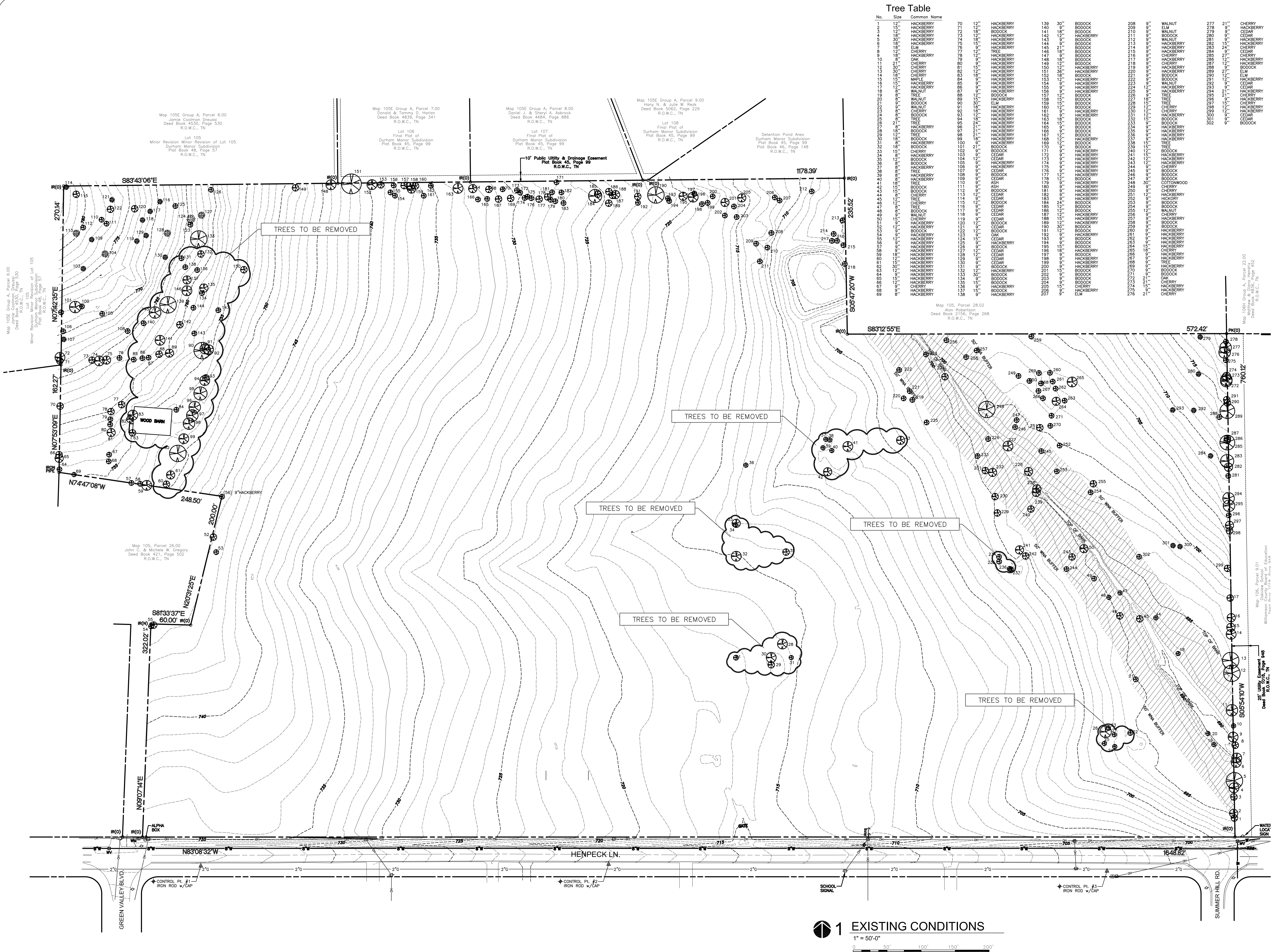




Tree Table

No.	Size	Common Name	No.	Size	Common Name	No.	Size	Common Name	No.	Size	Common Name
1	12"	HACKBERRY	70	12"	HACKBERRY	139	30"	BODOCK	208	9"	WALNUT
2	15"	HACKBERRY	71	12"	HACKBERRY	140	9"	BODOCK	209	9"	ELM
3	12"	HACKBERRY	72	18"	BODOCK	141	18"	BODOCK	210	9"	WALNUT
4	18"	HACKBERRY	73	12"	HACKBERRY	142	9"	BODOCK	211	9"	BODOCK
5	30"	HACKBERRY	74	18"	HACKBERRY	143	9"	BODOCK	212	9"	WALNUT
6	18"	HACKBERRY	75	15"	HACKBERRY	144	9"	BODOCK	213	9"	HACKBERRY
7	18"	ELM	76	9"	HACKBERRY	145	21"	BODOCK	214	9"	HACKBERRY
8	12"	TREE	77	12"	HACKBERRY	146	18"	BODOCK	215	9"	HACKBERRY
9	18"	HACKBERRY	78	12"	HACKBERRY	147	9"	BODOCK	216	9"	HACKBERRY
10	8"	OAK	79	9"	ELM	148	9"	BODOCK	217	9"	HACKBERRY
11	21"	CHERRY	80	9"	HACKBERRY	149	12"	BODOCK	218	9"	CHERRY
12	30"	CHERRY	81	12"	HACKBERRY	150	12"	HACKBERRY	219	9"	HACKBERRY
13	30"	CHERRY	82	12"	HACKBERRY	151	36"	HACKBERRY	220	9"	HACKBERRY
14	18"	CHERRY	83	9"	HACKBERRY	152	18"	HACKBERRY	221	9"	BODOCK
15	15"	MAPLE	84	9"	HACKBERRY	153	12"	HACKBERRY	222	9"	BODOCK
16	15"	HACKBERRY	85	9"	HACKBERRY	154	9"	HACKBERRY	223	9"	WALNUT
17	12"	HACKBERRY	86	9"	HACKBERRY	155	9"	HACKBERRY	224	12"	WALNUT
18	8"	WALNUT	87	9"	HACKBERRY	156	9"	HACKBERRY	225	9"	HACKBERRY
19	8"	BODOCK	88	9"	HACKBERRY	157	12"	BODOCK	226	9"	TREE
20	8"	WALNUT	89	15"	HACKBERRY	158	15"	BODOCK	227	18"	TREE
21	9"	BODOCK	90	30"	ELM	159	15"	BODOCK	228	15"	TREE
22	9"	WALNUT	91	18"	HACKBERRY	160	12"	BODOCK	229	12"	CHERRY
23	8"	CHERRY	92	18"	HACKBERRY	161	9"	HACKBERRY	230	12"	CHERRY
24	8"	BODOCK	93	12"	HACKBERRY	162	9"	HACKBERRY	231	12"	HACKBERRY
25	8"	TREE	94	18"	HACKBERRY	163	18"	BODOCK	232	15"	BODOCK
26	21"	TREE	95	24"	HACKBERRY	164	15"	BODOCK	233	9"	BODOCK
27	8"	HACKBERRY	96	21"	HACKBERRY	165	9"	BODOCK	234	9"	HACKBERRY
28	18"	BODOCK	97	21"	HACKBERRY	166	9"	BODOCK	235	9"	HACKBERRY
29	12"	HACKBERRY	98	12"	HACKBERRY	167	12"	BODOCK	236	8"	HACKBERRY
30	18"	BODOCK	99	18"	HACKBERRY	168	12"	HACKBERRY	237	9"	HACKBERRY
31	8"	HACKBERRY	100	9"	HACKBERRY	169	12"	BODOCK	238	15"	TREE
32	18"	BODOCK	101	21"	BODOCK	170	9"	BODOCK	239	15"	TREE
33	15"	CHERRY	102	9"	BODOCK	171	9"	HACKBERRY	240	15"	BODOCK
34	9"	HACKBERRY	103	9"	CEDAR	172	9"	HACKBERRY	241	15"	HACKBERRY
35	12"	BODOCK	104	9"	CEDAR	173	9"	HACKBERRY	242	12"	HACKBERRY
36	8"	BODOCK	105	9"	HACKBERRY	174	9"	HACKBERRY	243	15"	HACKBERRY
37	8"	HACKBERRY	106	9"	HACKBERRY	175	9"	CHERRY	244	9"	CHERRY
38	8"	TREE	107	107	CEDAR	176	9"	BODOCK	245	9"	BODOCK
39	8"	HACKBERRY	108	9"	BODOCK	177	12"	BODOCK	246	9"	BODOCK
40	9"	BODOCK	109	9"	BODOCK	178	12"	BODOCK	247	9"	BODOCK
41	18"	TREE	110	9"	ASH	179	9"	HACKBERRY	248	30"	COTTONWOOD
42	15"	BODOCK	111	9"	HACKBERRY	180	9"	HACKBERRY	249	9"	CHERRY
43	15"	BODOCK	112	9"	BODOCK	181	9"	HACKBERRY	250	9"	CHERRY
44	9"	CHERRY	113	9"	HACKBERRY	182	9"	HACKBERRY	251	12"	HACKBERRY
45	12"	TREE	114	9"	CEDAR	183	9"	HACKBERRY	252	9"	HICKORY
46	9"	CHERRY	115	9"	CEDAR	184	9"	BODOCK	253	8"	BODOCK
47	9"	CHERRY	116	9"	CEDAR	185	12"	BODOCK	254	9"	WALNUT
48	9"	BODOCK	117	9"	CEDAR	186	12"	HACKBERRY	255	9"	CHERRY
49	9"	WALNUT	118	9"	CEDAR	187	12"	HACKBERRY	256	9"	HACKBERRY
50	15"	CHERRY	119	9"	CEDAR	188	12"	HACKBERRY	257	9"	HACKBERRY
51	9"	HACKBERRY	120	9"	BODOCK	189	12"	HACKBERRY	258	9"	BODOCK
52	12"	HACKBERRY	121	9"	CEDAR	190	30"	BODOCK	259	9"	BODOCK
53	9"	BODOCK	122	12"	BODOCK	191	12"	BODOCK	260	9"	HACKBERRY
54	9"	HACKBERRY	123	9"	OAK	192	30"	HACKBERRY	261	9"	HACKBERRY
55	18"	HACKBERRY	124	15"	CEDAR	193	12"	BODOCK	262	15"	HACKBERRY
56	9"	HACKBERRY	125	9"	HACKBERRY	194	9"	BODOCK	263	9"	HACKBERRY
57	9"	CEDAR	126	9"	CEDAR	195	9"	HACKBERRY	264	15"	HACKBERRY
58	9"	HACKBERRY	127	12"	CEDAR	196	18"	HACKBERRY	265	18"	CHERRY
59	12"	HACKBERRY	128	9"	BODOCK	197	9"	HACKBERRY	266	9"	TREE
60	12"	HACKBERRY	129	9"	CEDAR	198	9"	HACKBERRY	267	9"	HACKBERRY
61	12"	HACKBERRY	130	30"	CEDAR	199	9"	HACKBERRY	268	9"	TREE
62	30"	HACKBERRY	131	9"	HACKBERRY	200	9"	HACKBERRY	269	9"	BODOCK
63	12"	HACKBERRY	132	9"	BODOCK	201	9"	BODOCK	270	9"	OAK
64	9"	HACKBERRY	133	30"	BODOCK	202	9"	BODOCK	271	9"	BODOCK
65	14"	HACKBERRY	134	15"	BODOCK	203	9"	CHERRY	272	21"	OAK
66	12"	HACKBERRY	135	15"	BODOCK	204	9"	CHERRY	273	21"	CHERRY
67	12"	CHERRY	136	9"	HACKBERRY	205	9"	HACKBERRY	274	15"	HACKBERRY
68	9"	BODOCK	137	15"	HACKBERRY	206	9"	HACKBERRY	275	9"	HACKBERRY
69	8"	HACKBERRY	138	9"	HACKBERRY	207	9"	ELM	276	21"	CHERRY

22 middleton street nashville, tennessee 37210

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architecture + interior design + planning

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PLANNING COMMISSION SUBMITTAL

CENTRAL EAST MIDDLE SCHOOL
HENPECK LANE
FRANKLIN, TENNESSEE

PROJECT NO. 1812
DATE 02/27/19
SHEET NO. C1.0

Unless otherwise specified, all comments shall be addressed on Sheet C2.0 and the newly added Title Sheet.

Location of sewer line

The Traffic Impact Analysis shall be submitted for review.

Letter of Water Availability shall be submitted.
Letter of Sewer Availability from the City of Franklin shall be submitted.
A Title Sheet shall be added.

A Location Map shall be shown.

Current Zoning shall be added.

Setbacks shall be placed directly onto the property.

Open Space percentage shall be shown

This needs to indicate you did a site visit and none were found.

Ensure this is correct

Ensure this is the proper name.

Please note that additional comments may be forthcoming from the County's Road Superintendent regarding the widening of Arno Road. His comments, although not shown in this letter, shall be made part of any resubmittal.

In speaking with the Highway Superintendent, he has determined that a right hand deceleration lane should be installed in this area.

In speaking with the Highway Superintendent, he has determined that a right hand deceleration lane should be installed in this area. This decel should be at 200 feet in length.

SITE DATA

TAX MAP: 105 PARCEL: 28.03
DEED BOOK: 2425 PAGE: 447
DEED BOOK: 395 PAGE: 658
CURRENT ZONING:

SETBACKS: FRONT YARD 60'
SIDE YARD 35'
REAR YARD 60'

SITE AREA: 34.98 AC ±
OPEN SPACE: (DEVELOPED AREA)
IMPERVIOUS AREA: AC / 34.98 AC = $\frac{1}{34.98}$ OPEN SPACE
PROJECT AREA: AC ±
NUMBER OF EMPLOYEES: 90
PARKING REQUIRED: 1 SPACE PER EMPLOYEE (90)
1 SPACE PER 2 CLASSROOMS (60)
120 SPACES REQUIRED

PROPOSED PARKING SPACES PROVIDED:
12 (REGULAR) + 8 H.C. SPACES = 320 SPACES
33 BUS PARKING SPACES

PROPOSED MIDDLE SCHOOL (1st) 131,558 SQ. FT.
(2nd) 65,441 SQ. FT.
(TOTAL) 196,999 SQ. FT.

