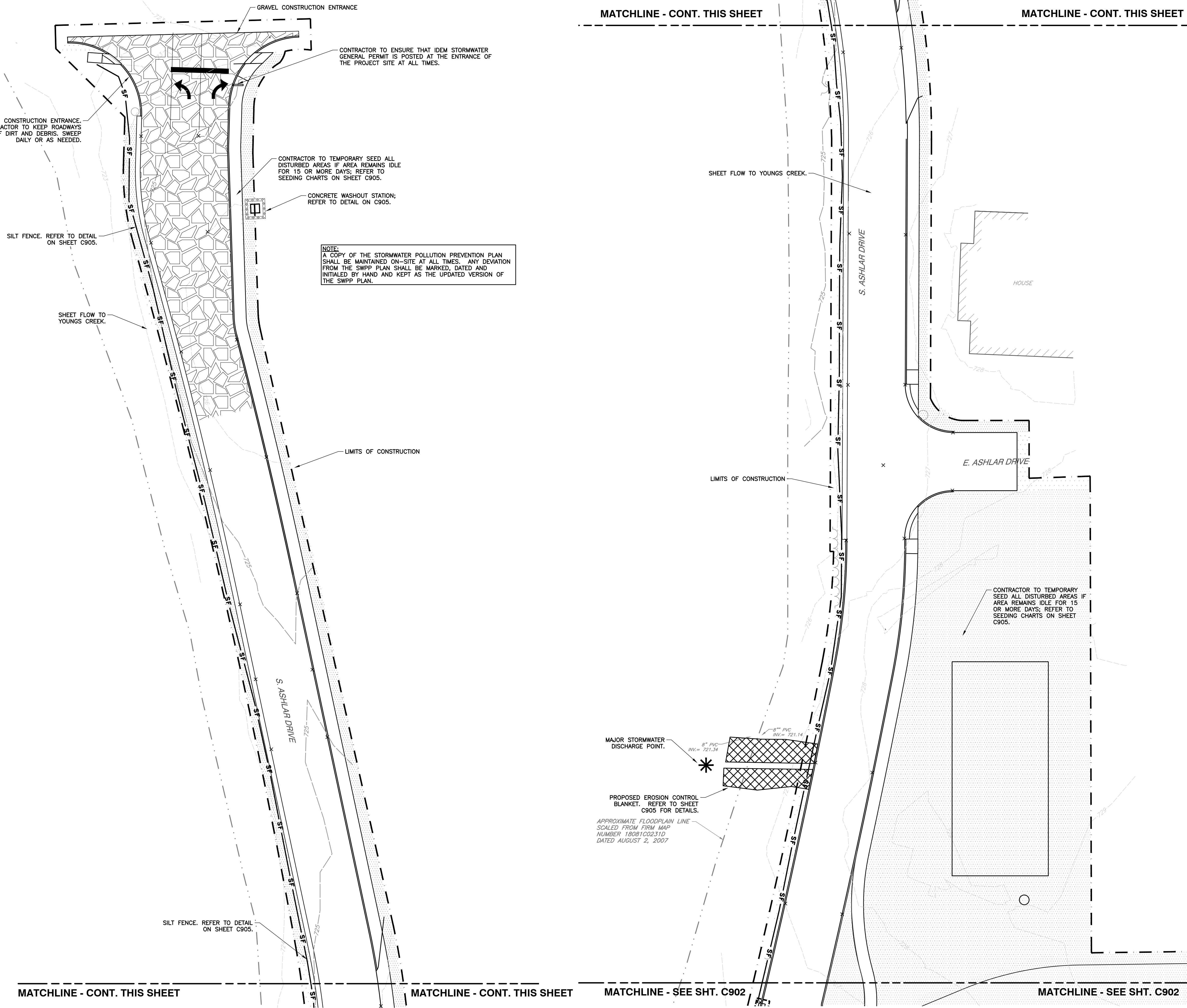
NO.	DATE	DESCRIPTION

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NORTH



GENERAL EROSION CONTROL NOTES:

1. CONTRACTOR SHALL INSTALL ALL REQUIRED SILT FENCES, SILT TRAPS, TREE PROTECTION AND INLET PROTECTION FOR EXISTING INLETS PRIOR TO THE START OF ANY EARTH MOVING OR STRIPPING.
2. CONTRACTOR SHALL INSTALL A STONE CONSTRUCTION ENTRANCE OR SOME OTHER DEVICE PRIOR TO THE START OF EARTHWORK AS NECESSARY TO PREVENT SOIL FROM BEING TRACKED OR WASHED INTO EXISTING ROADWAYS.
3. LAND ALTERATIONS WHICH STRIP THE LAND OF VEGETATION, INCLUDING REGRADING, SHALL BE DONE IN A WAY THAT WILL MINIMIZE EROSION. WHENEVER FEASIBLE, NATURAL VEGETATION SHALL BE RETAINED AND PROTECTED. AS GRADING IS DONE, INSTALL SILT TRAPS, SILT FENCES, SLOPE DRAINS, TEMPORARY DIVERSIONS AND OTHER RUNOFF CONTROL MEASURES AT APPROPRIATE LOCATIONS TO KEEP SEDIMENT CONTAINED ON SITE.
4. ALL DISTURBED AREAS SHALL BE SEEDED AND STRAW MULCHED AS SHOWN ON THE PLANS IMMEDIATELY AFTER COMPLETION OF GROUND ACTIVITY. FOR LARGE PROJECTS, THIS SEEDED SHOULD BE COMPLETED IN PHASES AS THE DIFFERENT AREAS OF THE SITE ARE COMPLETED.
5. PERMANENT AND FINAL VEGETATION OR STRUCTURAL EROSION CONTROL DEVICES SHALL BE INSTALLED AS SOON AS PRACTICAL UNDER THE CIRCUMSTANCES.
6. THE DURATION OF TIME WHICH AN AREA REMAINS EXPOSED SHALL BE KEPT TO A PRACTICAL MINIMUM DEPENDING UPON THE WEATHER. IF CONSTRUCTION ACTIVITY IS TO CEASE FOR MORE THAN TWO WEEKS, THE DISTURBED AREAS SHALL BE TEMPORARILY SEEDED.
7. ALL STORM SEWER INLET PROTECTION DEVICES SHALL BE PUT IN PLACE AT THE TIME EACH INLET IS CONSTRUCTED.
8. THE CONTRACTOR SHALL MAINTAIN EROSION CONTROL MEASURES AND DEVICES DURING CONSTRUCTION AND UNTIL SILTATION OF THE STREETS AND STORM SEWERS WILL NO LONGER OCCUR.
9. ONCE ONSITE EROSION AND SILTATION OF THE STREETS AND STORM SEWERS WILL NO LONGER OCCUR, THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE TEMPORARY EROSION CONTROL DEVICES.
10. THESE GENERAL PROCEDURES MAY NOT COVER ALL SITUATIONS. REFER TO EROSION CONTROL PLANS FOR SPECIFIC NOTES AND ADDITIONAL DETAILS.
11. EROSION CONTROL TO COMPLY WITH INDIANA 327 IAC AND RULE #5, AND INDIANA STORMWATER QUALITY HANDBOOK.
12. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED IN THE FIELD BY THE INSPECTOR.
13. PORTABLE TOILETS MUST BE ANCHORED TO PREVENT SPILLS.

PROPOSED LEGEND:

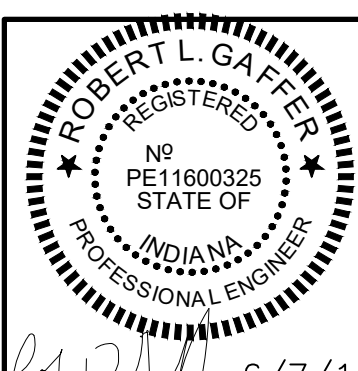
- PROPOSED GRAVEL CONSTRUCTION ENTRANCE
- PROPOSED EROSION CONTROL BLANKET
- PROPOSED RIPRAP
- TEMPORARY SEEDED AREAS
- PROPOSED LIMITS OF DISTURBANCE
- PROPOSED SILT FENCE
- PROPOSED DITCH
- MAJOR STORMWATER DISCHARGE POINT
- PROPOSED INLET PROTECTION

REFERENCE

1. CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION. IT IS NOT THE ENGINEER'S INTENT THAT ANY SINGLE PLAN SHEET IN THE SET OF DOCUMENTS FULLY DEPICT ALL WORK ASSOCIATED WITH THE PROJECT.
2. REFER TO FRANKLIN STANDARDS FOR FURTHER SITE LAYOUT DETAILS AND SPECIFICATIONS.

