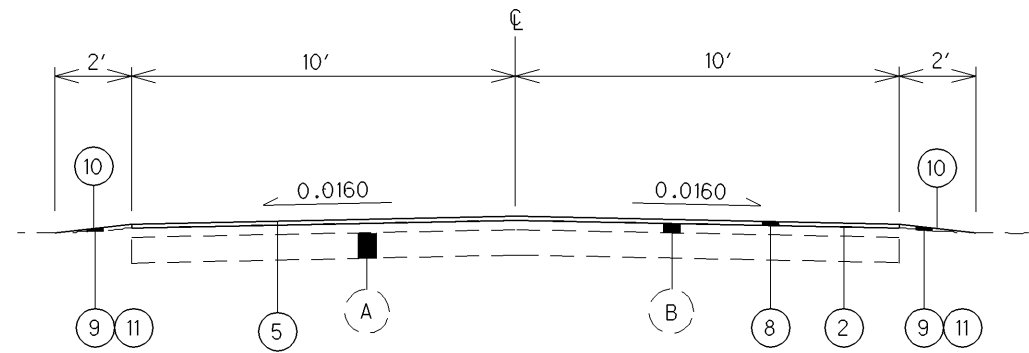
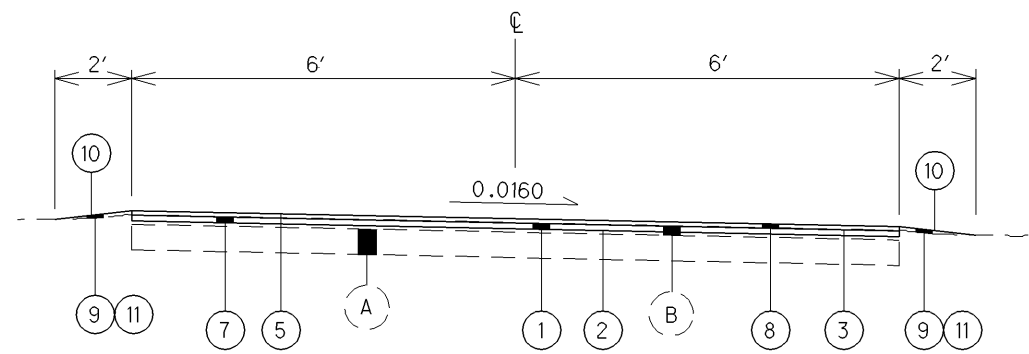


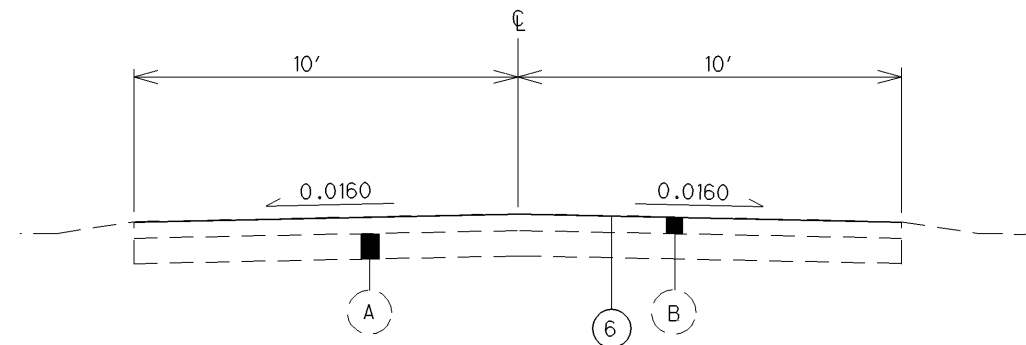
PROPOSED TYPICAL
 R-2, R-4, R-5, R-6, R-7, R-7C, R-8, R-12, R-20
 R-21, R-22A, R-22B, R-23, R-24, R-25, G-7