STUDENT CAPACITY: 1,000 STUDENTS
HEIGHT: 2 STORY

ARTICLE 13 NOTES:

NO KARST, HILLTOP/RIDGETOP, VERY STEEP SLOPES,
SUPPAGE SOILS IDENTIFIED OR SHOWN ON NRCS OR
GEOLOGIC MAPS.

W.N.A. NOTE: WITHIN THE WATERWAY NATURAL AREAS, THERE
SHALL BE NO CLEARING, GRADING, CONSTRUCTION, OR
DISTURBANCE OF VEGETATION EXCEPT AS PERMITTED BY
THE WILLIAMSON COUNTY ENGINEERING DEPARTMENT.

DEVELOPER: WILLIAMSON COUNTY SCHOOL DISTRICT
OWNER:

FLOOD NOTE: THIS PROPERTY IS LOCATED IN
ZONE X AREAS DETERMINED TO BE OUTSIDE THE LIMITS OF A
1% ANNUAL CHANCE FLOOD ACCORDING TO F.I.R.M. MAP
WILLIAMSON COUNTY, TENNESSEE PANEL 47187C0213F &
47187C0355F, FROM FEMA FLOOD MAP SERVICE CENTER,
DATED 9-29-2006

Map 105, Parcel 28.02
Alan Robertson
Deed Book 2156, Page 268
R.O.W.C., TN

- STANDARD PARKING SPACES ARE 9'-0" WIDE BY 18'-0" LONG. PAVEMENT SLOPE AT ALL HANDICAPPED PARKING & AISLES SHALL NOT EXCEED 1:50 (2% SLOPE) IN ANY DIRECTIONS.
- ALL PARKING AND DRIVES, UNLESS OTHERWISE NOTED, ARE ASPHALTIC PAVING ON STONE BASE. SEE 9-C7.0 FOR THICKNESS OF BASE AND ASPHALTIC SURFACE.
- TRAFFIC CONTROL SIGNS ARE TO BE AS FOLLOWS:
OW - ONE WAY
DNE - DO NOT ENTER
STP - STOP
STP/DNE - COMBINATION DO NOT ENTER WITH STOP ON OPPOSITE SIDE
Y - YIELD
HC - HANDICAPPED PARKING SIGN, COMPLY WITH ADA REQUIREMENTS, SEE DETAIL 2-C7.0

- TRAFFIC MESSAGE SIGNS (T.M.S. #X) ARE TO READ AS FOLLOWS:

BUS TRAFFIC ONLY T.M.S. #3
VISITOR PARKING T.M.S. #7
CAR RIDER PICK-UP T.M.S. #8

- MAXIMUM SLOPE OF SIDEWALKS TO BE 1:20 WITH MAXIMUM CROSS SLOPE OF 1:50.

- MAXIMUM SLOPE OF SIDEWALKS AT EXTERIOR DOORS SHALL BE 1:50 FOR A DISTANCE OF 5'-0" BEYOND DOOR & 1'-6" ON BOTH SIDES OF DOOR.

- ALL PAVEMENT MARKING ON HENPECK LN. SHALL BE THERMOPLASTIC. ALL MARKING ON SITE SHALL BE PAINTED.

MARKING LEGEND

S.S.W.L. - SINGLE SOLID WHITE LINE
S.S.Y.L. - SINGLE SOLID YELLOW LINE
D.S.Y.L. - DOUBLE SOLID YELLOW LINE
S.D.Y.L. - SINGLE DASHED YELLOW LINE
D.W.L. - DASHED WHITE LINE
H.W.L. - HATCHED WHITE LINE
H.Y.L. - HATCHED YELLOW LINE
24" STOP BAR
PAVEMENT ARROW

GENERAL SITE NOTES

OWNER/APPLICANT:
WILLIAMSON COUNTY SCHOOLS
ATTN: MR. KEVIN FORTNEY (DIR. OF FACILITIES/CONSTRUCTION)
1320 W. MAIN STREET
FRANKLIN, TN 37064

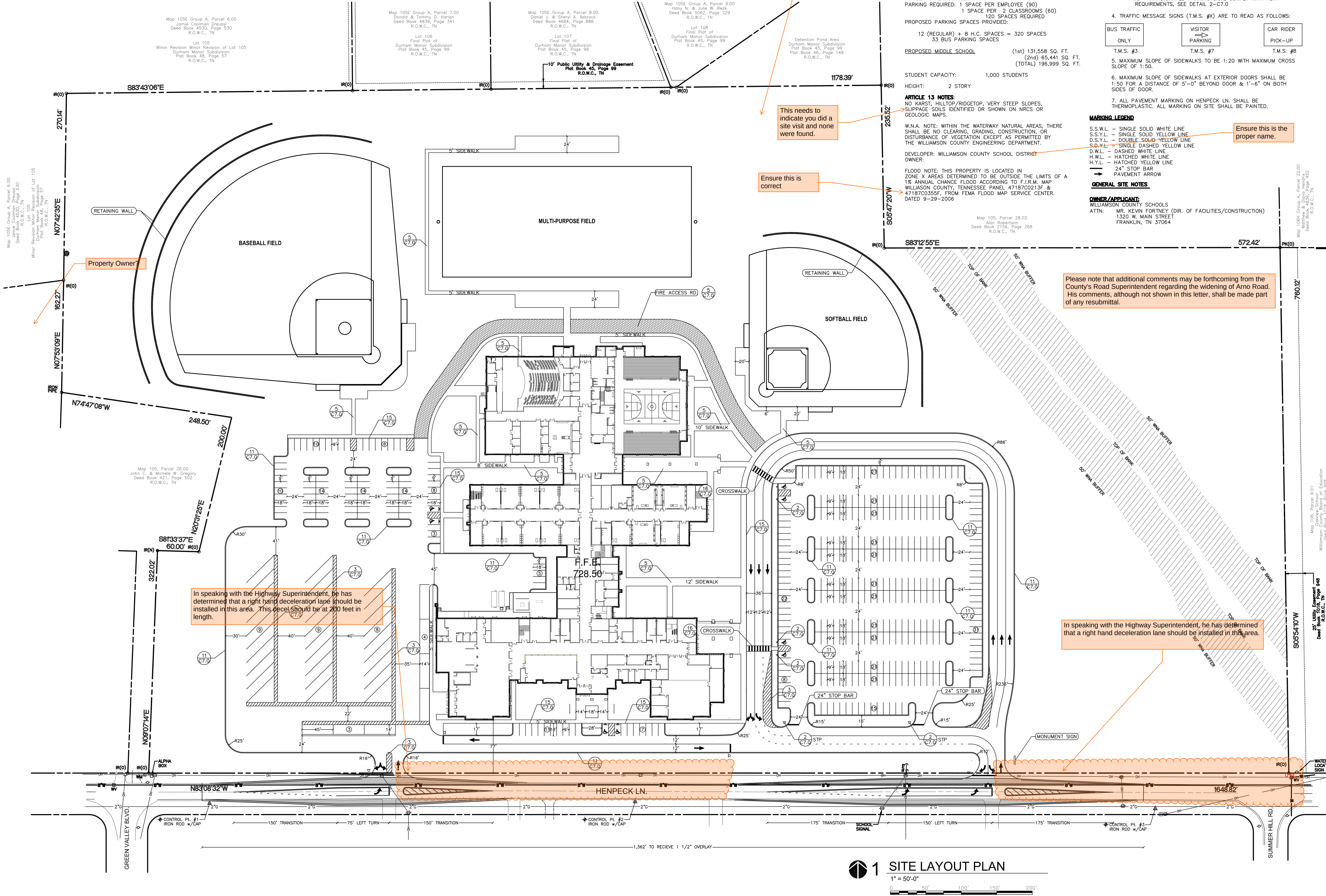


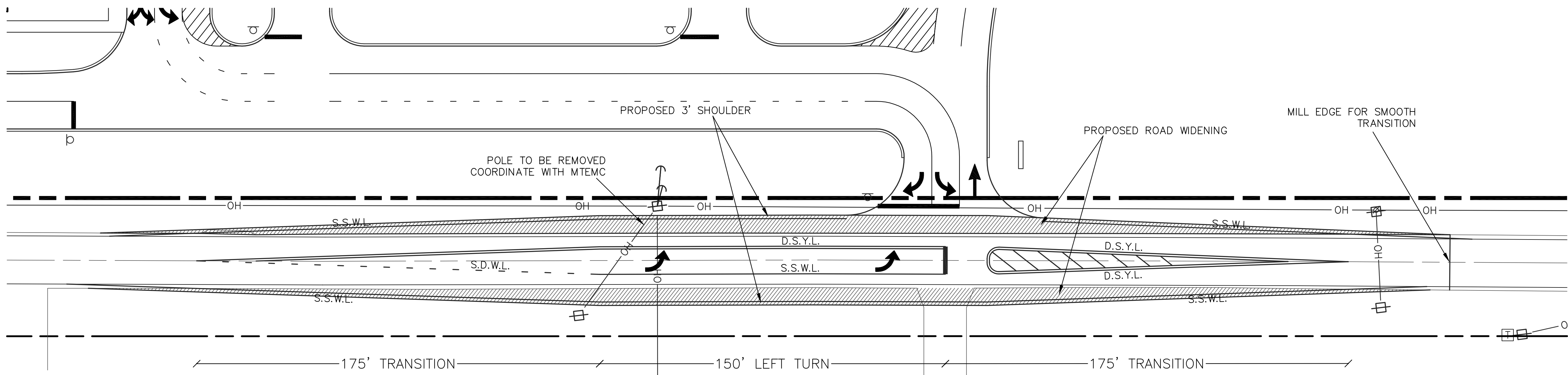
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REVISIONS

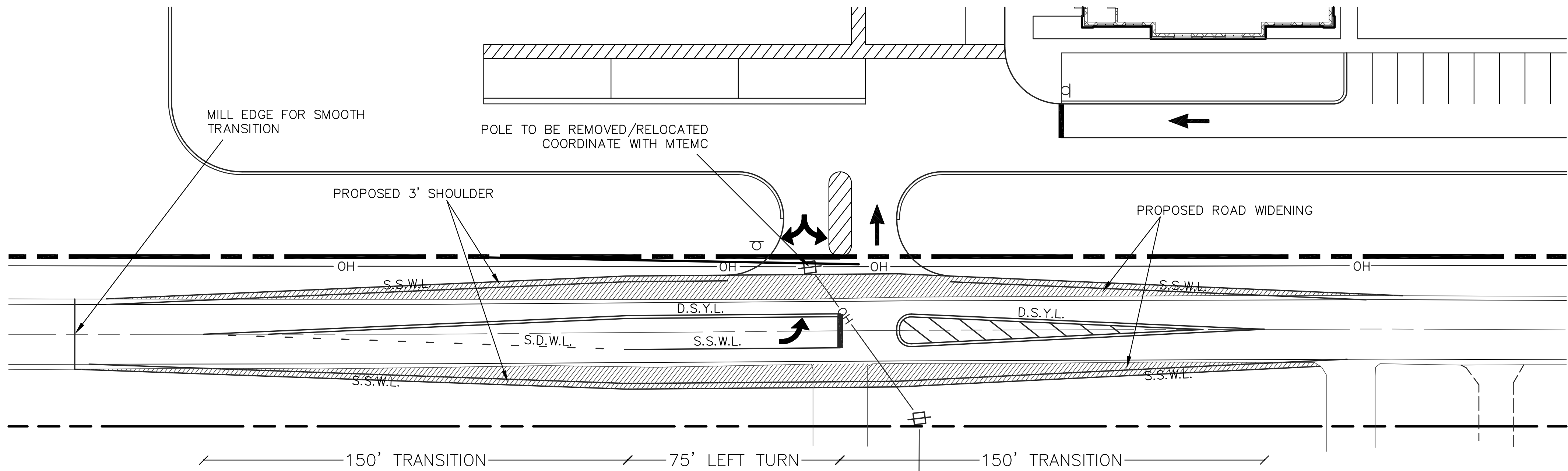
PROJECT NO. 1812
DATE 02/27/19
SHEET NO.

C2.0

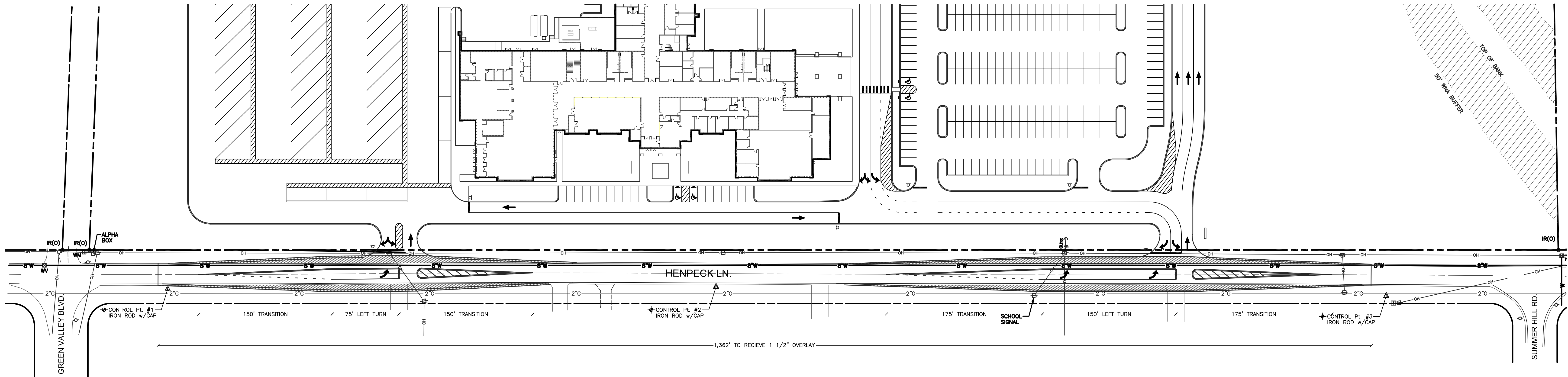




ROAD STRIPING PLAN
SCALE: N.T.S.