SCALE IN FEET
0 20 40

PRELIMINARY
NOT FOR CONSTRUCTION



REVISION RECORD	
NO.	DATE

Civil & Environmental Consultants, Inc.
530 E. Ohio Street - Suite G - Indianapolis, IN 46204
317-655-7777 - 877-746-0749
www.cedinc.com

**COMPASS PARK
INDIANA MASONIC HOME
690 STATE STREET
FRANKLIN, IN 46131**

**STORMWATER POLLUTION
PREVENTION PLAN**

DRAWING NO. **C903**
SHEET 32 OF 34

DATE: JUNE 7, 2019
DWN SCALE: 1" = 20'
PROJECT NO: 180-416
DRAWN BY: BEB
CHECKED BY: ACH
APPROVED BY: 180-416



- PROPOSED LEGEND:
- PROPOSED GRAVEL CONSTRUCTION ENTRANCE
 - PROPOSED EROSION CONTROL BLANKET
 - PROPOSED RIPRAP
 - TEMPORARY SEEDING AREAS
 - PROPOSED LIMITS OF DISTURBANCE
 - PROPOSED SILT FENCE
 - PROPOSED DITCH
 - MAJOR STORMWATER DISCHARGE POINT
 - PROPOSED INLET PROTECTION

- GENERAL EROSION CONTROL NOTES:
- CONTRACTOR SHALL INSTALL ALL REQUIRED SILT FENCES, SILT TRAPS, TREE PROTECTION AND INLET PROTECTION FOR EXISTING INLETS PRIOR TO THE START OF ANY EARTH MOVING OR STRIPPING.
 - CONTRACTOR SHALL INSTALL A STONE CONSTRUCTION ENTRANCE OR SOME OTHER DEVICE PRIOR TO THE START OF EARTHWORK AS NECESSARY TO PREVENT SOIL FROM BEING TRACKED OR WASHED INTO EXISTING ROADWAYS.
 - LAND ALTERATIONS WHICH STRIP THE LAND OF VEGETATION, INCLUDING REGRADING, SHALL BE DONE IN A WAY THAT WILL MINIMIZE EROSION. WHENEVER FEASIBLE, NATURAL VEGETATION SHALL BE RETAINED AND PROTECTED. AS GRADING IS DONE, INSTALL SILT TRAPS, SILT FENCES, SLOPE DRAINS, TEMPORARY DIVERSIONS AND OTHER RUNOFF CONTROL MEASURES AT APPROPRIATE LOCATIONS TO KEEP SEDIMENT CONTAINED ON SITE.
 - ALL DISTURBED AREAS SHALL BE SEEDED AND STRAW MULCHED AS SHOWN ON THE PLANS IMMEDIATELY AFTER COMPLETION OF GROUND ACTIVITY. FOR LARGE PROJECTS, THIS SEEDING SHOULD BE COMPLETED IN PHASES AS THE DIFFERENT AREAS OF THE SITE ARE COMPLETED.
 - PERMANENT AND FINAL VEGETATION OR STRUCTURAL EROSION CONTROL DEVICES SHALL BE INSTALLED AS SOON AS PRACTICAL UNDER THE CIRCUMSTANCES.
 - THE DURATION OF TIME WHICH AN AREA REMAINS EXPOSED SHALL BE KEPT TO A PRACTICAL MINIMUM DEPENDING UPON THE WEATHER. IF CONSTRUCTION ACTIVITY IS TO CEASE FOR MORE THAN TWO WEEKS, THE DISTURBED AREAS SHALL BE TEMPORARILY SEEDED.
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 - THE CONTRACTOR SHALL MAINTAIN EROSION CONTROL MEASURES AND DEVICES DURING CONSTRUCTION AND UNTIL SILTATION OF THE STREETS AND STORM SEWERS WILL NO LONGER OCCUR.
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 - THESE GENERAL PROCEDURES MAY NOT COVER ALL SITUATIONS. REFER TO EROSION CONTROL PLANS FOR SPECIFIC NOTES AND ADDITIONAL DETAILS.
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 - PORTABLE TOILETS MUST BE ANCHORED TO PREVENT SPILLS.

(A18) SOIL MAP

SOIL MAPS FROM THE UNITED STATES DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE.



- SOIL LEGEND
- Br - Brookston silty clay loam, 0 to 2 percent slopes
 - CrA - Crosby silt loam, fine-loamy subsoil, 0 to 2 percent slopes
 - Ge - Genesee loam
 - HeF - Hennepin loam, 25 to 50 percent slopes
 - ObaA - Ockley loam, 0 to 2 percent slopes
 - OcB2 - Ockley loam, 2 to 6 percent slopes, eroded
 - Sh - Shoals silt loam

- REFERENCE
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 - REFER TO FRANKLIN STANDARDS FOR FURTHER SITE LAYOUT DETAILS AND SPECIFICATIONS.

SCALE IN FEET
0 80 160

PRELIMINARY
NOT FOR CONSTRUCTION



6/7/18

REVISION RECORD	
NO	DATE

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COMPASS PARK
INDIANA MASONIC HOME
690 STATE STREET
FRANKLIN, IN 46131

STORMWATER POLLUTION
PREVENTION PLAN

DRAWING NO. **C900**
SHEET 29 OF 34

A:\2018\1804-4161-C900\Draw\022 Construction Plans\180416-C902-C900.mxd(02/04/15 16:07:17) - Lp: 6/7/2018 8:10 AM

ASSESSMENT OF CONSTRUCTION PLAN ELEMENTS (SECTION A)

(A1) PLAN INDEX

THE PROPOSED EROSION CONTROL MEASURES CAN BE FOUND ON SHEETS C900–C903. THE CORRESPONDING EROSION CONTROL DETAILS ARE SHOWN ON SHEET C905. THE REQUIRED EROSION CONTROL CHECKLIST ITEMS ARE LISTED ON THIS SHEET.

(A2) PLAN/PLAT SHOWING BOUNDARIES AND LOT NAMES

PLEASE REFER TO SHEET C100 INCLUDED WITH THE SUBMITTAL.

(A3) PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF ROAD IMPROVEMENTS AND EXTENSION AS WELL AS UTILITY IMPROVEMENTS. LOCATED AT 690 STATE STREET, FRANKLIN TOWNSHIP, JOHNSON COUNTY, INDIANA.

ESTIMATED START DATE: JULY 2018
ESTIMATED COMPLETION DATE: JULY 2019

(A4) VICINITY MAP

THE VICINITY MAP SHOWING THE PROJECT LOCATION CAN BE SEEN ON COVER SHEET.

(A5) LEGAL DESCRIPTION

A LEGAL DESCRIPTION IS SHOWN ON SHEET C100.

TOWNSHIP: SECTION 23
LONGITUDE: 39 N 28° 22'
LATITUDE: 86 W 2° 50'

(A6) LOT LOCATION AND SITE IMPROVEMENTS

THE PROJECT BOUNDARIES CAN BE SEEN ON SHEETS C300 AND C900–C903.

(A7) HYDROLOGIC UNIT CODE

05120204090060

(A8) REQUIRED STATE OR FEDERAL WATER QUALITY PERMITS

AN IDEM RULE 5 NOTICE OF INTENT (NOI) PERMIT WILL BE REQUIRED FOR THIS PROJECT.

(A9) STORMWATER DISCHARGE POINTS

DISCHARGES INTO PROPOSED STORM SEWER SYSTEM THEN INTO EXISTING YOUNGS CREEK WEST OF SOUTH ASHLAR DRIVE. SHEET FLOW TO YOUNGS CREEK ALONG NORTH HALF OF SOUTH ASHLAR DRIVE.

(A10) SITE WETLANDS, LAKES AND WATER COURSES

THERE ARE NO WETLANDS ON OR ADJACENT TO THE IMMEDIATE PROJECT BOUNDARY.

(A11) RECEIVING WATERS

DISCHARGES INTO PROPOSED STORM SEWER SYSTEM THEN INTO EXISTING YOUNGS CREEK WEST OF SOUTH ASHLAR DRIVE. SHEET FLOW TO YOUNGS CREEK ALONG NORTH HALF OF SOUTH ASHLAR DRIVE.

(A12) POTENTIAL DISCHARGES TO GROUNDWATER

THERE ARE NO SINKHOLES OR UNCAPPED ABANDONED WELLS LOCATED ON THE PROJECT SITE OR DOWNSTREAM OF THE PROJECT SITE.

(A13) 100 YEAR FLOODPLAIN, FLOODWAYS AND FRINGES

THE PROJECT DOES NOT LIE WITHIN A 100 YEAR FLOODPLAIN AND/ OR THE FLOODWAY AREA.