PROPOSED TYPICAL
 R-13, R-15



PROPOSED TYPICAL
 R-16



PROPOSED TYPICAL
 R-1, R-1A, R-1B, R-1L

EXISTING

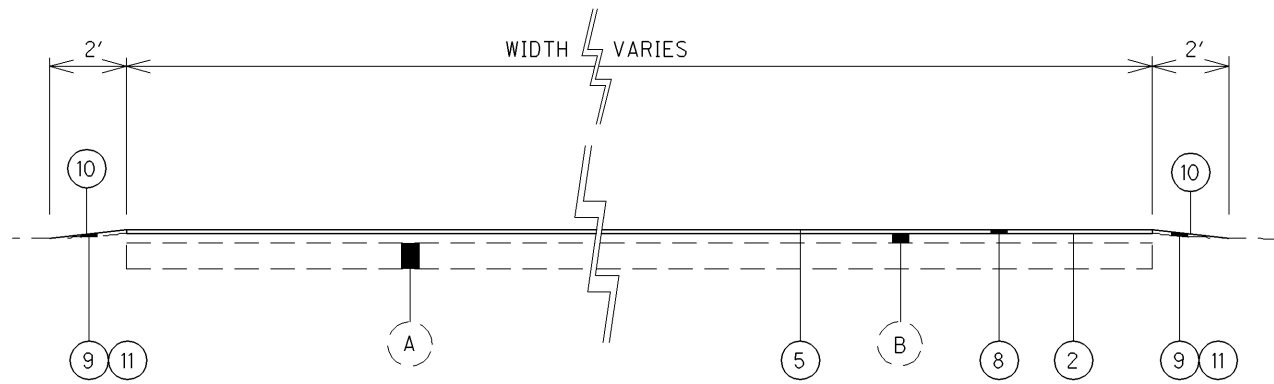
- (A) AGGREGATE BASE (8")
- (B) ASPHALT CONCRETE (3"-5"±)

PROPOSED

- (1) ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN (2")
- (2) ITEM 407 - TACK COAT
- (3) ITEM 407 - TACK COAT FOR INTERMEDIATE COURSE
- (4) ITEM 690 - MISC. : REPLAY
- (5) ITEM 690 - MISC. : RECLAIMITE
- (6) ITEM 423 - CRACKSEALING, TYPE I
- (7) ITEM 448 - 2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, PG 64-22
- (8) ITEM 448 - 1-1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG 64-22, AS PER PLAN
- (9) ITEM 653 - TOPSOIL FURNISHED AND PLACED
- (10) ITEM 659 - SEEDING AND MULCHING, CLASS 1
- (11) ITEM 209 - LINEAR GRADING