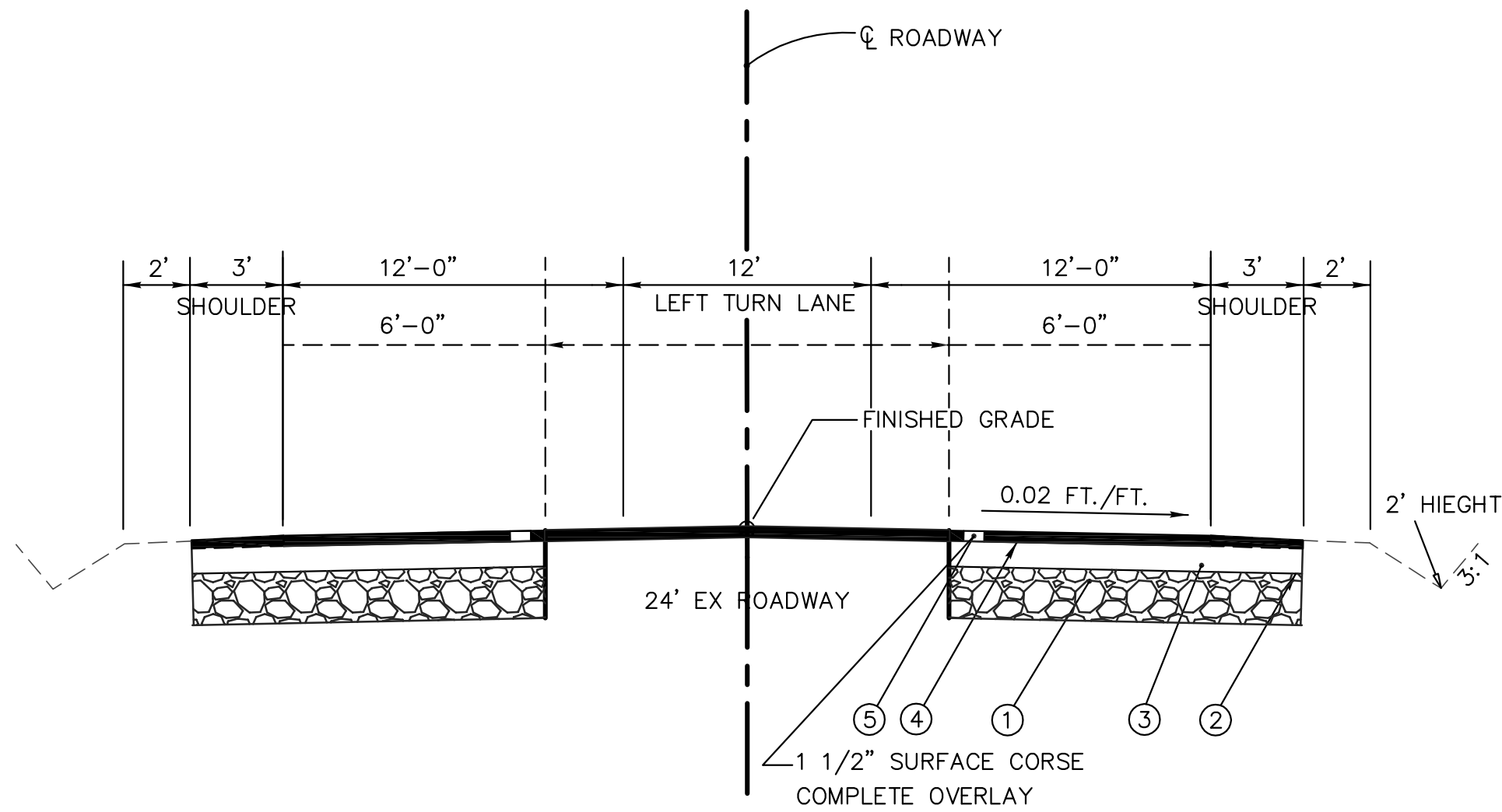
ROAD STRIPING PLAN
SCALE: N.T.S.



1 ROADWAY PLAN
1" = 50'-0"
0 50' 100' 150' 200'

MARKING LEGEND

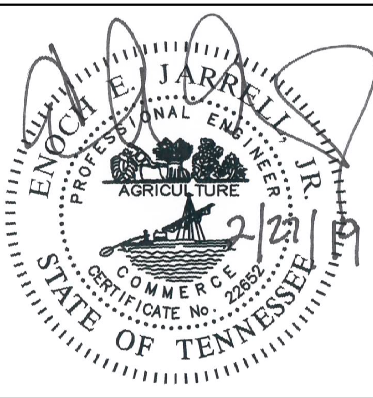
- SSWL SINGLE SOLID WHITE LINE (4")
SSYL SINGLE SOLID YELLOW LINE (4")
DSYL DOUBLE SOLID YELLOW LINE (4")
SDWL SINGLE DASHED WHITE LINE (4")
SDYL SINGLE DASHED YELLOW LINE (4")
DWL DOTTED WHITE LINE (4")
DYL DOTTED YELLOW LINE (4")
HYL HASHED YELLOW LINE (12")
HWL HASHED WHITE LINE (12")
— STOP LINE (24")
↗ PAVEMENT ARROW



TYPICAL SECTION — HENPECK LN.
NOT TO SCALE

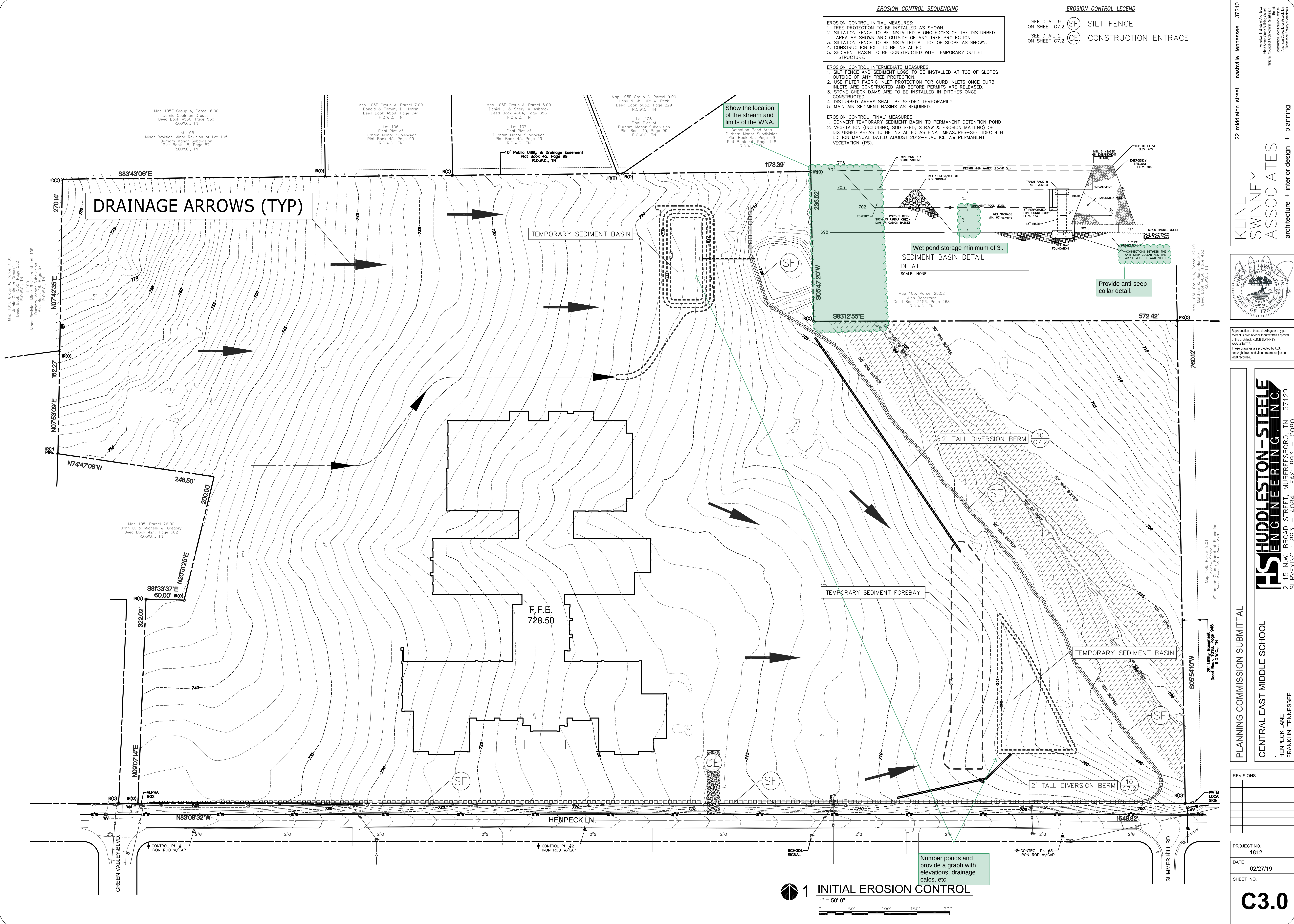
PROPOSED PAVEMENT SCHEDULE

- ① MINERAL AGGREGATE @ 10" THICK
ITEM NO. 303-01 MINERAL AGGRGATE, TYPE "A" BASE, GRADING "D"
- ② PRIME COAT
ITEM NO. 402-01 BITUMINOUS MATERIAL FOR PRIME COAT (P.C.) @ 0.35± GAL./SQ.YD.
ITEM NO. 402-02 AGGREGATE FOR COVER MATERIAL (P.C.) @12 LBS./SQ.YD.
- ③ BINDER COURSE AT 3 1/2" THICK
ITEM NO. 307-03.03 — CW BINDER
- ④ TACK COAT
ITEM NO. 403-01 BITUMINOUS MATERIAL FOR TACK COAT (T.C.) @ 0.02 GAL./SQ.YD.
- ⑤ SURFACE COURSE @ 1 1/2" THICK (206 LBS./SQ.YD.)
ITEM NO. 411-02.10 ASPHALT CEMENT (PG70-22) (ACS) GRADING E



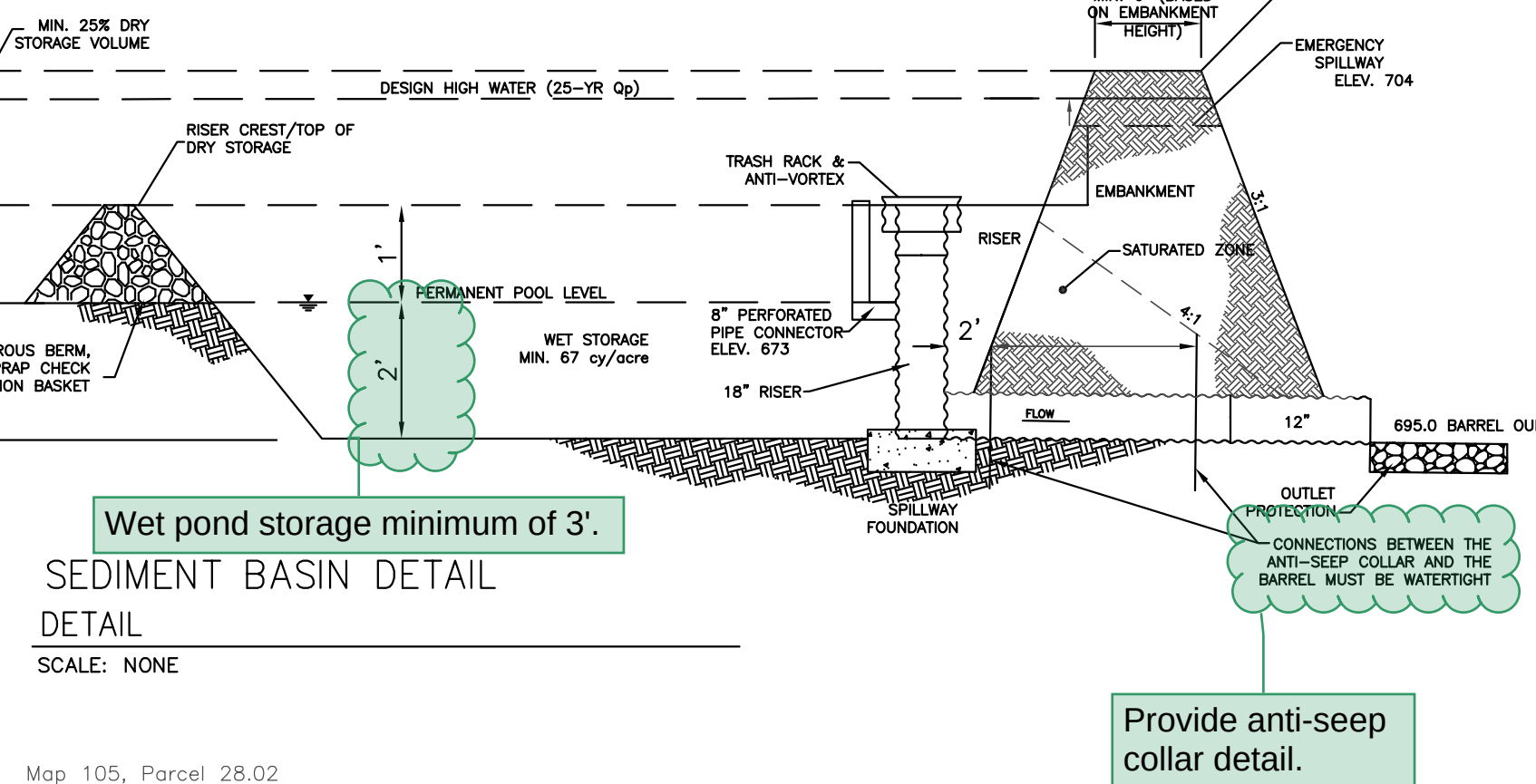
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REVISIONS



- EROSION CONTROL SEQUENCING**
- EROSION CONTROL INITIAL MEASURES:**
1. TREE PROTECTION TO BE INSTALLED AS SHOWN.
 2. SILTATION FENCE TO BE INSTALLED ALONG EDGES OF THE DISTURBED AREA AS SHOWN AND OUTSIDE OF ANY TREE PROTECTION.
 3. SILTATION FENCE TO BE INSTALLED AT TOE OF SLOPE AS SHOWN.
 4. CONSTRUCTION EXIT TO BE INSTALLED.
 5. SEDIMENT BASIN TO BE CONSTRUCTED WITH TEMPORARY OUTLET STRUCTURE.
- EROSION CONTROL INTERMEDIATE MEASURES:**
1. SILT FENCE AND SEDIMENT LOSS TO BE INSTALLED AT TOE OF SLOPES OUTSIDE OF ANY TREE PROTECTION.
 2. USE FILTER FABRIC INLET PROTECTION FOR CURB INLETS ONCE CURB INLETS ARE CONSTRUCTED AND BEFORE PERMITS ARE RELEASED.
 3. STONE CHECK DAMS ARE TO BE INSTALLED IN DITCHES ONCE CONSTRUCTED.
 4. DISTURBED AREAS SHALL BE SEEDED TEMPORARILY.
 5. MAINTAIN SEDIMENT BASINS AS REQUIRED.
- EROSION CONTROL 'FINAL' MEASURES:**
1. CONVERT TEMPORARY SEDIMENT BASIN TO PERMANENT DETENTION POND
 2. VEGETATION (INCLUDING, SOD SEED, STRAW & EROSION MATTING) OF DISTURBED AREAS TO BE INSTALLED AS FINAL MEASURES—SEE TDEC 4TH EDITION MANUAL DATED AUGUST 2012—PRACTICE 7.9 PERMANENT VEGETATION (PS).