(A14) ESTIMATED PEAK DISCHARGE

THE APPLICABLE STORM WATER RUNOFF RATES ARE LISTED BELOW.

	PRE-DEVELOPED	POST-DEVELOPED
10-YEAR	7.14 CFS	3.79 CFS
100-YEAR	11.17 CFS	7.01 CFS

(A15) ADJACENT LANDUSE

THE EXISTING LAND USES ADJACENT TO THE SITE ARE AS FOLLOWS:

NORTH: INSTITUTIONAL
WEST: RESIDENTIAL
SOUTH: RESIDENTIAL
EAST: INSTITUTIONAL, MIXED USE

(A16) CONSTRUCTION LIMITS

THE OVERALL DISTURBED AREA IS APPROXIMATELY ±4.37 ACRES. REFER TO SHEET C900.

(A17) EXISTING VEGETATIVE COVER

THE EXISTING SITE IS CURRENTLY COVERED BY GRAVEL, TURF, TALL GRASS, AND WEEDS.

(A18) SOIL MAP

REFER TO SHEET C900.

(A19) LOCATION OF PROPOSED STORMWATER SYSTEMS

REFER TO SITE DEVELOPMENT PLAN SHEET C300.

(A20) OFF-SITE CONSTRUCTION PLAN

THERE IS NO OFF-SITE CONSTRUCTION PLANNED FOR THIS PROJECT.

(A21) SOIL STOCKPILE, BORROW AND/OR DISPOSAL

NO PERMANENT SOIL STOCKPILES ARE PLANNED FOR THIS DEVELOPMENT. IF TEMPORARY STOCKPILE OR BORROW AREAS ARE REQUIRED, THEY SHALL BE LOCATED OUTSIDE THE PERIMETER OF THE STOCKPILE AREA SHALL BE ENCOMPASSED WITH SILT FENCE.

(A22 & A23) EXISTING & FINAL SITE TOPOGRAPHY

REFER TO EXISTING TOPOGRAPHY SHEET C100 AND SITE DEVELOPMENT PLAN SHEET C300.

ASSESSMENT OF STORMWATER POLLUTION PREVENTION PLAN CONSTRUCTION COMPONENT (SECTION B)

(B1) POTENTIAL CONSTRUCTION POLLUTANTS

POTENTIAL POLLUTANTS SOURCES RELATIVE TO A CONSTRUCTION SITE MAY INCLUDE, BUT ARE NOT LIMITED TO MATERIALS AND FUEL STORAGE AREAS; FUELING LOCATIONS; EXPOSED SOILS AND LEAKING VEHICLE/EQUIPMENT. POTENTIAL POLLUTANTS THAT MAY APPEAR AT THE SITE DUE TO CONSTRUCTION ACTIVITIES INCLUDE, BUT ARE NOT LIMITED TO DIESEL FUEL, GASOLINE, CONCRETE AND CONCRETE WASHOUT, SOLID WASTE, SEDIMENT, PAINT AND SOLVENTS, EQUIPMENT REPAIR PRODUCTS, ANTI-FREEZE AND FERTILIZER.

(B2) STORMWATER QUALITY SEQUENCE

PRE-CONSTRUCTION ACTIVITIES:

- SCHEDULE A PRE-CONSTRUCTION MEETING WITH CITY OF FRANKLIN AND JOHNSON COUNTY SOIL & WATER.
- DESIGNATE A PERSON TO BE RESPONSIBLE FOR THE SITE INSPECTIONS AFTER EACH 1/2" RAIN AND A MINIMUM OF ONCE EACH WEEK.
- CALL THE INDIANA UNDERGROUND PLANT PROTECTION SYSTEMS, INC. (HOLEY MOLEY) AT 1-800-382-5547 TO CHECK LOCATIONS OF ANY EXISTING UTILITIES-- MIN. 2 DAYS PRIOR BEFORE CONSTRUCTION ACTIVITY.
- ESTABLISH ONSITE LOCATION FOR OWNER/OPERATOR/CONTRACTOR PLACEMENT OF APPROVED PLANS AND RULE 5 NOI AND RULE 5 INSPECTION DOCUMENTATION.
- INSTALL SILT FENCE AND OTHER EROSION CONTROL MEASURES AS INDICATED ON DRAWINGS.
- INSTALL GRAVEL CONSTRUCTION ENTRANCE AS INDICATED ON DRAWINGS-- ADD ADDITIONAL STONE AS NEEDED.
- ESTABLISH CONSTRUCTION STAGING AREA FOR EQUIPMENT AND VEHICLES.

CONSTRUCTION ACTIVITY PHASING:

- AFTER EROSION AND SEDIMENT CONTROL MEASURES ARE IN PLACE, BEGIN LAND CLEARING FOLLOWED IMMEDIATELY BY ROUGH GRADING. DO NOT LEAVE LARGE AREAS UNPROTECTED FOR MORE THAN 15 DAYS.
- CONSTRUCT CONCRETE WASH STATION BEFORE CONCRETE WORK IS TO COMMENCE ON SITE. REFER TO PLAN FOR LOCATION.
- INSTALL SEWERS, ALL UTILITIES AND UNDERDRAINS. ADD INLET PROTECTION MEASURES AS INDICATED ON PLANS.
- AFTER COMPLETION OF MASS GRADING AND FINAL GRADING: SEED ALL DISTURBED AREAS, COMMON AREAS AND SWALES IMMEDIATELY AFTER GRADING IS COMPLETED.
- PLACE TOPSOIL IN ALL TURF AND LANDSCAPE AREAS.
- INSTALL PAVEMENT AND FINAL GRADE AREA.
- INSTALL LANDSCAPING AND FINAL SEEDING.
- REMOVE ALL SEDIMENT CONTROL PRACTICES ONCE THE SITE IS STABILIZED.
- NOTE: INSTALL TEMPORARY SEEDING AFTER A SPECIFIC STAGE OF CONSTRUCTION HAS BEEN COMPLETED (TEMPORARY OR FINAL) WHERE AREAS WILL BE IDLE OF CONSTRUCTION ACTIVITIES FOR A PERIOD OF 15 DAYS OR MORE.

(B3) CONSTRUCTION ENTRANCE INFORMATION

THE LOCATION OF THE CONSTRUCTION ENTRANCE IS ON SHEET C900.

(B4) SHEET FLOW SEDIMENT CONTROL

SILT FENCE, TEMPORARY SEEDING AND EROSION CONTROL INLET PROTECTION WILL BE USED AS EROSION CONTROL MEASURES FOR SHEET FLOWS. THE LOCATION, DETAILS, AND SPECIFICATIONS FOR EACH STATED SEDIMENT CONTROL MEASURE IS ON SHEETS C900–C903, AS WELL AS SHEETS 16–18 OF THE FRANKLIN STANDARDS.

(B5) CONCENTRATED FLOW SEDIMENT CONTROL

EROSION CONTROL BLANKET, RIP RAP APRONS AND ROCK CHECK DAMS WILL BE USED AS EROSION CONTROL MEASURES FOR CONCENTRATED FLOWS. THE LOCATION, DETAILS, AND SPECIFICATIONS FOR EACH STATED CONCENTRATED FLOW MEASURE IS ON SHEETS C900–C903 & C905, AS WELL AS SHEETS 16–18 OF THE FRANKLIN STANDARDS.

(B6) INLET PROTECTION LOCATIONS AND SPECS

INLET PROTECTION WILL BE PLACED AT ALL INLETS. THE LOCATION, DETAILS, AND SPECIFICATIONS FOR INLET PROTECTION MEASURES ARE ON SHEETS C900–C903 & C905, AS WELL AS SHEETS 16–18 OF THE FRANKLIN STANDARDS.

(B7) RUNOFF CONTROL MEASURES

SILT FENCE, TEMPORARY SEEDING AND EROSION CONTROL INLET PROTECTION WILL BE USED TO CONTROL RUN OFF. THE LOCATION, DETAILS, AND SPECIFICATIONS FOR EACH STATED SEDIMENT CONTROL MEASURE IS ON SHEETS C900–C903 & C905, AS WELL AS SHEETS 16–18 OF THE FRANKLIN STANDARDS.

IF THE POND IS USED AS A SEDIMENT BASIN DURING CONSTRUCTION, THE CONTRACTOR SHALL ADEQUATELY STABILIZE THE OUTLET, REMOVE EXCESS SEDIMENT DURING CONSTRUCTION, RESTORE THE POND TO THE DESIGNED ELEVATIONS PRIOR TO FINAL SEEDING.