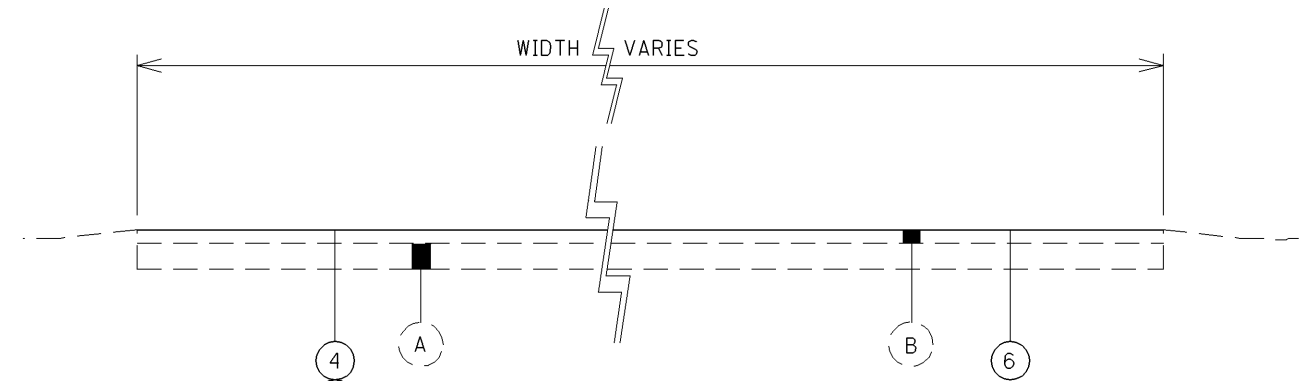
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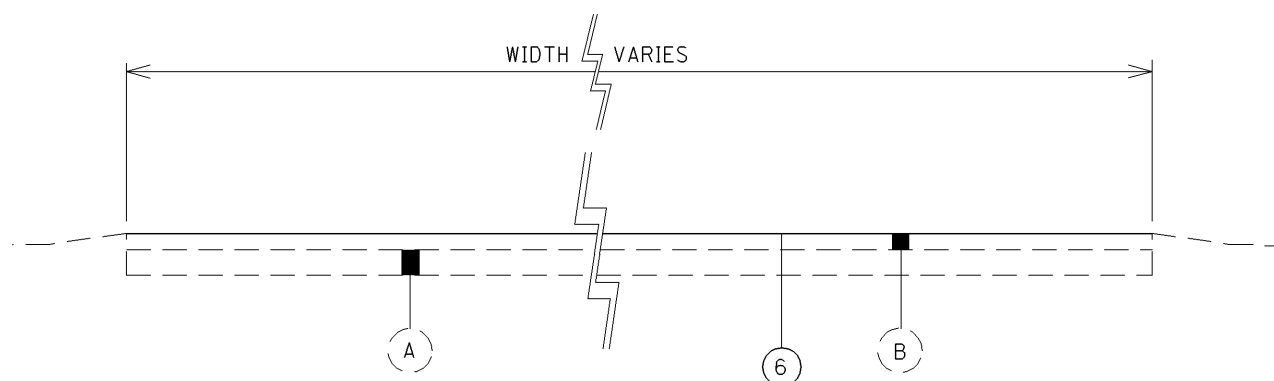
PROPOSED TYPICAL

R-14, R-14 TURNAROUND, C-1,
C-2, C-3, C-4, C-5, C-6, C-7



PROPOSED PARKING LOT

F-1, F-4, F-5, F-6, F-6A, F-7, F-8, F-11, F-12, F-13A, F-13B
F-14, F-15, F-16, F-17, G-1, G-2, G-3, G-4, G-5, G-6, G-8



PROPOSED PARKING LOT

F-2, F-3

TYPICAL SECTIONS

GEA-PUNDERSON
LAKE PARK

SEE SHEET 2 FOR LEGEND

GENERAL

PROJECT DESCRIPTION

THE PURPOSE OF THIS PROJECT IS TO SEAL, CRACKSEAL AND PAVE VARIOUS ROADS AND PARKING LOTS IN PUNDERSON LAKE PARK.

THIS PROJECT ALSO INVOLVES PAVEMENT MARKINGS AND MINOR DRAINAGE WORK.

RIGHT OF WAY

ALL WORK IS TO BE PERFORMED WITHIN THE EXISTING RIGHT OF WAY.

CONTINGENCY QUANTITIES

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK FOR ITEMS DESIGNATED BY PLAN NOTE TO BE USED "AS DIRECTED BY THE ENGINEER" UNLESS AUTHORIZED BY THE ENGINEER. THE ACTUAL WORK LOCATIONS AND QUANTITIES USED FOR SUCH ITEMS SHALL BE INCORPORATED INTO THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THIS PROJECT.

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. THE INSTALLATION AND OPERATION OF ALL TEMPORARY TRAFFIC CONTROL AND TEMPORARY TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS SHALL BE PROVIDED BY THE CONTRACTOR WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

COOPERATION AMONG CONTRACTORS

THE CONTRACTOR SHALL COOPERATE AND COORDINATE HIS/HER OPERATIONS WITH THE CONTRACTORS ON OTHER PROJECTS THAT MAY BE IN FORCE DURING THE LIFE OF THE CONTRACT. NO WAIVER OF ANY PROVISIONS OF 105.08 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS IS INTENDED.