- EROSION CONTROL LEGEND**
- SEE DETAIL 9 ON SHEET C7.2 **SF** SILT FENCE
- SEE DETAIL 2 ON SHEET C7.2 **CE** CONSTRUCTION ENTRANCE



37210 nashville, tennessee 22 middleton street

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2115 N.W. BROAD STREET, MURFREESBORO, TN 37129
SURVEYING 1.883.893.4084 FAX 893.4080

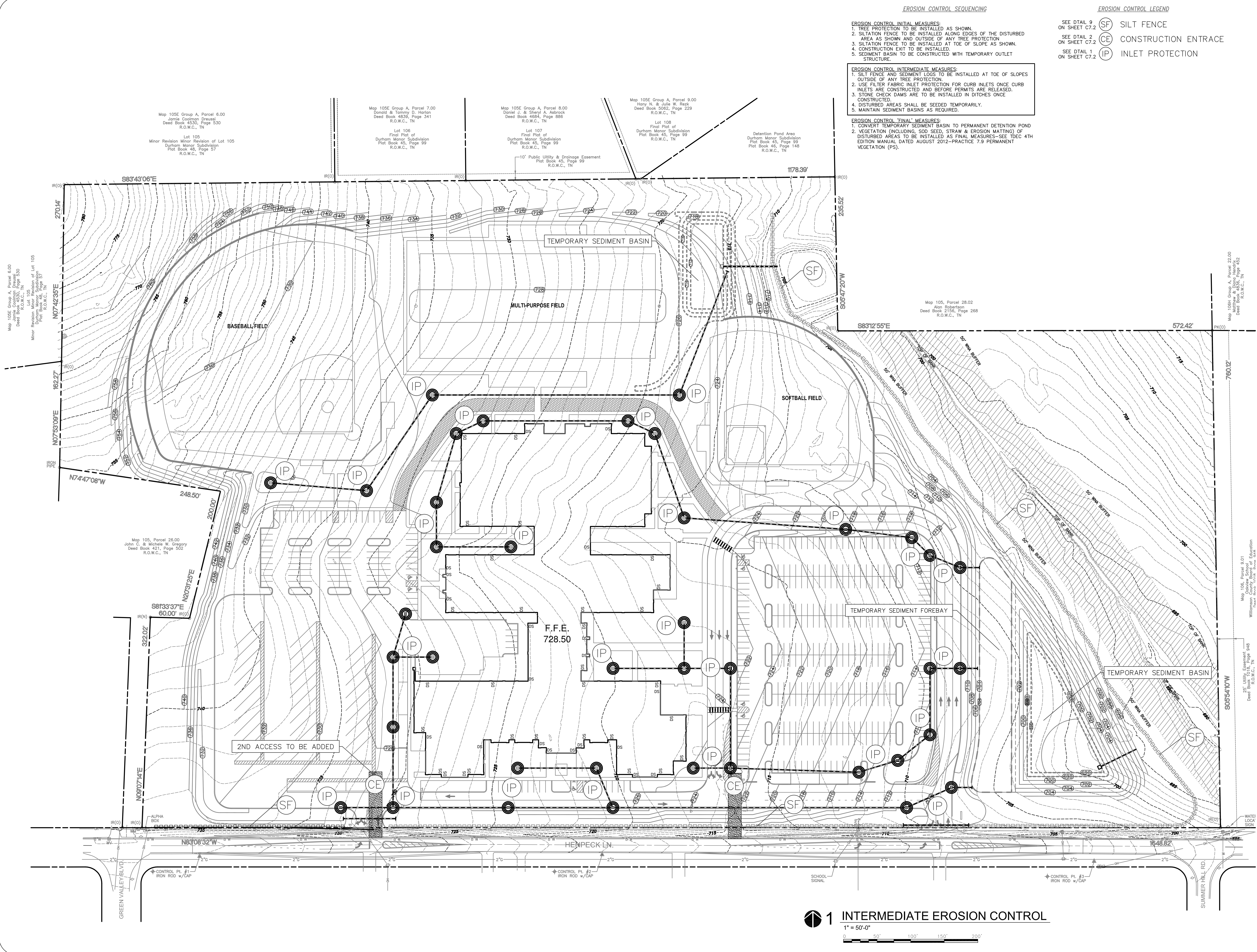
PLANNING COMMISSION SUBMITTAL

CENTRAL EAST MIDDLE SCHOOL
HENPECK LANE
FRANKLIN, TENNESSEE

REVISIONS	

PROJECT NO. 1812
DATE 02/27/19
SHEET NO.

C3.0



EROSION CONTROL SEQUENCING

EROSION CONTROL INITIAL MEASURES:

1. TREE PROTECTION TO BE INSTALLED AS SHOWN.
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EROSION CONTROL LEGEND

SEE DETAIL 9
ON SHEET C7.2

SF SILT FENCE

SEE DETAIL 2
ON SHEET C7.2

CE CONSTRUCTION ENTRANCE

SEE DETAIL 1
ON SHEET C7.2

IP INLET PROTECTION

37210

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22 middleton street

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american institute of architects
national council of architectural registration
national society of professional engineers
american council on education
american society of architects

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PLANNING COMMISSION SUBMITTAL

CENTRAL EAST MIDDLE SCHOOL

HENPECK LANE
FRANKLIN, TENNESSEE

REVISIONS

PROJECT NO.

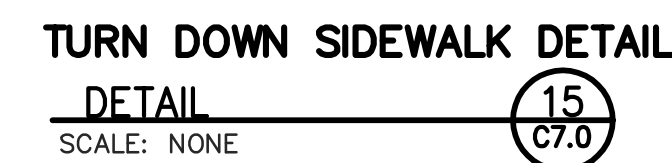
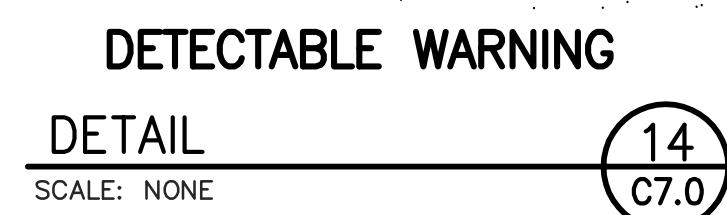
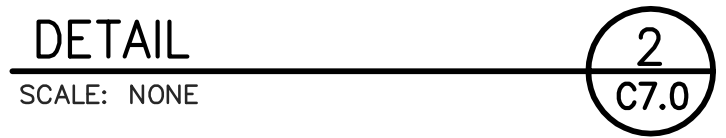
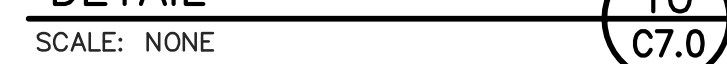
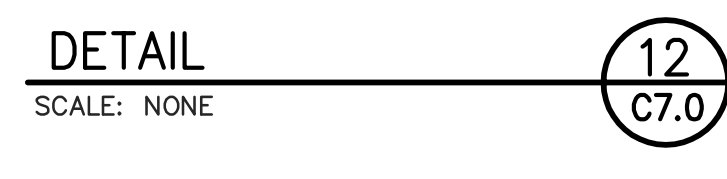
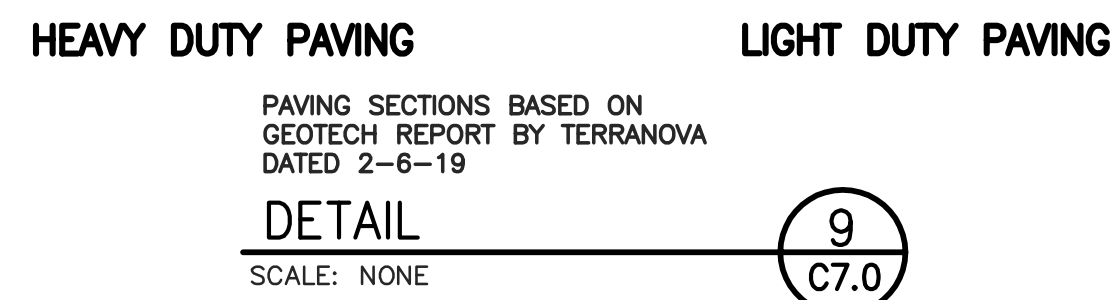
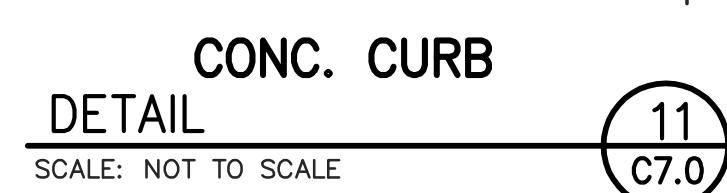
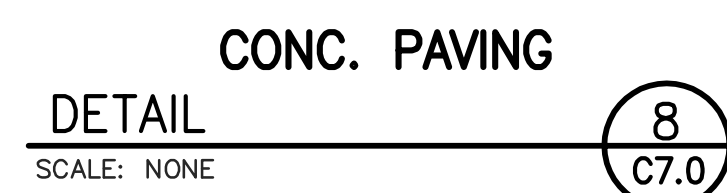
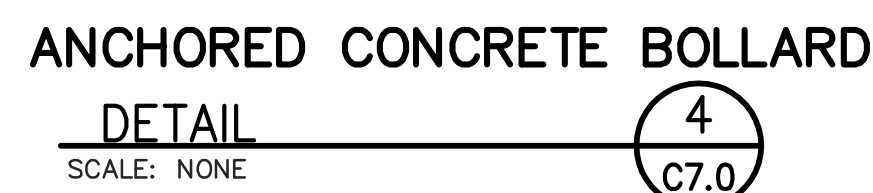
1812

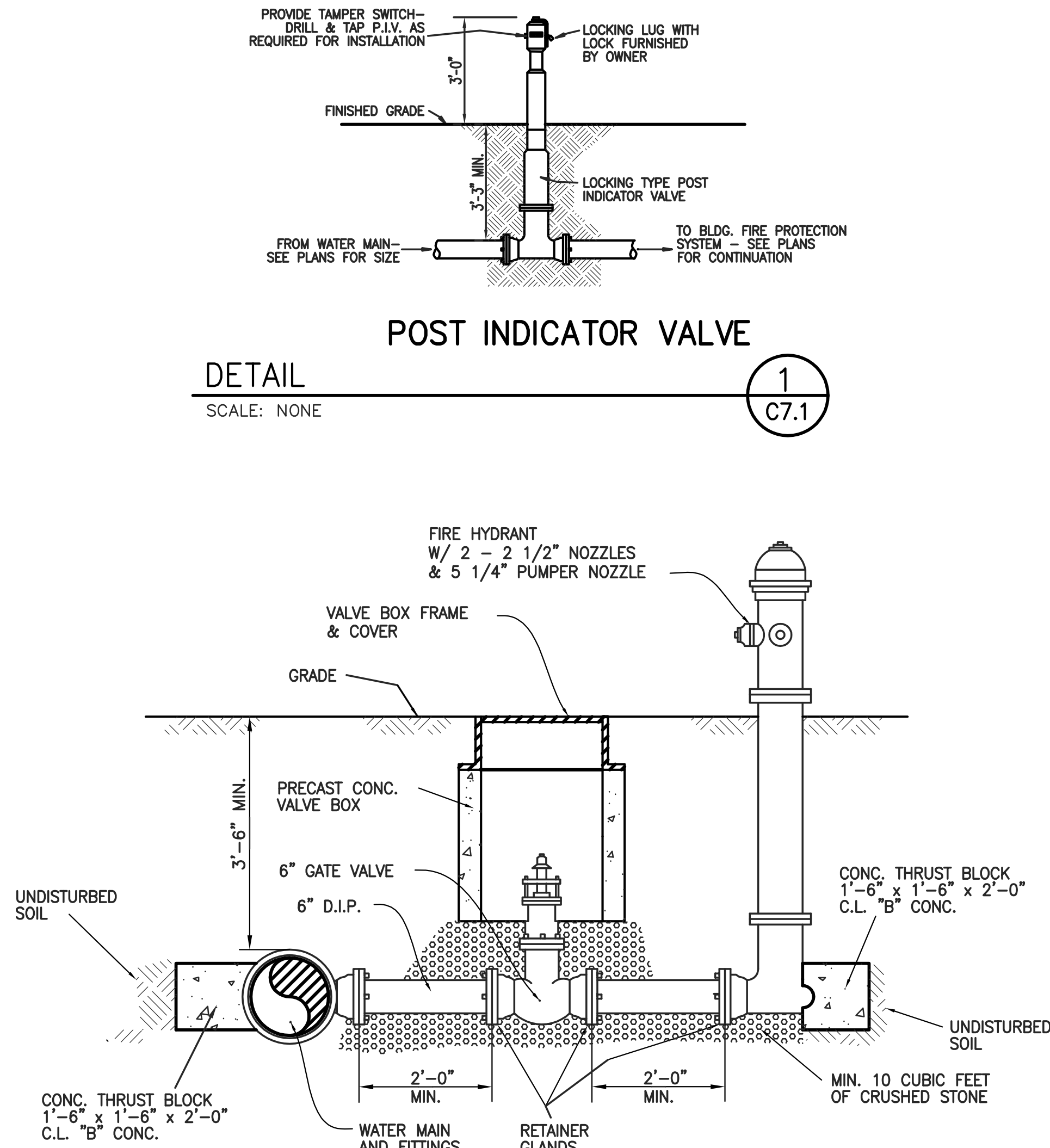
DATE

02/07/19

SHEET NO.