(B8) OUTLET PROTECTION SPECIFICATIONS

REFER TO PLANS FOR THE LOCATION, DETAILS, AND SPECIFICATIONS FOR OUTLET PROTECTION-- SHEETS C900–C903 & C905, AS WELL AS SHEETS 16–18 OF THE FRANKLIN STANDARDS.

(B9) GRADE STABILIZATION MEASURES

EROSION CONTROL BLANKETS WILL BE USED IN THIS PHASE ON GRADES GREATER THAN 6:1 AND/ OR EXPOSED TO CONCENTRATED FLOW. REFER TO CONSTRUCTION PLANS FOR LOCATIONS.

IF LIMB STABILIZATION MEASURES ARE NEEDED DURING CONSTRUCTION TO OBTAIN COMPACTON, THE CONTRACTOR SHALL CONTAIN LIMB FROM ENTERING EXISTING STORM SEWER SYSTEM BY ADEQUATELY CONTROLLING RUNOFF. CONTACT ENGINEER FOR SPECIFIC PLANS BASED ON THE AREA OF WORK.

(B10) STORMWATER QUALITY DETAILS

REFER TO CONSTRUCTION PLANS FOR LOCATION, DIMENSIONS, SPECIFICATIONS AND CONSTRUCTION DETAILS FOR EACH STORMWATER QUALITY MEASURES.

(B11) TEMPORARY SURFACE STABILIZATION

TEMPORARY SEEDING AND EROSION CONTROL MATTING WILL BE USED AS TEMPORARY SURFACE STABILIZATION MEASURES. DUE TO THE ACCELERATED CONSTRUCTION TIMELINE OF THIS PROJECT, TEMPORARY SEEDING SHOULD NOT BE NECESSARY. REFER TO SHEETS C900–C903 FOR SEEDING AREAS. CONTRACTOR TO SEED ALL DISTURBED AREAS. REFER TO SEEDING TABLES ON SHEET 18 OF THE FRANKLIN STANDARDS.

- SELECT APPROPRIATE SEED MIXTURE AND APPLICATION RATE FROM TABLE ON SHEET 18 OF THE LEBANON STANDARDS. APPLY SEED UNIFORMLY.
- INSPECT 24 HOURS AFTER EACH RAIN EVENT AND OR AT LEAST ONCE EVERY SEVEN CALENDAR DAYS.
- USE PHOSPHOROUS FREE FERTILIZER (12–0–12) UNLESS SOIL TESTING SHOWS A NEED.

(B12) PERMANENT SURFACE STABILIZATION

PERMANENT SEEDING WILL BE USED AS PERMANENT SURFACE STABILIZATION MEASURES. REFER TO SHEETS C900–C903 FOR SEEDING AREAS. CONTRACTOR TO SEED ALL DISTURBED AREAS. REFER TO SEEDING TABLES ON SHEET 18 OF THE FRANKLIN STANDARDS.

- SELECT APPROPRIATE SEED MIXTURE AND APPLICATION RATE FROM TABLE ON SHEET 18 OF THE LEBANON STANDARDS. APPLY SEED UNIFORMLY.
- INSPECT 24 HOURS AFTER EACH RAIN EVENT AND OR AT LEAST ONCE EVERY SEVEN CALENDAR DAYS.
- USE PHOSPHOROUS FREE FERTILIZER (12–0–12) UNLESS SOIL TESTING SHOWS A NEED.

(B13) MATERIAL HANDLING AND SPILL PREVENTION

Expected materials that may appear at the site due to construction activities include, but are not limited to petroleum products, fertilizers, paint and solvents, and concrete. Materials shall be stored in the designated material storage area.

Spill prevention for vehicle and equipment fueling shall conform to the following practices: vehicle equipment fueling procedures and practices are designed to prevent fuel spills and leaks, and reduce or eliminate contamination of stormwater. This can be accomplished by using offsite facilities, fueling in designated areas only, enclosing or covering stored fuel, implementing spill controls, and training employees and subcontractors in proper fueling procedures. Limitations: Onsite vehicle and equipment fueling should only be used where it is impractical to send vehicles and equipment offsite for fueling. Sending vehicles and equipment offsite should be done in conjunction with a Stabilized Construction Entrance/Exit. Implementation: Use offsite fueling stations as much as possible. Discourage "topping-off" of fuel tanks. Absorbent spill cleanup materials and spill kits should be available in fueling areas and on fueling trucks, and should be disposed of properly after use. Drip pans or absorbent pads should be used during fueling to absorb spills, unless the fueling is performed over an impermeable surface in a dedicated fueling area. Use absorbent materials on small spills. Do not hose down or bury the spill. Remove the absorbent materials promptly and dispose of properly. Avoid mobile fueling of mobile construction equipment around the site; rather, transport the equipment to designated fueling areas. Train employees and subcontractors in proper fueling and cleanup procedures. Dedicated fueling areas should be protected from stormwater runoff and should be located at least 50 ft away from downstream drainage facilities and watercourses. Fueling must be performed on level-grade area. Protect fueling areas with berms and dikes to prevent runoff, and to contain spills. Nozzles used in vehicle and equipment fueling should be equipped with an automatic shutoff to control drips. Fueling operations should not be left unattended. Federal, state, and local requirements should be observed for any stationary above ground storage tanks.

Vehicles and equipment should be inspected each day of use for leaks. Leaks should be repaired immediately or problem vehicles or equipment should be removed from the project site. Keep ample supplies of spill cleanup materials onsite. Immediately clean up spills and properly dispose of contaminated soils.

Spill prevention for solid waste shall conform to the following practices: Solid waste management procedures and practices are designed to prevent or reduce the discharge of pollutants to stormwater from solid or construction waste by providing designated waste collection areas and containers, arranging for regular disposal, and training employees and subcontractors. Solid waste generated from trees and shrubs removed during land clearing, demolition of existing structures, and building construction. Packaging materials including wood, paper, and plastic. Scrap or surplus building materials including scrap metal, plastic, glass pieces and masonry products. Domestic wastes including food containers such as beverage cans, coffee cups, paper bags, plastic wrappers, and cigarettes. Construction wastes including brick, mortar, timber, steel and metal scraps, pipe and electrical cuttings, non-hazardous equipment parts, Styrofoam and other package construction materials. Select designated areas for solid waste management. Do not allow any waste to be placed on site except only water tight dumpsters for onsite use. Inspect dumpsters for leaks and repair any dumpster that is not watertight. Provide an adequate number of containers with lids or covers that can be placed over the container to keep rain out or to prevent loss of wastes when it is windy. Plan for additional containers and more frequent pickup during the demolition phase of construction. Collect site trash daily, especially during rainy and windy conditions. Remove this solid waste promptly since erosion and sediment control devices tend to collect litter. Make sure that toxic liquid wastes (used oils, solvents and paints) and chemicals (acids, pesticides, additives, curing compounds) are not disposed of in dumpsters designed for construction debris. Do not hose out dumpsters on the construction site. Leave dumpster cleaning to the trash hauling contractor. Arrange for regular waste collection before containers overflow. Clean up immediately if a container does spill. Make sure that construction waste is collected, removed, and disposed of only at authorized disposal areas. Solid waste storage areas should be located at least 50 ft from drainage facilities and watercourses and should not be located in areas prone to flooding or ponding. Inspect construction waste area regularly. Arrange for regular waste collection.

Spill prevention for concrete washout shall conform to the following practices: Store dry and wet materials under cover, away from drainage areas. Avoid mixing excess amounts of fresh concrete. Perform washout of concrete trucks offsite or in designated areas only. Do not wash out concrete trucks into storm drains, open ditches, streets, or streams. Do not allow excess concrete to be dumped onsite, except in designated areas. Locate washout areas at least 50 ft from storm drains, open ditches, or water bodies. Do not allow runoff from this area by constructing a temporary pit or bermmed area large enough for liquid and solid waste. Wash out wastes into the temporary pit where the concrete can set, be broken up, and then disposed properly. Avoid creating runoff by draining water to a bermmed or level area when washing concrete to remove fine particles and sediment from the aggregate. Do not wash sweepings from exposed aggregate concrete into the street or storm drain. Collect and return sweepings to aggregate base stockpile or dispose in the trash.

The cleanup parameters shall conform to the following practices: The developer shall be continually kept informed, maintain lists of qualified contractors and available Vac-trucks, tank pumpers and other equipment readily accessible for cleanup operations. In addition, a continually updated list of available absorbent materials and cleanup supplies should be kept on site. All maintenance personnel will be made aware of techniques for prevention of spills. They will be informed of the requirements and procedures outlined in this plan. They will be kept abreast of current developments or new information on the prevention of spills and equipment maintenance. The developer shall be aware that spills could endanger human life and this become primary concern, the discharge of the life saving protection function will be carried out by the local police and fire departments. Absorbent materials, which are used in cleaning up spilled material, will be disposed of in a manner subject to the approval of the Indiana Department of Environmental Management. Flushing of spilled material with water will not be permitted unless so authorized by the Indiana Department of Environmental Management.