EXISTING TYPICAL SECTIONS

EXISTING TYPICAL SECTIONS HAVE BEEN TAKEN FROM THE RECORDS AND ARE BELIEVED TO REPRESENT THE EXISTING PAVEMENT, BUT THE STATE DOES NOT GUARANTEE THE ACCURACY OF THE SECTION.

FOR FURTHER INFORMATION IN REGARD TO THE EXISTING TYPICAL SECTIONS, THE CONTRACTOR SHALL REFER TO THE PREVIOUS CONSTRUCTION PLANS.

THESE PLANS MAY BE REVIEWED AT:
OHIO DEPARTMENT OF TRANSPORTATION
DISTRICT 12 OFFICE
5500 TRANSPORTATION BOULEVARD
GARFIELD HEIGHTS, OHIO 44125

ITEM 619 - FIELD OFFICE, TYPE B, AS PER PLAN

A TYPE B FIELD OFFICE IS REQUIRED FOR THIS PROJECT. IN ADDITION TO THE REQUIREMENTS AS DESCRIBED IN ITEM 619 OF CMS, THE FIELD OFFICE SHALL ALSO INCLUDE BROADBAND (CABLE OR DSL) INTERNET ACCESS.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 619 - FIELD OFFICE, TYPE B, AS PER PLAN . . . 2 MONTH

UTILITIES

THE FOLLOWING UTILITIES AND OWNERS ARE LOCATED WITHIN THE WORK LIMITS OF THIS PROJECT. THE OHIO DEPARTMENT OF TRANSPORTATION HAS USED THE BEST AVAILABLE INFORMATION TO DETERMINE THE UTILITY COMPANIES SERVING THIS AREA, BUT CANNOT GUARANTEE THE UTILITY COMPANY LIST IS COMPLETE.

AT&T
13630 LORAIN AVE. - 4TH FLOOR
CLEVELAND, OHIO 44111
PHONE: (216) 476-6142

DRAINAGE AND EROSION CONTROL

ITEM 603 - 15" CONDUIT, TYPE B, AS PER PLAN

THE FOLLOWING MATERIALS CAN BE USED FOR THIS ITEM.

15" 707.33

CASTINGS ADJUSTED TO GRADE

ALL CASTINGS SHALL BE ADJUSTED TO THE FINISHED ROADWAY ELEVATION BY THE CONTRACTOR. THE TIME BETWEEN ADJUSTING THE CASTINGS AND RESURFACING SHALL BE KEPT TO AN ABSOLUTE MINIMUM. NO ADJUSTING RINGS SHALL BE PERMITTED. WHEN PERFORMING THIS WORK, THE PAVEMENT SHALL BE SAWCUT PRIOR TO REMOVAL AND HOOKBOLTS SHALL BE USED WHERE PRACTICAL TO CONNECT EXISTING PAVEMENT TO NEW CONCRETE. THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY:

- ITEM 604 - MANHOLE ADJUSTED TO GRADE,
AS PER PLAN 6 EA.
- ITEM 604 - CATCH BASIN ADJUSTED TO GRADE,
AS PER PLAN 2 EA.
- ITEM 638 - VALVE BOX ADJUSTED TO GRADE,
AS PER PLAN 5 EA.

PAVEMENT

ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN

THIS ITEM SHALL BE USED TO REMOVE THE EXISTING ASPHALT OVERLAY ON ROADWAY R-16 FULL WIDTH TO A DEPTH OF (2") TWO INCHES. AREAS WHICH HAVE TRANSVERSE WEDGES (BUTT JOINTS) ARE TO BE REMOVED IN TWO PASSES AS REQUIRED FOR MAINTAINING TRAFFIC. NO ADDITIONAL PAYMENT SHALL BE MADE FOR THE SECOND PASS.