C5.0



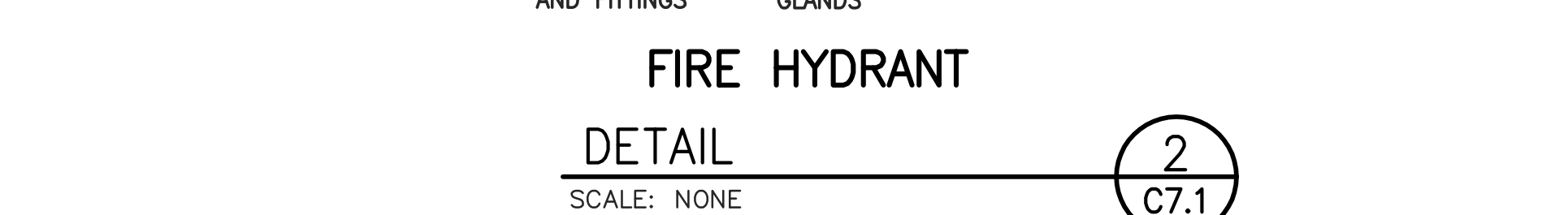


POST INDICATOR VALVE

DETAIL

SCALE: NONE

1
C7.1

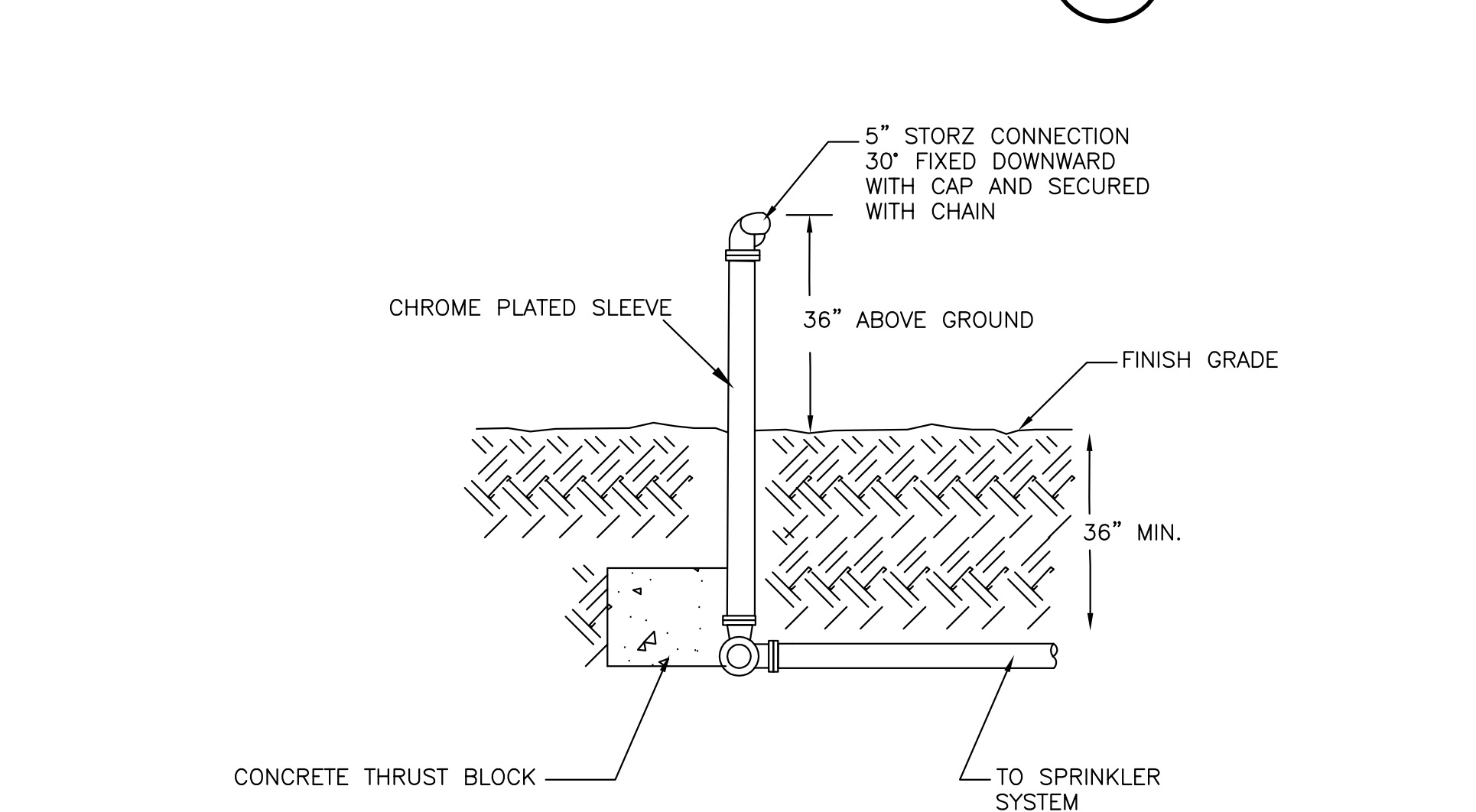


FIRE HYDRANT

DETAIL

SCALE: NONE

2
C7.1

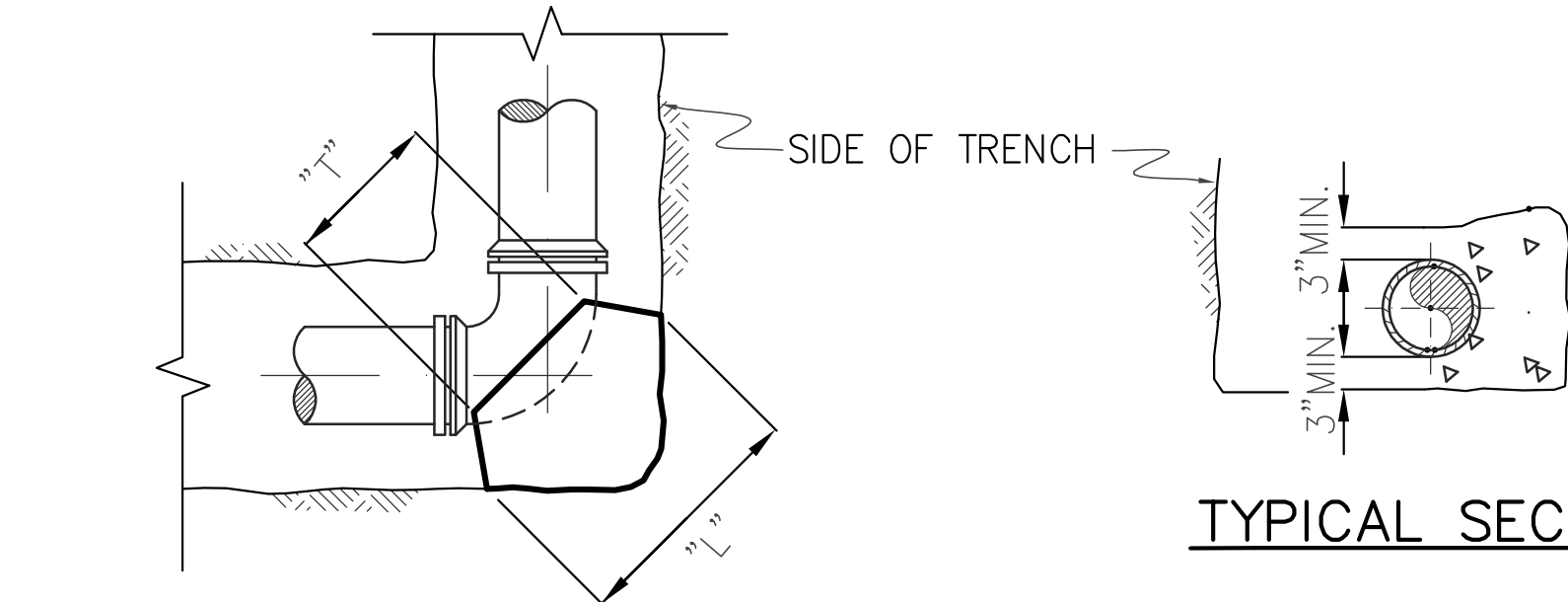


FIRE DEPARTMENT CONNECTION

DETAIL

SCALE: NOT TO SCALE

3
C7.1



90 DEGREE BEND

TYPICAL SECTION

90 DEGREE BEND							
SIZE	3"	6"	8"	10"	12"	14"	16"
D	8	8	8	10	10	12	12
L	24	24	36	48	48	60	66
W	24	24	30	36	48	60	63
T	16	16	16	18	18	24	24

45 & 22 1/2 DEGREE BEND							
SIZE	3"	6"	8"	10"	12"	14"	16"
D	8	8	8	10	10	12	12
L	18	18	24	30	36	42	48
W	12	12	18	24	30	42	48
T	16	16	16	18	18	24	24

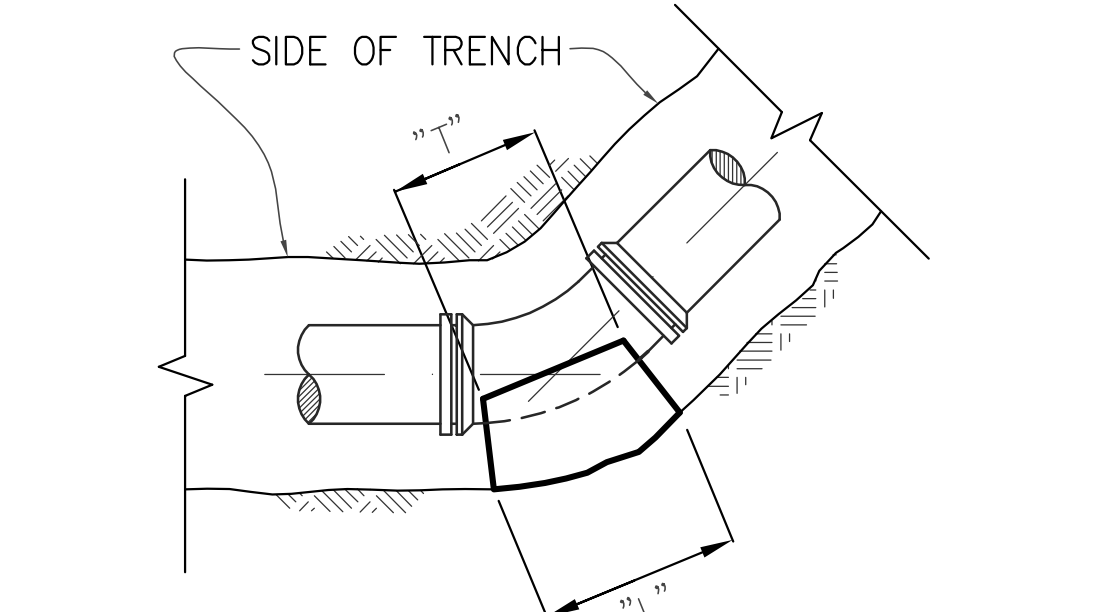
11-1/4 DEGREE BEND							
SIZE	3"	6"	8"	10"	12"	14"	16"
D	8	8	8	10	10	12	12
L	15	18	24	24	30	33	36
W	12	18	18	18	24	27	30
T	15	15	15	15	18	21	24

TEE							
SIZE	3"	6"	8"	10"	12"	14"	16"
D	8	8	8	10	10	12	12
L	18	18	30	36	48	54	60
W	12	12	24	30	36	42	48
T	12	12	12	18	18	24	24

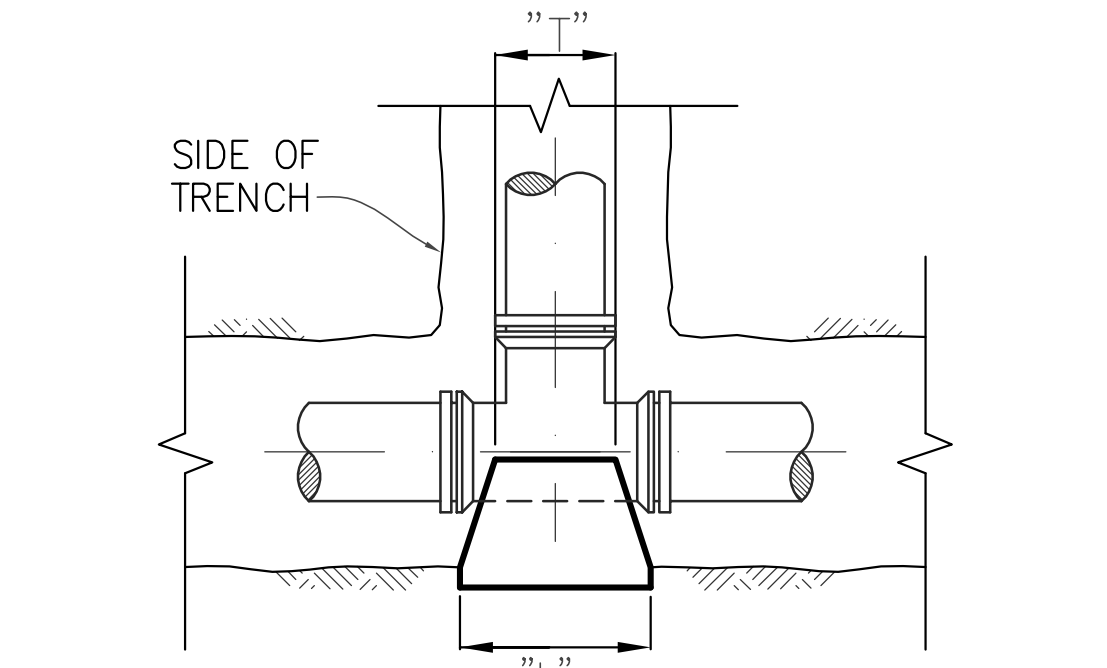
PLUG							
SIZE	3"	6"	8"	10"	12"	14"	16"
D	18	18	24	24	24	30	30
L	18	18	30	36	42	48	54
W	18	18	30	36	42	48	54
T	12	12	18	18	18	18	18