Spill prevention for vehicle and equipment maintenance shall conform to the following practices: Prevent or reduce the contamination of stormwater resulting from vehicle and equipment maintenance by running a "dry and clean site". The best option would be to perform maintenance activities at an offsite facility. If this option is not available, then work should be performed in designated areas only, while providing cover for materials stored outside, checking for leaks and spills, and containing and cleaning up spills immediately. These procedures are suitable on all construction projects where an onsite yard area is necessary for storage and maintenance of heavy equipment and vehicles. Onsite vehicle and equipment maintenance should be performed in designated areas. Do not allow any waste to be placed on site except only water tight dumpsters for onsite use. Inspect dumpsters for leaks and repair any dumpster that is not watertight. Provide an adequate number of containers with lids or covers that can be placed over the container to keep rain out or to prevent loss of wastes when it is windy. Plan for additional containers and more frequent pickup during the demolition phase of construction. Collect site trash daily, especially during rainy and windy conditions. Remove this solid waste promptly since erosion and sediment control devices tend to collect litter. Make sure that toxic liquid wastes (used oils, solvents and paints) and chemicals (acids, pesticides, additives, curing compounds) are not disposed of in dumpsters designed for construction debris. Do not hose out dumpsters on the construction site. Leave dumpster cleaning to the trash hauling contractor. Arrange for regular waste collection before containers overflow. Clean up immediately if a container does spill. Make sure that construction waste is collected, removed, and disposed of only at authorized disposal areas. Solid waste storage areas should be located at least 50 ft from drainage facilities and watercourses and should not be located in areas prone to flooding or ponding. Inspect construction waste area regularly. Arrange for regular waste collection.

Spill prevention for vehicle and equipment maintenance shall conform to the following practices: Prevent or reduce the contamination of stormwater resulting from vehicle and equipment maintenance by running a "dry and clean site". The best option would be to perform maintenance activities at an offsite facility. If this option is not available, then work should be performed in designated areas only, while providing cover for materials stored outside, checking for leaks and spills, and containing and cleaning up spills immediately. These procedures are suitable on all construction projects where an onsite yard area is necessary for storage and maintenance of heavy equipment and vehicles. Onsite vehicle and equipment maintenance should be performed in designated areas. Do not allow any waste to be placed on site except only water tight dumpsters for onsite use. Inspect dumpsters for leaks and repair any dumpster that is not watertight. Provide an adequate number of containers with lids or covers that can be placed over the container to keep rain out or to prevent loss of wastes when it is windy. Plan for additional containers and more frequent pickup during the demolition phase of construction. Collect site trash daily, especially during rainy and windy conditions. Remove this solid waste promptly since erosion and sediment control devices tend to collect litter. Make sure that toxic liquid wastes (used oils, solvents and paints) and chemicals (acids, pesticides, additives, curing compounds) are not disposed of in dumpsters designed for construction debris. Do not hose out dumpsters on the construction site. Leave dumpster cleaning to the trash hauling contractor. Arrange for regular waste collection before containers overflow. Clean up immediately if a container does spill. Make sure that construction waste is collected, removed, and disposed of only at authorized disposal areas. Solid waste storage areas should be located at least 50 ft from drainage facilities and watercourses and should not be located in areas prone to flooding or ponding. Inspect construction waste area regularly. Arrange for regular waste collection.

Spill prevention for fertilizers shall conform to the following practices: Fertilizer's used will be applied only in the minimum amounts recommended by the manufacturer. Once applied, fertilizer will be worked into the soil to limit exposure to storm water. The contents of any partially used bags of fertilizer will be transferred to a sealable plastic bin to avoid spills.

Spill prevention for paint and solvents shall conform to the following practices: All containers will be tightly sealed and stored when not required for use. EXCESS PAINT WILL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURERS' INSTRUCTIONS OR State or local regulations.

Spill prevention for portable toilets shall conform to the following practice: All portable toilets must be anchored to prevent spills.

Spill prevention and cleanup shall conform to IDEM form 327 IAC 2-6 and the Franklin Fire Department shall be contacted in the case of a material spill occurring.

Franklin Fire Department: (317) 736-3650
Franklin Police Department: (317) 736-3670
Johnson County Soil & Water Conservation: (317) 736-9344
IDEM Emergency Spill Reporting: (317) 233-7745 or (888) 233-7745

(B14) MONITORING AND MAINTENANCE GUIDELINES

EROSION CONTROL MEASURE	* MAINTENANCE	INSTALLATION SEQUENCE
STONE ENTRANCE	AS NEEDED	PRIOR TO CLEARING AND GRADING
SILT FENCE	WEEKLY AFTER STORM EVENTS AND AS NEEDED	PRIOR TO CLEARING AND GRADING
ROCK CHECK DAMS	WEEKLY AFTER STORM EVENTS AND AS NEEDED	ALONG WITH ROUGH GRADING
PERMANENT SEEDING	WATER AS NEEDED	AFTER FINISH GRADING
EROSION CONTROL BLANKET	WEEKLY AFTER STORM EVENTS AND AS NEEDED	AFTER FINISH GRADING
SEED, SOIL & LANDSCAPE AROUND	WATER AS NEEDED	AFTER FINISH GRADING
DUST CONTROL	AS NEEDED	ALONG WITH ALL EARTHWORK ACTIVITIES
CONCRETE WASHOUT	WEEKLY AFTER STORM EVENTS AND AS NEEDED	PRIOR TO START OF ANY CONCRETE WORK
REMOVAL OF INLET PROTECTION	N/A	AFTER ALL AREAS DRAINING TO THESE AREAS ARE STABILIZED
REMOVAL OF SILT FENCE	N/A	AFTER ALL AREAS DRAINING TO THESE AREAS ARE STABILIZED
REMOVAL OF ROCK CHECK DAMS	N/A	AFTER ALL AREAS DRAINING TO THESE AREAS ARE STABILIZED

* – SEE CHART FOR MAINTENANCE REQUIREMENTS

EROSION CONTROL MEASURES MAINTENANCE REQUIREMENTS

SILT FENCE MAINTENANCE REQUIREMENTS:

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

- INSPECT ENTRANCE PAD AND SEDIMENT DISPOSAL AREA WEEKLY AND AFTER STORM EVENTS OR HEAVY USE.
- RESHAPE PAD AS NEEDED FOR DRAINAGE AND RUNOFF CONTROL.
- TOPDRESS 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 TRAP OR BASIN.

EROSION CONTROL BLANKET MAINTENANCE REQUIREMENTS:

- INSPECT EACH EROSION CONTROL BLANKET AREAS WEEKLY AND AFTER STORM EVENTS OR HEAVY USE.
- CHECK FOR DISPLACEMENT OF BLANKET.
- AREAS DISPLACED, PULL BACK PORTION OF BLANKET COVERING THE ERODED AREA, ADD SOIL AND TAMP, RESEED THE AREA. REPLACE AND STAPLE BLANKET.

CONCRETE WASHOUT MAINTENANCE REQUIREMENTS:

- INSPECT EACH CONCRETE WASHOUT AREAS DAILY AND AFTER STORM EVENTS OR HEAVY USE.
- INSPECT THE INTEGRITY OF THE OVERALL STRUCTURE. CHECK FOR LEAKS, SPILLS OR TRACKING OF SOIL BY EQUIPMENT.
- REMOVE EXCESS CONCRETE WHEN WASHOUT SYSTEMS REACHES 50% OF THE DESIGN CAPACITY. UPON REMOVAL, INSPECT STRUCTURE. REPAIR AS NEEDED.
- DISPOSE OF ALL CONCRETE IN A LEGAL MANNER.
- REPLACE PLASTIC LINER AFTER EVERY CLEANING. ENLARGE AS NECESSARY TO MAINTAIN CAPACITY.

EROSION CONTROL MEASURES MAINTENANCE REQUIREMENTS (cont.)

INLET PROTECTION MAINTENANCE REQUIREMENTS:

- INSPECT EACH INLET PROTECTION MEASURE WEEKLY AND AFTER STORM EVENTS OR HEAVY USE.
- INSPECT STORM INLET BASKET OR GEOTEXTILE FABRIC AND MAKE REPAIRS.
- REMOVE ANY SEDIMENT. AVOID DAMAGING OR UNDERCUTTING FABRIC.

(B15) EROSION CONTROL SPECIFICATIONS FOR INDIVIDUAL LOTS

NO ADDITIONAL EROSION CONTROL SPECIFICATIONS ARE NEEDED FOR THIS PHASE.

ASSESSMENT OF STORMWATER POLLUTION PREVENTION PLAN COMPONENT (SECTION C)

(C1) POTENTIAL LANDUSE POLLUTANTS

POTENTIAL POLLUTANT SOURCES THAT MAY APPEAR AT THE SITE DUE TO PROPOSED LAND USE ACTIVITIES, BUT ARE NOT LIMITED TO VEHICLES, EXPOSED SOIL AND TRASH. POTENTIAL POLLUTANTS INCLUDE, BUT ARE NOT LIMITED TO OIL, GREASE, DIESEL FUEL, GASOLINE, ANTI-FREEZE, AUTO SOAP AND FERTILIZER.

(C2) STORMWATER QUALITY IMPLEMENTATION

THE STORMWATER QUALITY MEASURE IMPLEMENTATION SHALL BE BEGIN AFTER SUBSTANTIAL COMPLETION OF THE CONSTRUCTION ACTIVITIES FOR THE PROPOSED PROJECT. ADDITIONAL STORMWATER QUALITY MEASURES WILL BE IMPLEMENTED AT THE DEVELOPMENT OF SUBSEQUENT CONSTRUCTION PHASES. FOLLOWING CONSTRUCTION, ALL EROSION CONTROL MEASURES SHALL BE INSPECTED AND MAINTAINED UNTIL ALL PERMANENT MEASURES, WATER QUALITY PLANTINGS AND VEGETATION HAS BEEN ESTABLISHED AND CONSTRUCTION, INCLUDING LANDSCAPING, IS COMPLETE.

INDIVIDUAL EROSION CONTROL MEASURES MAY BE REMOVED FROM INLET PROTECTION STATUS FOLLOWING SEEDING AND AFTER SUFFICIENT VEGETATION HAS BEEN ESTABLISHED IN AN AREA TO PREVENT SILT AND SOIL EROSION INTO THE STORM SEWER SYSTEM.

INSPECTION AND MAINTENANCE OF ALL COMMON AREAS, LANDSCAPE AREAS AND INFRASTRUCTURE IMPROVEMENTS, MECHANICAL BMP UNIT, AND DETENTION POND ARE THE RESPONSIBILITY OF THE DEVELOPER/OWNER AND OR LOCAL AGENCIES TAKING JURISDICTION OVER THE INFRASTRUCTURE IMPROVEMENTS.

(C3) POST CONSTRUCTION STORMWATER QUALITY DESCRIPTION MEASURES:

POST CONSTRUCTION STORMWATER QUALITY MEASURES TO AID IN REDUCING THE AMOUNT OF POLLUTANTS:

- POST CONSTRUCTION STORMWATER QUALITY MEASURES WILL CONSIST OF VEGETATIVE COVER ON THE PERMANENT GRASS AREAS AND EROSION CONTROL BLANKETS IN SPECIFIED AREAS. BOTH THE VEGETATIVE COVER AND EROSION CONTROL BLANKETS ARE INTENDED TO STABILIZE THE DISTURBED AREAS AND TO SERVE AS A SEDIMENT TRAP FOR FINE PARTICLES WITHIN THE STORM SEWER SYSTEM.
- THE USE OF INLETS WITHIN THE STORM SEWER SYSTEM HAS BEEN UTILIZED. MAINTENANCE OF THE INLETS WILL BE THE RESPONSIBILITY OF THE OWNER AND/OR AGENCY TAKING JURISDICTION OVER THE STORM SEWER INFRASTRUCTURE IMPROVEMENTS.
- ENERGY DISSIPATION MEASURES HAVE BEEN INCLUDED AT ALL END SECTIONS LOCATIONS FOR THE OUTLET POINTS OF THE STORM SEWER SYSTEM AND WILL NEED TO BE MAINTAINED TO INSURE PROPER SLOPE BANK STABILITY.
- AN UNDERGROUND DETENTION AREA IS PROPOSED TO BOTH DETAIN STORMWATER RUNOFF AND PROVIDE A WATER QUALITY IMPROVEMENTS.
- ALTHOUGH NOT CURRENTLY A PART OF THE PROPOSED SYSTEM, THE OWNER SHOULD BE AWARE THAT IF AN EXCESS OF POLLUTANTS IS DETERMINED TO BE FOUND LEAVING THE SITE, ADDITIONAL MEASURES SUCH AS INLET DROPS IN FILTERS MAY BE REQUIRED IN THE FUTURE TO FURTHER REDUCE THE AMOUNT OF FINES AND PETROLEUM PRODUCTS ENTERING THE STORM SEWER SYSTEM FROM THE ROADWAY SYSTEM.
- A MECHANICAL BMP DIVERSION STRUCTURE IS PROPOSED FOR THIS PROJECT. THE OWNER SHALL FOLLOW THE OPERATION AND MAINTENANCE SCHEDULE AS DEFINED IN THE PROJECT O&M MANUAL. INSPECTIONS SHALL OCCUR AS DEFINED IN THE PROJECT O&M MANUAL.

(C4) LOCATION, DIMENSIONS, SPECIFICATIONS, AND CONSTRUCTION DETAILS OF EACH STORMWATER QUALITY MEASURE

THE STORMWATER QUALITY MEASURES FOR POST CONSTRUCTION ACTIVITIES ARE INDICATED WITHIN THESE CONSTRUCTION DOCUMENTS. REFER TO SHEETS C900–C903 & C905, AS WELL AS SHEETS 16–18 OF THE FRANKLIN STANDARDS FOR EROSION CONTROL MEASURES TO BE IMPLEMENTED WITHIN THE PROJECT SITE. REFER TO SHEET C300 FOR STORM SEWER IMPROVEMENTS, DRY DETENTION, AND MECHANICAL BMP ARE INTENDED TO SERVE THE POST CONSTRUCTED AREA. DIMENSIONS, SPECIFICATIONS AND CONSTRUCTION DETAILS FOR THESE STORMWATER QUALITY MEASURES ARE INCLUDED WITHIN THE FOREMENTIONED SERIES OF CONSTRUCTION DOCUMENTS.

(C5) POST CONSTRUCTION MAINTENANCE GUIDELINES

OWNER WILL PROVIDE MAINTENANCE ACTIVITIES FOR THE POST CONSTRUCTION WATER QUALITY MEASURES. MAINTENANCE ACTIVITIES WILL BE COMPLETED AS DESCRIBED BELOW.

- ALL INLET CASTINGS WILL BE INSPECTED MONTHLY. DEBRIS AND TRASH AROUND OR OBSTRUCTING INLETS WILL BE REMOVED AND DISPOSED PROPERLY.
- END SECTIONS WILL BE INSPECTED QUARTERLY. TRASH, STICKS, DEBRIS, AND SEDIMENT WILL BE REMOVED TO ENSURE PROPER PERFORMANCE OF THE END SECTION. RESET RIPRAP IF DISPLACED BY A LARGE RAIN EVENT. ADD ADDITIONAL RIPRAP IF NECESSARY.
- GRASS AREAS SURROUNDING INLETS WILL BE MAINTAINED ON A REGULAR MOWING CYCLE. TRASH AND DEBRIS WILL BE REMOVED FROM SEEDED AND PAVED AREAS.
- DAMAGE TO INLET CASTINGS, INLET STRUCTURES, STORM STRUCTURES, OR CATCH BASINS SHOULD BE REPAIRED AS SOON AS POSSIBLE.
- A MECHANICAL BMP DIVERSION STRUCTURE IS PROPOSED FOR THIS PROJECT. THE OWNER SHALL INSPECT THE SYSTEM ON AT LEAST A MONTHLY BASIS. MORE FREQUENT INSPECTIONS MAY NEED TO TAKE PLACE DURING PERIODS OF HEAVY RAINFALL. THE BMP SHOULD BE INSPECTED FOR FLOATABLE DEBRIS AND FROM ACCUMULATED SEDIMENT. ANY EXCESS SEDIMENT SHOULD BE COLLECTED TO BE REMOVED OF IN A PROPER LOCATION SO THAT THE DEBRIS DOES NOT ENTER INTO THE DOWNSTREAM STORMWATER SYSTEM. ALL MAINTENANCE REQUIREMENTS ARE THE RESPONSIBILITY OF THE OWNER. THE OWNER SHALL FOLLOW THE OPERATION AND MAINTENANCE SCHEDULE

[illegible]