NOTE:

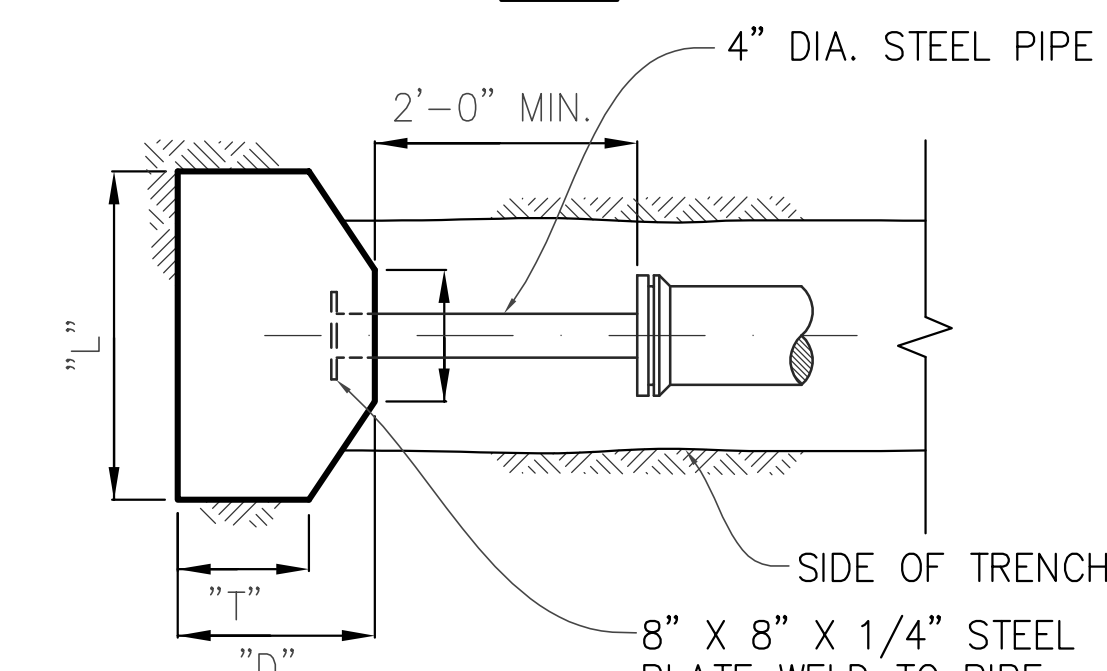
1. FOR TEE WITH BRANCH UNEQUAL TO RUN USE TEE TYPE KICKER WITH D, L & W DIMENSIONS THE SAME AS THOSE OF TEE. SELECT "T" DIMENSION FROM TEE TABLE UNDER COLUMN HEADED BY THE SIZE AS THE BRANCH.
2. IF EXACT SIZE PIPE BLOCKING IS NOT SHOWN, USE NEXT LARGER SIZE.
3. DEPTH "D" MAY BE GREATER THAN SPECIFIED. TO ALLOW WORKING SPACE PIER MUST BE PLACED AGAINST UNDISTURBED EARTH.



45, 22 1/2 & 11 1/4 DEGREE BEND



TEE



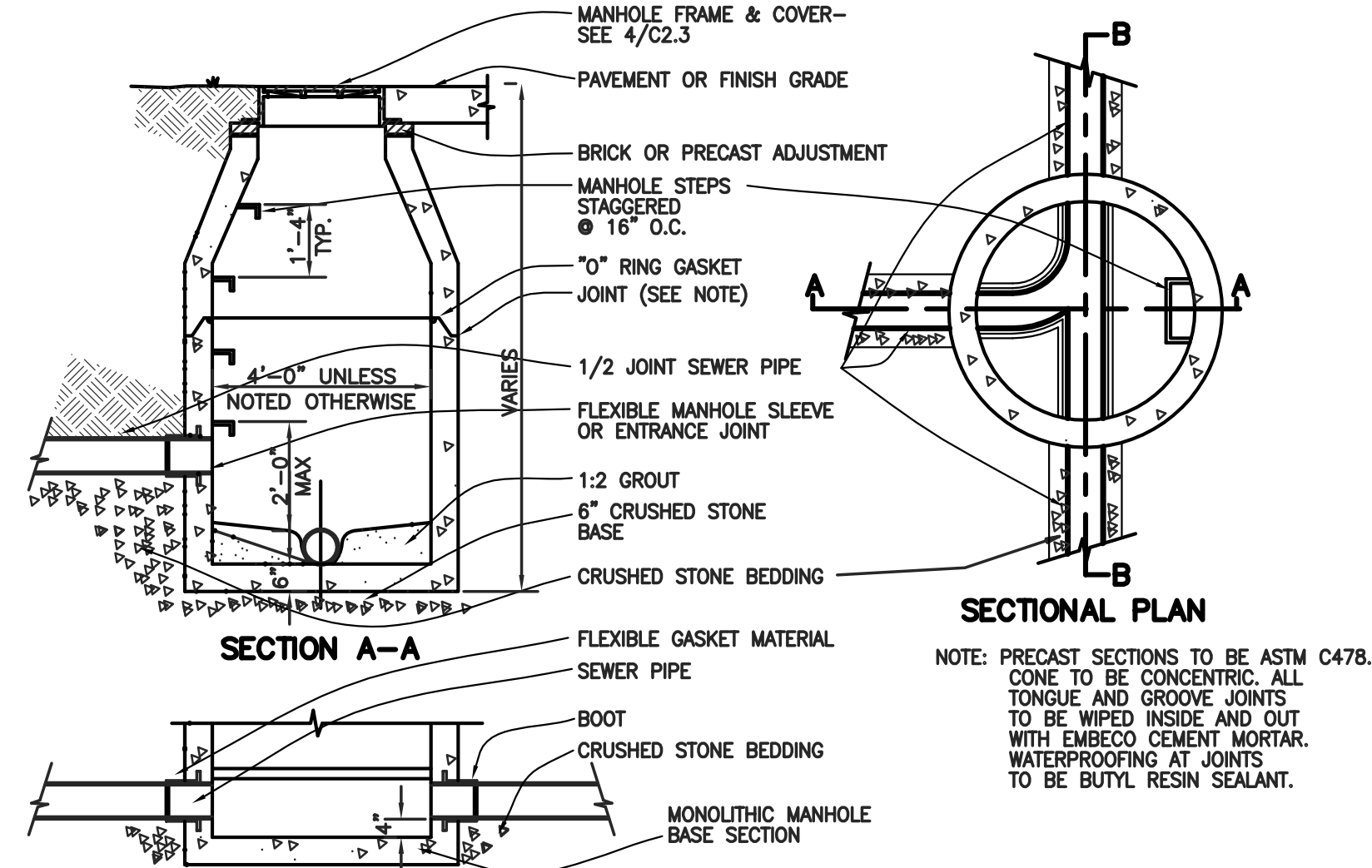
PLUG

TYPICAL THRUST BLOCK DETAILS

DETAIL

SCALE: NONE

4
C7.1

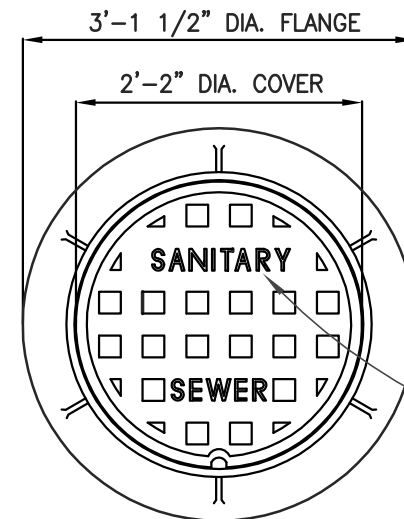


SECTIONAL PLAN

NOTE: PRECAST SECTIONS TO BE ASTM C478. COME TO BE CONCENTRIC. ALL TONGUE AND GROOVE JOINTS TO BE WIPED INSIDE AND OUT WITH EMBOCO CEMENT MORTAR. WATERPROOFING AT JOINTS TO BE BUTYL RESIN SEALANT.

SECTION A-A

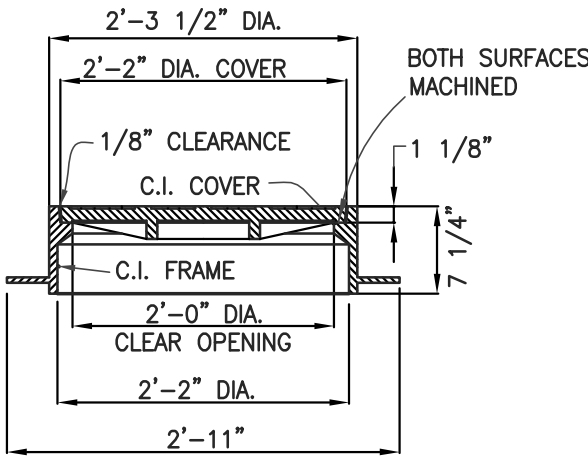
SECTION B-B



PLAN

DETAIL

SCALE: NONE



SECTIONAL ELEVATION

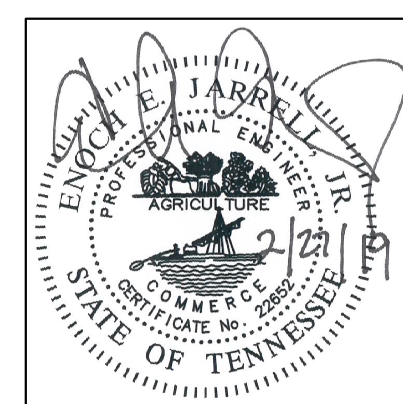
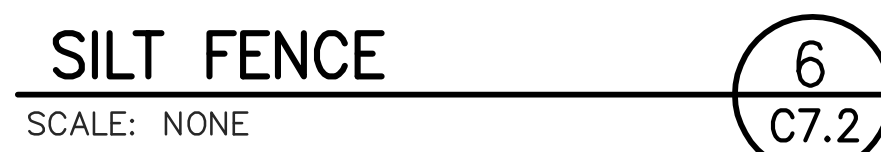
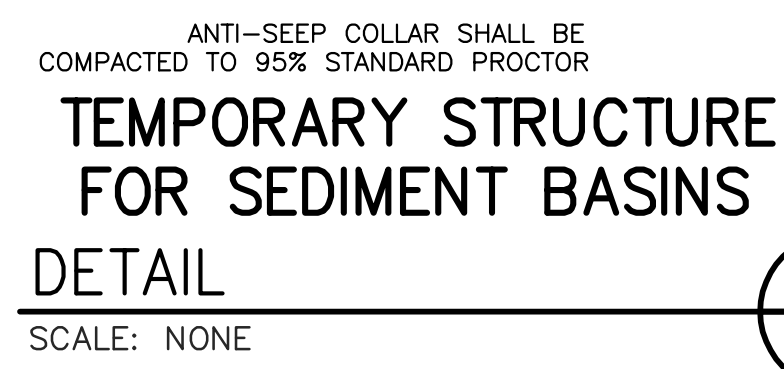
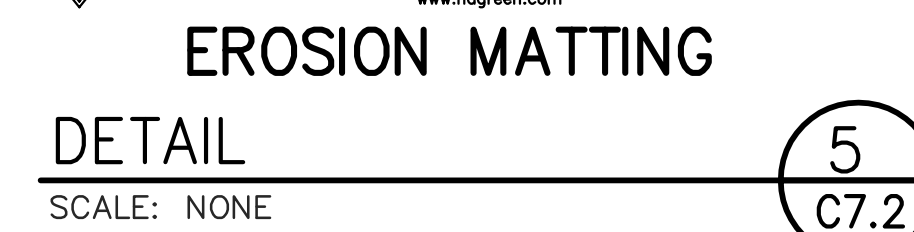
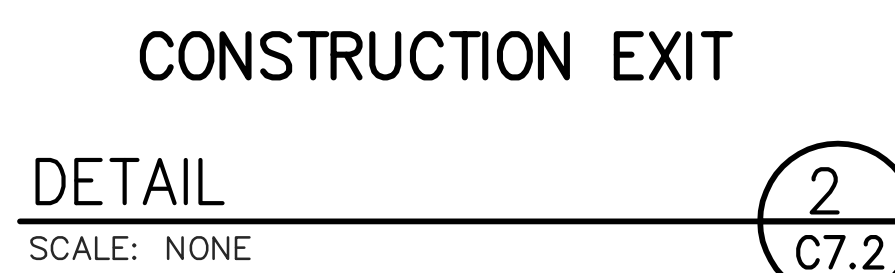
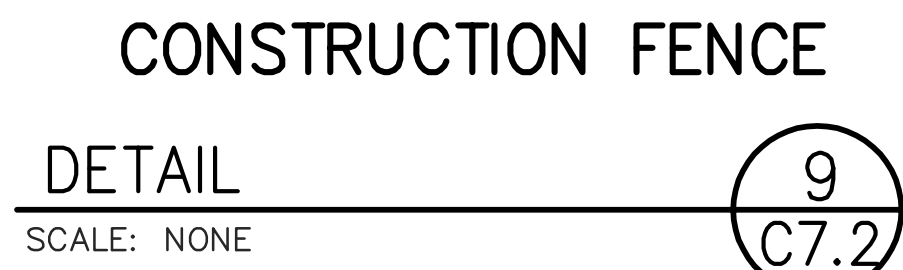
5
C7.1



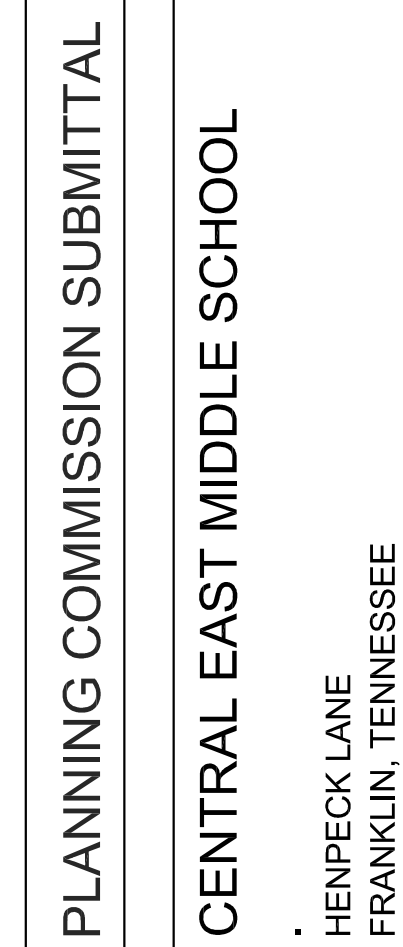
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REVISIONS

PROJECT NO. 1812
DATE 02/27/19
SHEET NO.