	SOIL CONDITION		SHADE TOLERANCE	CLIMATIC TOLERANCE	TRAMPING TOLERANCE	FERTILITY NEEDS	WINTER HARDINESS	FLOODING TOLERANCE	DROUGHT TOLERANCE	ROOTING DEPTH (INCHES)	TIME TO MATURE (YEARS)	SOIL TOLERANCE		
	WET	DRY										GEN.	SOIL	SPRAY
CREEPING RED FESCUE ESTUCA RUBRA	2	1	2	1	1	1	MED.	1	20-25	12-18	7-8			\$
KENTUCKY BLUEGRASS POA PRUTENSIS	2	1	2	1	1	1	MED.	1	20-35	12-18	10-20			MT
TALL FESCUE FESTUCA ARDENSIANA	2	1	1	1	1	1	LDW	1	25-30	24-36	5-14			T
PERENNIAL RYEGRASS	2	1	2	1	1	2	MED.	2	14-20	12-18	5-10			MT

LOLLUM PERENNE	L	1	L			HIGH	L	10-20	L	10	5-10		
CROWNVECH CORNILLA VARLA	-	1	1	2	-	LOW	1	5-10	24	14-21	T		
RED CLOVER TRIFOLIUM PROTENSE	-	1	-	2	-	MED.	1	7-10	18	5-10	S	\$	

RANKING:

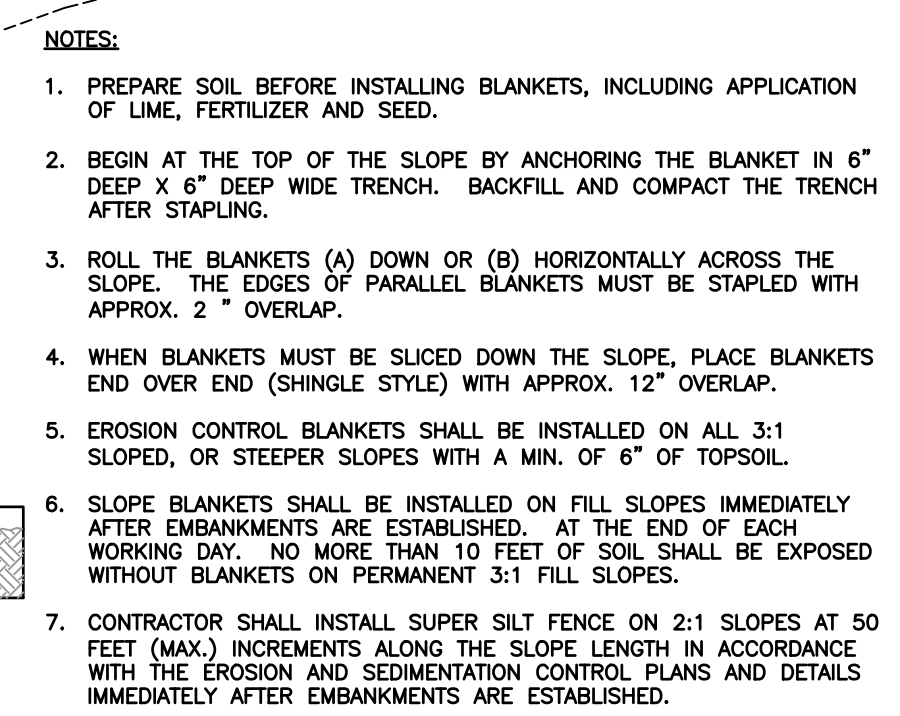
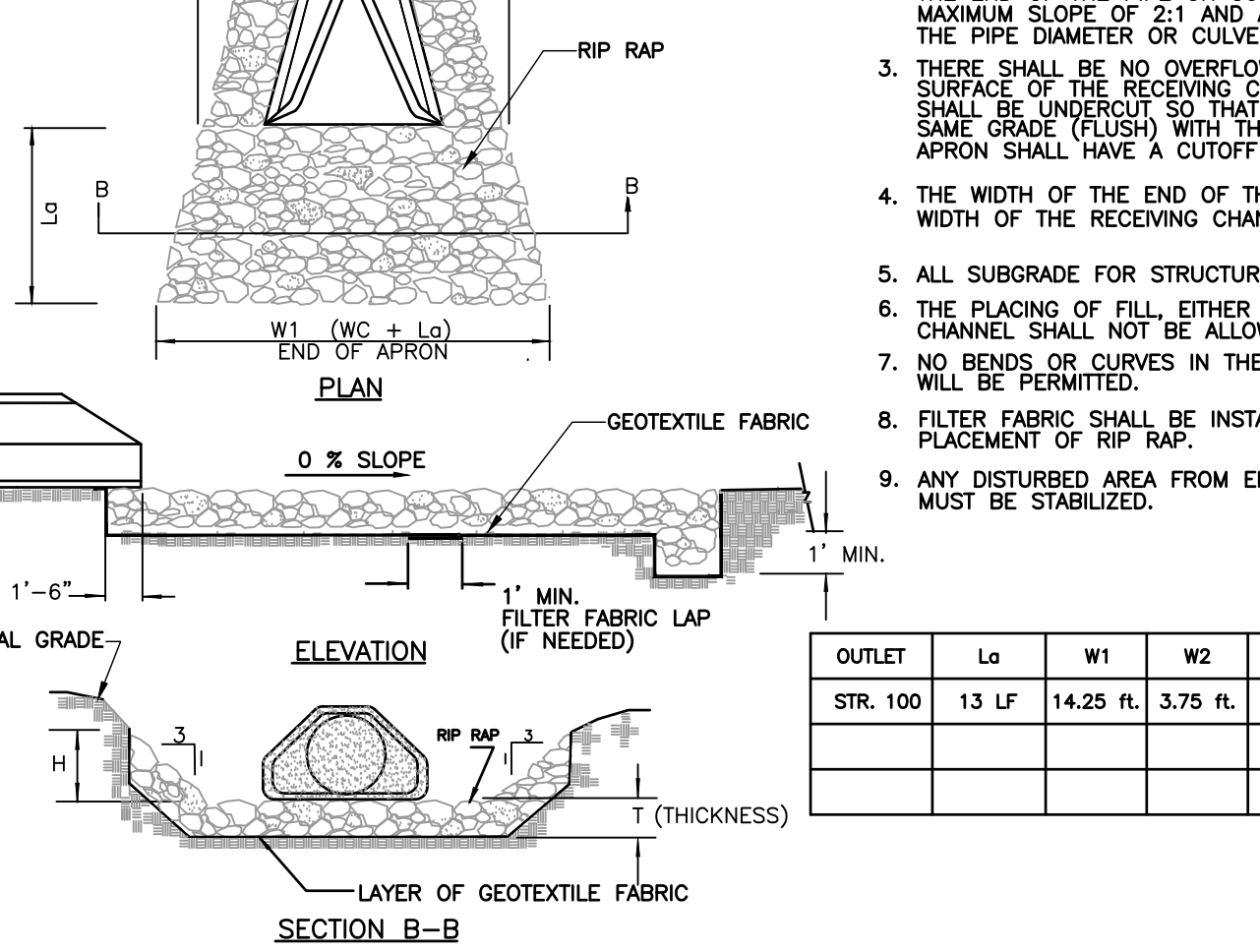
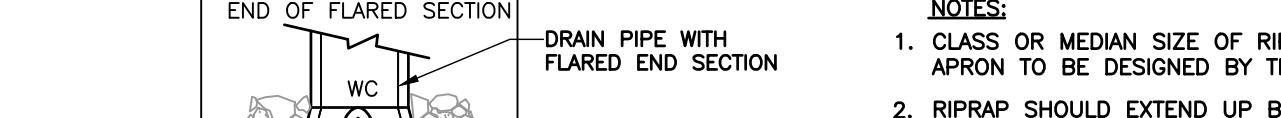
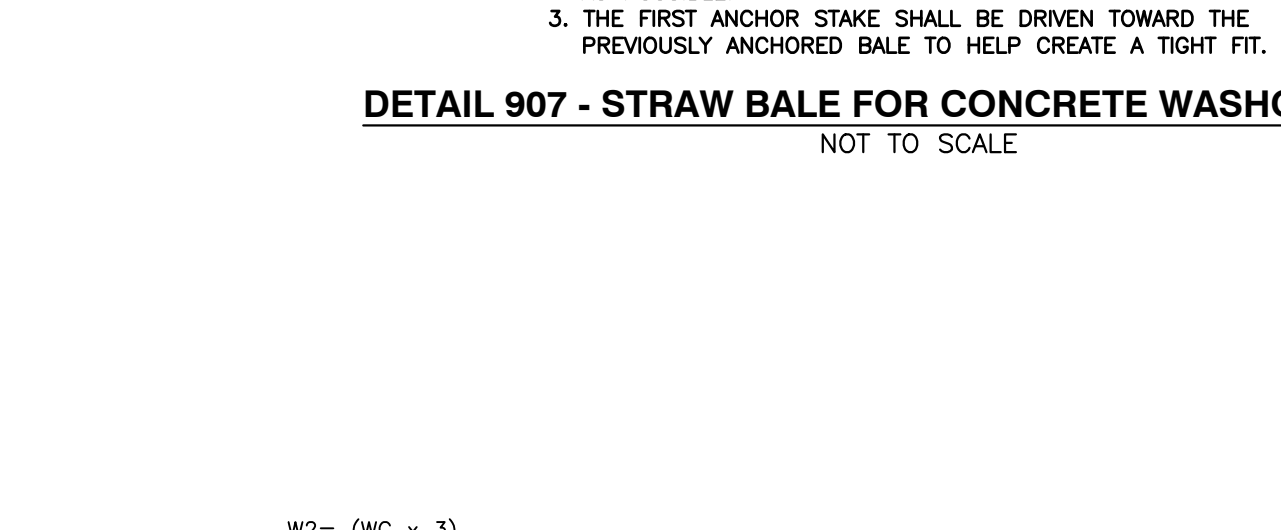
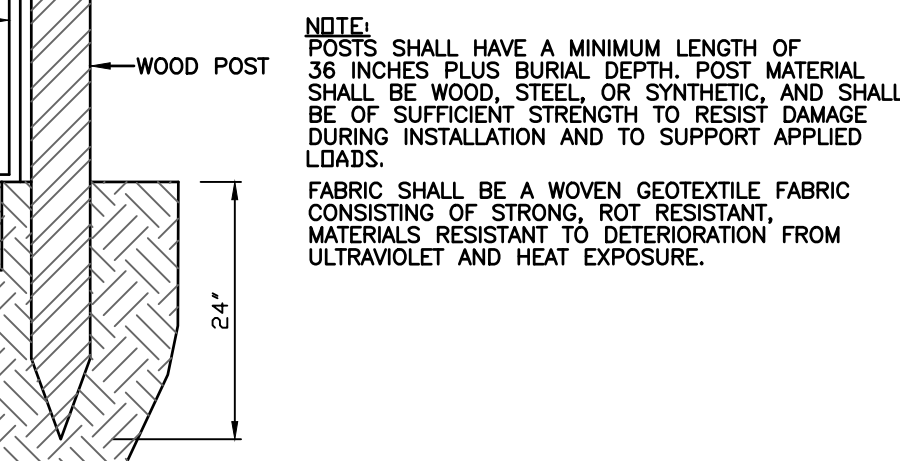
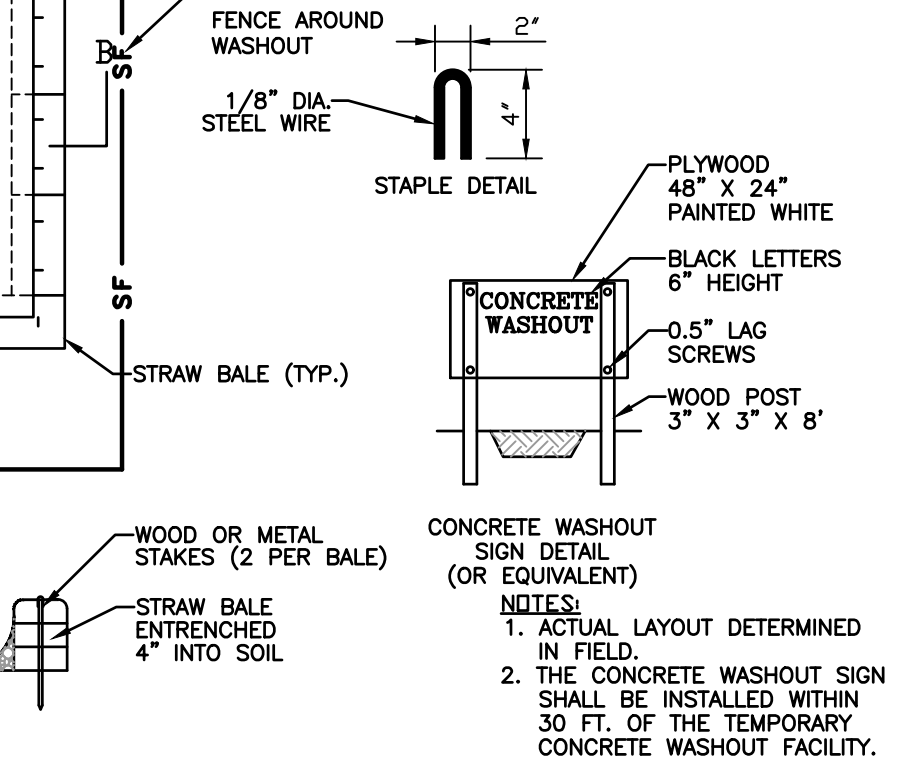
1. CORP.

SALT TOLERANCE (TO BOTH SOIL SALTS & SPRAY)

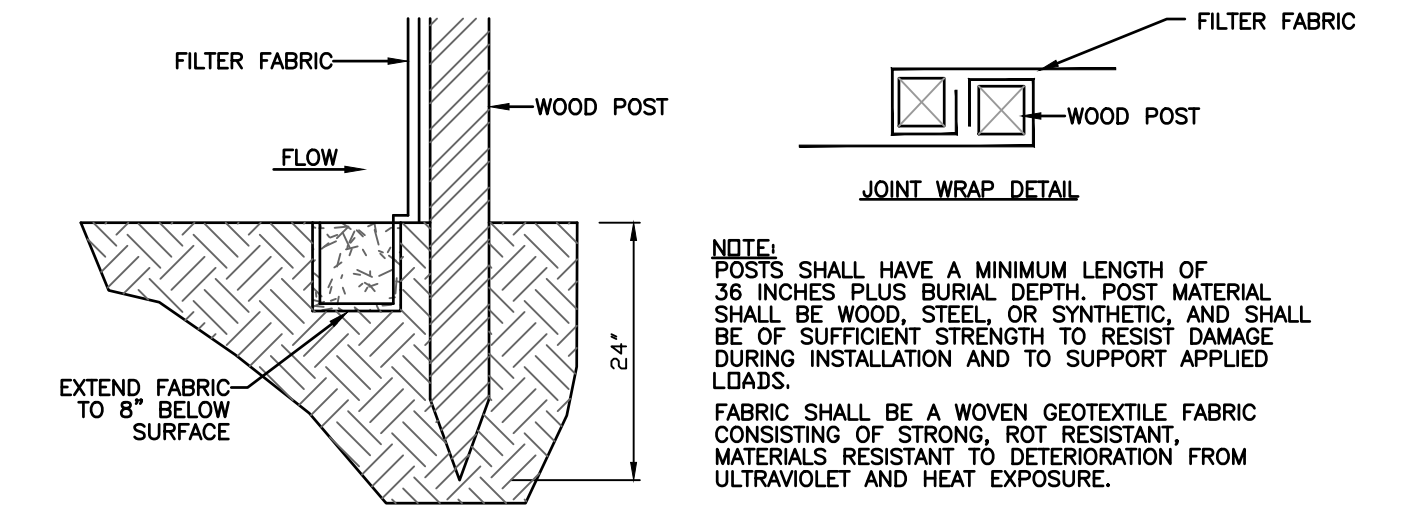
T. TOLERANCE

- NDT TOLERANT S SLIGHT TOLERANCE

Diagram illustrating the construction of a straw bale structure for erosion control. The structure is built using straw bales, with loose straw wedged between them. The structure is supported by 2" x 2" (nominal) wooden stakes or standard steel posts or equivalent, with a minimum of 2 per bale. The structure is placed on an excavated trench, with compacted soil adjacent to the bales to prevent undermining. The structure is designed to last from June to December, with a flow direction indicated. The structure is 8' MIN. wide.

[illegible]

NOT TO SCALE



NOT TO SCALE

DRAWING NO.: C905			SHEET 34			OF 34		
STORMWATER POLLUTION PREVENTION DETAILS			DATE: JUNE 7, 2018			DRAWN BY: BEB		
			DWG SCALE: 1" = 20'			CHECKED BY: ACH		
			PROJECT NO:			180-416		
			APPROVED BY:					
A			B			C		
COMPASS PARK INDIANA MASONIC HOME 690 STATE STREET FRANKLIN, IN 46131			D			E		
			F			G		
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