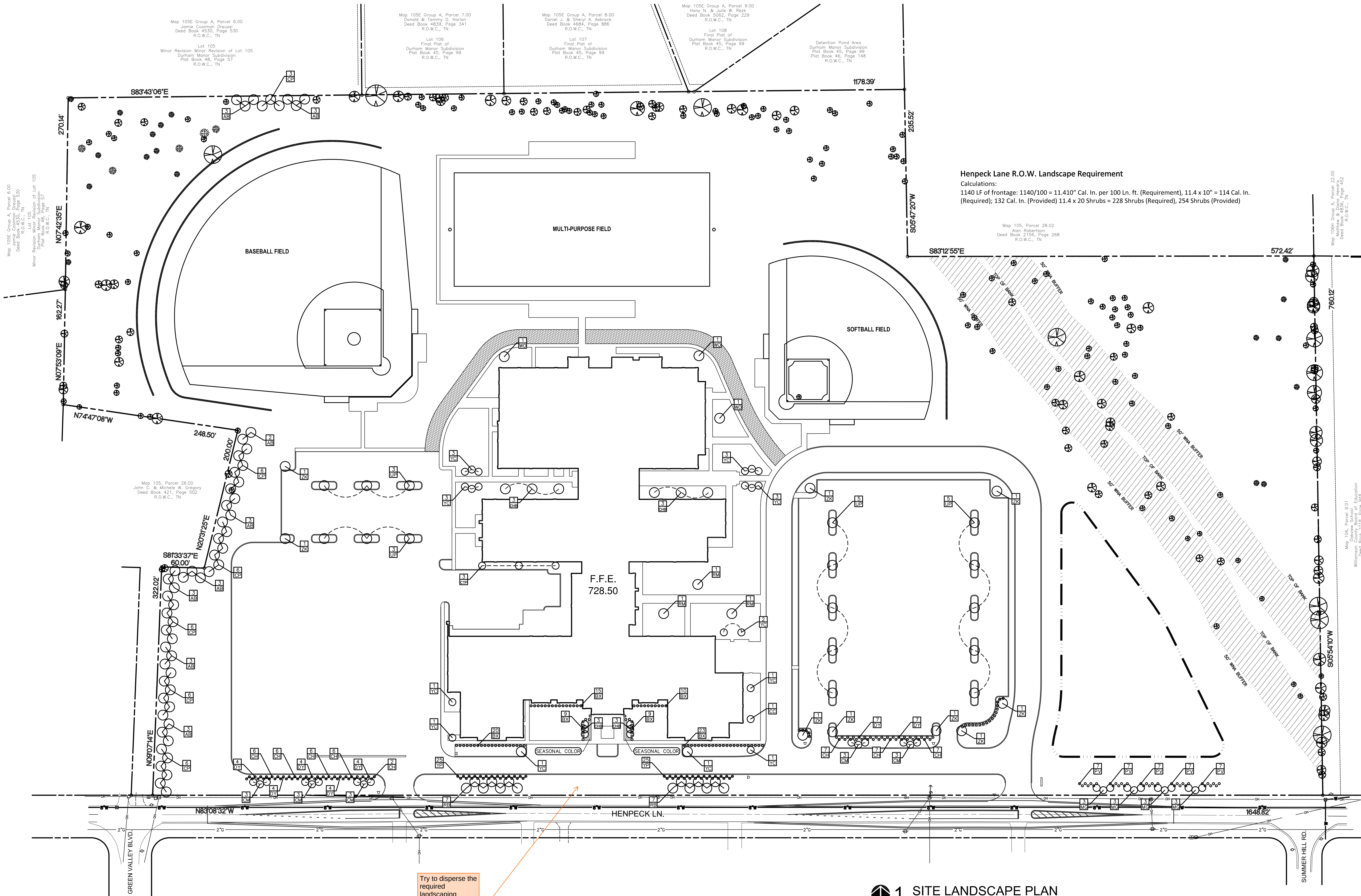
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REVISIONS	

PROJECT NO. 1812
DATE 02/27/19
SHEET NO.

C7.2



Henpeck Lane R.O.W. Landscape Requirement
Calculations:
1140 LF of frontage: 1140/100 = 11.410" Cal. In. per 100 Ln. ft. (Requirement), 11.4 x 10" = 114 Cal. In. (Required); 132 Cal. In. (Provided) 11.4 x 20 Shrubs = 228 Shrubs (Required), 254 Shrubs (Provided)

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REVISIONS

PROJECT NO.
1812
DATE
02/27/19
SHEET NO.

L1.0

LITEPAK SERIES LN3

Get # _____

Job _____

Type _____

Hubbell Outdoor Lighting

SPECIFICATIONS

Installation:

The reduced LN3 design is perfect for luminaire for safety, security and general lighting. Its rugged and easy design allows user defisher lighting during a typical mounting height of 12'. With this practicality, general lighting for parking lots, walkways, and other areas, long term reliability, low maintenance and low life cycle costs, make this luminaire well as an increased price point that is equal in price to other lighting fixtures. The design allows for easy installation in a wide range of temperatures.

Construction:

Cast aluminum housing protects components and provides an architectural appearance. Cast epoxy thermally conductive LED heat to optimize performance and life. Powder paint provides durability to outdoor environments. For 12" conductive heat sink and designed for surface mount.

Electrical:

- 120V/277, 347 and 480 Volts, 50/60 Hz
- 0.5W/1.0W/1.5W/2.0W/3.0W/4.0W/5.0W/6.0W/7.0W/8.0W/9.0W/10.0W/11.0W/12.0W/13.0W/14.0W/15.0W/16.0W/17.0W/18.0W/19.0W/20.0W/21.0W/22.0W/23.0W/24.0W/25.0W/26.0W/27.0W/28.0W/29.0W/30.0W/31.0W/32.0W/33.0W/34.0W/35.0W/36.0W/37.0W/38.0W/39.0W/40.0W/41.0W/42.0W/43.0W/44.0W/45.0W/46.0W/47.0W/48.0W/49.0W/50.0W/51.0W/52.0W/53.0W/54.0W/55.0W/56.0W/57.0W/58.0W/59.0W/60.0W/61.0W/62.0W/63.0W/64.0W/65.0W/66.0W/67.0W/68.0W/69.0W/70.0W/71.0W/72.0W/73.0W/74.0W/75.0W/76.0W/77.0W/78.0W/79.0W/80.0W/81.0W/82.0W/83.0W/84.0W/85.0W/86.0W/87.0W/88.0W/89.0W/90.0W/91.0W/92.0W/93.0W/94.0W/95.0W/96.0W/97.0W/98.0W/99.0W/100.0W/101.0W/102.0W/103.0W/104.0W/105.0W/106.0W/107.0W/108.0W/109.0W/110.0W/111.0W/112.0W/113.0W/114.0W/115.0W/116.0W/117.0W/118.0W/119.0W/120.0W/121.0W/122.0W/123.0W/124.0W/125.0W/126.0W/127.0W/128.0W/129.0W/130.0W/131.0W/132.0W/133.0W/134.0W/135.0W/136.0W/137.0W/138.0W/139.0W/140.0W/141.0W/142.0W/143.0W/144.0W/145.0W/146.0W/147.0W/148.0W/149.0W/150.0W/151.0W/152.0W/153.0W/154.0W/155.0W/156.0W/157.0W/158.0W/159.0W/160.0W/161.0W/162.0W/163.0W/164.0W/165.0W/166.0W/167.0W/168.0W/169.0W/170.0W/171.0W/172.0W/173.0W/174.0W/175.0W/176.0W/177.0W/178.0W/179.0W/180.0W/181.0W/182.0W/183.0W/184.0W/185.0W/186.0W/187.0W/188.0W/189.0W/190.0W/191.0W/192.0W/193.0W/194.0W/195.0W/196.0W/197.0W/198.0W/199.0W/200.0W/201.0W/202.0W/203.0W/204.0W/205.0W/206.0W/207.0W/208.0W/209.0W/210.0W/211.0W/212.0W/213.0W/214.0W/215.0W/216.0W/217.0W/218.0W/219.0W/220.0W/221.0W/222.0W/223.0W/224.0W/225.0W/226.0W/227.0W/228.0W/229.0W/230.0W/231.0W/232.0W/233.0W/234.0W/235.0W/236.0W/237.0W/238.0W/239.0W/240.0W/241.0W/242.0W/243.0W/244.0W/245.0W/246.0W/247.0W/248.0W/249.0W/250.0W/251.0W/252.0W/253.0W/254.0W/255.0W/256.0W/257.0W/258.0W/259.0W/260.0W/261.0W/262.0W/263.0W/264.0W/265.0W/266.0W/267.0W/268.0W/269.0W/270.0W/271.0W/272.0W/273.0W/274.0W/275.0W/276.0W/277.0W/278.0W/279.0W/280.0W/281.0W/282.0W/283.0W/284.0W/285.0W/286.0W/287.0W/288.0W/289.0W/290.0W/291.0W/292.0W/293.0W/294.0W/295.0W/296.0W/297.0W/298.0W/299.0W/300.0W/301.0W/302.0W/303.0W/304.0W/305.0W/306.0W/307.0W/308.0W/309.0W/310.0W/311.0W/312.0W/313.0W/314.0W/315.0W/316.0W/317.0W/318.0W/319.0W/320.0W/321.0W/322.0W/323.0W/324.0W/325.0W/326.0W/327.0W/328.0W/329.0W/330.0W/331.0W/332.0W/333.0W/334.0W/335.0W/336.0W/337.0W/338.0W/339.0W/340.0W/341.0W/342.0W/343.0W/344.0W/345.0W/346.0W/347.0W/348.0W/349.0W/350.0W/351.0W/352.0W/353.0W/354.0W/355.0W/356.0W/357.0W/358.0W/359.0W/360.0W/361.0W/362.0W/363.0W/364.0W/365.0W/366.0W/367.0W/368.0W/369.0W/370.0W/371.0W/372.0W/373.0W/374.0W/375.0W/376.0W/377.0W/378.0W/379.0W/380.0W/381.0W/382.0W/383.0W/384.0W/385.0W/386.0W/387.0W/388.0W/389.0W/390.0W/391.0W/392.0W/393.0W/394.0W/395.0W/396.0W/397.0W/398.0W/399.0W/400.0W/401.0W/402.0W/403.0W/404.0W/405.0W/406.0W/407.0W/408.0W/409.0W/410.0W/411.0W/412.0W/413.0W/414.0W/415.0W/416.0W/417.0W/418.0W/419.0W/420.0W/421.0W/422.0W/423.0W/424.0W/425.0W/426.0W/427.0W/428.0W/429.0W/430.0W/431.0W/432.0W/433.0W/434.0W/435.0W/436.0W/437.0W/438.0W/439.0W/440.0W/441.0W/442.0W/443.0W/444.0W/445.0W/446.0W/447.0W/448.0W/449.0W/450.0W/451.0W/452.0W/453.0W/454.0W/455.0W/456.0W/457.0W/458.0W/459.0W/460.0W/461.0W/462.0W/463.0W/464.0W/465.0W/466.0W/467.0W/468.0W/469.0W/470.0W/471.0W/472.0W/473.0W/474.0W/475.0W/476.0W/477.0W/478.0W/479.0W/480.0W/481.0W/482.0W/483.0W/484.0W/485.0W/486.0W/487.0W/488.0W/489.0W/490.0W/491.0W/492.0W/493.0W/494.0W/495.0W/496.0W/497.0W/498.0W/499.0W/500.0W/501.0W/502.0W/503.0W/504.0W/505.0W/506.0W/507.0W/508.0W/509.0W/510.0W/511.0W/512.0W/513.0W/514.0W/515.0W/516.0W/517.0W/518.0W/519.0W/520.0W/521.0W/522.0W/523.0W/524.0W/525.0W/526.0W/527.0W/528.0W/529.0W/530.0W/531.

ASL LED SERIES

AREA/ SITE/ ROAD LIGHTER

ASL

Jan

Type

ASL

Jan

**HUBBELL
Outdoor Lighting**

SPECIFICATIONS

Construction:

- Slightly vertically formed die-cast and extruded aluminum for maximum heat dissipation
- Separate optical and electrical components for improved thermal management and optimum component operation

- EPA... 8L... 16L... 24L... 36L... 48L... 72L... 96L... 120L... 144L... 168L... 192L... 216L... 240L... 264L... 288L... 312L... 336L... 360L... 384L... 408L... 432L... 456L... 480L... 504L... 528L... 552L... 576L... 600L... 624L... 648L... 672L... 696L... 720L... 744L... 768L... 792L... 816L... 840L... 864L... 888L... 912L... 936L... 960L... 984L... 1008L... 1032L... 1056L... 1080L... 1104L... 1128L... 1152L... 1176L... 1200L... 1224L... 1248L... 1272L... 1296L... 1320L... 1344L... 1368L... 1392L... 1416L... 1440L... 1464L... 1488L... 1512L... 1536L... 1560L... 1584L... 1608L... 1632L... 1656L... 1680L... 1704L... 1728L... 1752L... 1776L... 1800L... 1824L... 1848L... 1872L... 1896L... 1920L... 1944L... 1968L... 1992L... 2016L... 2040L... 2064L... 2088L... 2112L... 2136L... 2160L... 2184L... 2208L... 2232L... 2256L... 2280L... 2304L... 2328L... 2352L... 2376L... 2400L... 2424L... 2448L... 2472L... 2496L... 2520L... 2544L... 2568L... 2592L... 2616L... 2640L... 2664L... 2688L... 2712L... 2736L... 2760L... 2784L... 2808L... 2832L... 2856L... 2880L... 2904L... 2928L... 2952L... 2976L... 3000L... 3024L... 3048L... 3072L... 3096L... 3120L... 3144L... 3168L... 3192L... 3216L... 3240L... 3264L... 3288L... 3312L... 3336L... 3360L... 3384L... 3408L... 3432L... 3456L... 3480L... 3504L... 3528L... 3552L... 3576L... 3600L... 3624L... 3648L... 3672L... 3696L... 3720L... 3744L... 3768L... 3792L... 3816L... 3840L... 3864L... 3888L... 3912L... 3936L... 3960L... 3984L... 4008L... 4032L... 4056L... 4080L... 4104L... 4128L... 4152L... 4176L... 4200L... 4224L... 4248L... 4272L... 4296L... 4320L... 4344L... 4368L... 4392L... 4416L... 4440L... 4464L... 4488L... 4512L... 4536L... 4560L... 4584L... 4608L... 4632L... 4656L... 4680L... 4704L... 4728L... 4752L... 4776L... 4800L... 4824L... 4848L... 4872L... 4896L... 4920L... 4944L... 4968L... 4992L... 5016L... 5040L... 5064L... 5088L... 5112L... 5136L... 5160L... 5184L... 5208L... 5232L... 5256L... 5280L... 5304L... 5328L... 5352L... 5376L... 5400L... 5424L... 5448L... 5472L... 5496L... 5520L... 5544L... 5568L... 5592L... 5616L... 5640L... 5664L... 5688L... 5712L... 5736L... 5760L... 5784L... 5808L... 5832L... 5856L... 5880L... 5904L... 5928L... 5952L... 5976L... 6000L... 6024L... 6048L... 6072L... 6096L... 6120L... 6144L... 6168L... 6192L... 6216L... 6240L... 6264L... 6288L... 6312L... 6336L... 6360L... 6384L... 6408L... 6432L... 6456L... 6480L... 6504L... 6528L... 6552L... 6576L... 6600L... 6624L... 6648L... 6672L... 6696L... 6720L... 6744L... 6768L... 6792L... 6816L... 6840L... 6864L... 6888L... 6912L... 6936L... 6960L... 6984L... 7008L... 7032L... 7056L... 7080L... 7104L... 7128L... 7152L... 7176L... 7200L... 7224L... 7248L... 7272L... 7296L... 7320L... 7344L... 7368L... 7392L... 7416L... 7440L... 7464L... 7488L... 7512L... 7536L... 7560L... 7584L... 7608L... 7632L... 7656L... 7680L... 7704L... 7728L... 7752L... 7776L... 7800L... 7824L... 7848L... 7872L... 7896L... 7920L... 7944L... 7968L... 7992L... 8016L... 8040L... 8064L... 8088L... 8112L... 8136L... 8160L... 8184L... 8208L... 8232L... 8256L... 8280L... 8304L... 8328L... 8352L... 8376L... 8400L... 8424L... 8448L... 8472L... 8496L... 8520L... 8544L... 8568L... 8592L... 8616L... 8640L... 8664L... 8688L... 8712L... 8736L... 8760L... 8784L... 8808L... 8832L... 8856L... 8880L... 8904L... 8928L... 8952L... 8976L... 9000L... 9024L... 9048L... 9072L... 9096L... 9120L... 9144L... 9168L... 9192L... 9216L... 9240L... 9264L... 9288L... 9312L... 9336L... 9360L... 9384L... 9408L... 9432L... 9456L... 9480L... 9504L... 9528L... 9552L... 9576L... 9600L... 9624L... 9648L... 9672L... 9696L... 9720L... 9744L... 9768L... 9792L... 9816L... 9840L... 9864L... 9888L... 9912L... 9936L... 9960L... 9984L... 10008L... 10032L... 10056L... 10080L... 10104L... 10128L... 10152L... 10176L... 10200L... 10224L... 10248L... 10272L... 10296L... 10320L... 10344L... 10368L... 10392L... 10416L... 10440L... 10464L... 10488L... 10512L... 10536L... 10560L... 10584L... 10608L... 10632L... 10656L... 10680L... 10704L... 10728L... 10752L... 10776L... 10800L... 10824L... 10848L... 10872L... 10896L... 10920L... 10944L... 10968L... 10992L... 11016L... 11040L... 11064L... 11088L... 11112L... 11136L... 11160L... 11184L... 11208L... 11232L... 11256L... 11280L... 11304L... 11328L... 11352L... 11376L... 11400L... 11424L... 11448L... 11472L... 11496L... 11520L... 11544L... 11568L... 11592L... 11616L... 11640L... 11664L... 11688L... 11712L... 11736L... 11760L... 11784L... 11808L... 11832L... 11856L... 11880L... 11904L... 11928L... 11952L... 11976L... 12000L... 12024L... 12048L... 12072L... 120

ORDERING INFORMATION

ORDERING EXAMPLE: ASL-A-24LAK-210-4-0-0B

ASL	ARMING	4 LENS	CCF	DRIVE CURRENT	DISTRIBUTION	VOLTAGE	COLOR	OPTIONS
ASL Series	A Arm MAF Mast Arms Filter	BL High brightness LEDs 16L 16 High brightness LEDs 24L 24 High brightness LEDs	3K 3000K, 70 CR 4K 4000K, 70 CR 210 21000mA		2 85 TYPE I 4 85 TYPE II 4 85 TYPE IV 5 85 TYPE V	0 Universal 1 120 2 28V 3 24V 4 27V	BL Black DB Dark Bronze GR Gray PS Platinum Silver WH White CC Custom Color	F Facing lights specified and de- termined by voltage input 7 pin dual in-line lock mount receptacle Round pin socket Plastic with 3, 4, 5 or 6 indicator pins SCVP

1 - Control battery (not minimum order quantity)
2 - 7 pin DB-25 or -2111 receptacle for
use with required 7 pin cable
3 - 7 pin DB-25 or -2111 receptacle for
use with required 7 pin cable
4 - ASL C-16 6 pin external antenna
cable (does not fit with external
receptacle/cable override)

1 - Control battery (not minimum order quantity) 2 - 7 pin DB-25 or -2111 receptacle for use with required 7 pin cable 3 - 7 pin DB-25 or -2111 receptacle for use with required 7 pin cable 4 - ASL C-16 6 pin external antenna cable (does not fit with external receptacle/cable override)	Programmed motion sensor with sensing control line voltage input and for use with 78R receptacle option and optional remote control (does not fit with remote control option) ASL remote control required for configuration. Wire line with motion de- tection input lead to 3.5 V terminal (warning: never exceeds 5V, unless terminal block)
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ACCESSORIES - Order Separately

Category Number	Description
ASL-MAF	Mast arms kit with wide-angle bracket for mounting up to 30" OD arms
RAIA-X1	Round arm kit for 30" OD arms. Requires ASL-MAF accessory kit for finished configuration.
SCP-REMOTE	Remote control for SCVP option. Order at least one per project to program and control.
CR-RP-A1	Round pin receptacle are available for 3, 4, 5, and 6 pin and custom design pins. Requires universal mounting block option.
WR-CR-X1	Wall bracket. Requires universal mounting block option.
FT-L	Photocontrol - hard-wired lock (220V) - Requires FT-L option.
PR-L	Photocontrol - hard-wired lock (120-277V) - Requires PR-L option.
PS-L	Photocontrol - hard-wired lock (120-277V) - Requires PR-L option.
ASL-BL-LS	Type 2, 3 lenses included
ASL-BL-LS	Type 2, 3 lenses included
ASL-BL-LS	Type 2, 3 lenses included
ASL-BL-LS	Type 2, 3 lenses included

ASL-MAF installed

ASL-MAF - Fits 2-30" OD arms

Product	Number of Kits	Number of Lenses
ASL-BL	2	4
ASL-BL	3	6

Wall Mount Accessory

WR-CR-X1 wall mount bracket
designed for building mount
applications.

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Outdoor Lighting

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PERFORMANCE DATA

K OF LEDS	DRIVE CURRENT	EFFECTIVE WATTS	DIST. TYPE	3K (5000K nominal, 70 CRI)				4K (5000K nominal, 70 CRI)				5K (5000K nominal, 80 CRI)						
				U _{IN}	V _{IN}	I _{IN}	P _{IN}	U _{IN}	V _{IN}	I _{IN}	P _{IN}	U _{IN}	V _{IN}	I _{IN}	P _{IN}			
8	62		2	6304	102	1	0	1	3775	93	1	0	1	3088	82	1	0	1
			3	6139	119	0	1	1	3624	97	1	0	1	2895	83	1	0	1
			4	6085	131	0	1	1	3572	93	0	1	1	2749	83	0	1	1
			5	6048	139	0	1	1	3524	96	0	1	1	2604	83	0	1	1
			6	5996	150	0	1	1	3480	93	0	1	1	2461	83	0	1	1
16	2100	123	3	12715	99	2	0	2	11153	91	2	0	2	10189	83	2	0	2
			4	12584	109	2	0	2	10869	93	2	0	2	9865	83	2	0	2
			5	12483	100	4	0	2	11253	97	4	0	2	10239	83	4	0	2
			6	12424	107	5	0	2	10869	93	5	0	2	10077	83	5	0	2
			7	11983	99	3	0	3	11634	90	3	0	3	10513	83	3	0	3
24	181		8	12887	100	2	0	2	10532	93	2	0	2	9865	83	2	0	2
			9	12802	100	4	0	2	10510	91	4	0	2	11587	84	4	0	2

1. Linear fixture to linear fixture comparison with 5000K 100° beam. Values are intended to be representative of the configuration shown. Actual performance may differ as a result of site use environment and application.

ELECTRICAL DATA

K OF LEDS	DRIVE CURRENT	EFFECTIVE WATTS	INPUT VOLTAGE (volts)	EFFECTIVE POWER (Watts)	CURRENT (Amper)
8			120	62	0.52
			240	62	0.52
			260	62	0.52
			277	62	0.52
			290	62	0.52
16	10(2100mA)		120	123	1.00
			240	123	1.00
			260	123	1.00
			277	123	1.00
			290	123	1.00
24			120	181	1.50
			240	181	1.50
			260	181	0.86
			277	181	0.86
			290	181	0.86

LUMINAIRE AMBIENT TEMPERATURE (AAT)

AMBIENT TEMPERATURE / AMBIENT HUMIDITY

°C	°F	REL. HUMIDITY
10°C	50°F	1.03
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
40°C	104°F	0.97
50°C	122°F	0.94

Use these factors to determine luminaire ambient temperature for average ambient temperatures from 0-40°C (32-104°F).

PROJECTED LUMEN MAINTENANCE

Ambient Temp	0	25,000 Hrs
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FIXTURE CUT SHEET - TYPE 'W'

FIXTURE CUT SHEET - TYPE 'P', 'P1', 'P2', 'P3' (PAGE 1)

FIXTURE CUT SHEET - TYPE 'P', 'P1', 'P2', 'P3' (PAGE 2)

FIXTURE CUT SHEET - TYPE 'P', 'P1', 'P2', 'P3' (PAGE 3)

Schedule										
Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Lumens Per Lamp	Light Loss Factor	Wattage
	P	6	Hubbell Outdoor	ASL-24L-4K-210-2	ASL Area/Site Lighter	24 High Brightness LEDs - 4000K - 70 CRI	1	19095	1	169
	P1	2	Hubbell Outdoor	ASL-24L-4K-210-3	ASL Area/Site Lighter	24 High Brightness LEDs - 4000K - 70 CRI	1	18595	1	169
	P2	7	Hubbell Outdoor	ASL-24L-4K-210-5	ASL Area/Site Lighter	24 High Brightness LEDs - 4000K - 70 CRI	1	18761	1	169
	P3	10	Hubbell Outdoor	ASL-24L-4K-210-5	ASL Area/Site Lighter	24 High Brightness LEDs - 4000K - 70 CRI	1	18761	1	338
	W	34	HUBBELL OUTDOOR	LNC3-24L5K-075-3	Medium LNC3 Litepak	C-70-CRI	1	5824	1	59.9

ALL POLE MOUNTED FIXTURES TO BE 32' ABOVE FINISHED GRADE. SECURITY WALL SCONCE 'W' TO BE AT 11' ABOVE FINISHED GRADE AT ALL LOCATIONS.

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Fire Lane	⌘	3.4 fc	9.4 fc	0.5 fc	18.8:1	6.8:1
Loading Zone - High	+	7.2 fc	11.7 fc	3.1 fc	3.8:1	2.3:1
Loading Zone - Low	+	3.9 fc	11.1 fc	0.1 fc	111.0:1	39.0:1
Parking Lot	⌘	1.4 fc	8.7 fc	0.1 fc	87.0:1	14.0:1
Property	+	0.6 fc	15.2 fc	0.0 fc	N/A	N/A

[illegible]

PHOTOMETRICS For additional photometric information and IES downloads, visit our web site at www.hubbelloutdoor.com

ASL-18-SK Type V

ASL-18-SK Type IV

ASL-18-SK Type II

ASL-24-SK Type II

ARM/MOUNTING BLOCK
Fixture ships with universal mounting block for ease of installation. Compatible with #2 drill pattern.

1/2" dia HX
#10-32x1 1/2"
#10-32x1 1/2" dia hole
2"x2" SLOT
5/8" SLOT

1 Attach mounting block to pole

2 Slide fixture on mounting block and secure with hardware

3 Secure mounting bracket door and brace bar

HUBBELL OUTDOOR LIGHTING

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