ITEM 448 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG64-22, AS PER PLAN

THIS ASPHALT SHALL BE DESIGNED FOR LIGHT TRAFFIC.

THE COARSE AGGREGATE FOR THIS ITEM SHALL BE LIMITED TO AIR-COOLED BLAST FURNACE SLAG, LIMESTONE, OR A 50/50 BLEND OF AIR-COOLED BLAST FURNACE SLAG AND LIMESTONE.

ITEM 407 - TACK COAT

THE RATE OF APPLICATION OF THE 407 - TACK COAT SHALL BE SUBJECT TO ADJUSTMENTS, AS DIRECTED BY THE ENGINEER. PLAN QUANTITIES INDICATE AN AVERAGE APPLICATION RATE OF 0.10 GAL/SQ.YD. FOR ESTIMATION PURPOSES ONLY.

ITEM 407 - TACK COAT FOR INTERMEDIATE COURSE

THE RATE OF APPLICATION OF THE 407 - TACK COAT FOR INTERMEDIATE COURSE SHALL BE SUBJECT TO ADJUSTMENTS, AS DIRECTED BY THE ENGINEER. PLAN QUANTITIES INDICATE AN AVERAGE APPLICATION RATE OF 0.05 GAL/SQ.YD. FOR ESTIMATION PURPOSES ONLY.

ITEM 209 - LINEAR GRADING

THIS ITEM SHALL CONSIST OF EXCAVATING TOPSOIL, AGGREGATE AND SOIL AREAS THAT ARE HIGHER THAN THE ROADWAY ADJACENT TO THE ROADWAY.

ALL COLLECTED DEBRIS AND TOPSOIL, INCLUDING RHIZOMS, ROOTS AND OTHER VEGETATIVE PLANT MATERIAL SHALL BE REMOVED AND DISPOSED OF AS SPECIFIED IN SECTION 203.05 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS.

ALL EQUIPMENT, MATERIALS, AND LABOR REQUIRED TO PERFORM THE WORK OUTLINED ABOVE SHALL BE INCLUDED FOR PAYMENT UNDER ITEM 209 - LINEAR GRADING.

PERMANENT PAVEMENT MARKINGS

THE CABIN AREA PAVEMENT MARKING LAYOUT SHALL BE APPROVED BY THE OHIO DEPARTMENT OF NATURAL RESOURCES PRIOR TO PLACING PERMANENT MARKINGS.

PRIOR TO CRACKSEALING THE PAVEMENT, THE CONTRACTOR SHALL FIELD SURVEY THE LOCATIONS OF THE EXISTING PAVEMENT MARKINGS WITHIN THE PROJECT LIMITS FOR THE PLACEMENT OF THE PROPOSED FINAL PAVEMENT MARKINGS. A COPY OF THIS SURVEY SHALL BE GIVEN TO THE PROJECT ENGINEER. ALL COSTS ASSOCIATED WITH THIS SURVEY SHALL BE INCLUDED IN THE UNIT BID PRICE FOR EACH 642 ITEM.

ITEM SPECIAL - PARKING BLOCK REMOVED

THIS ITEM SHALL CONSIST OF ALL LABOR, MATERIALS, TOOLS AND EQUIPMENT NECESSARY TO REMOVE AND DISPOSE OF THE SPECIFIED PARKING BLOCKS.

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GENERAL NOTES

GEA-PUNDERSON LAKE PARK

PAVEMENT (CONT.)

ITEM 690 - SPECIAL - MISC.: RECLAMITE

THIS WORK SHALL CONSIST OF FURNISHING ALL LABOR, MATERIAL, AND EQUIPMENT NECESSARY TO PERFORM ALL OPERATIONS FOR THE APPLICATION OF AN ASPHALT REJUVENATOR SEAL TO ASPHALTIC CONCRETE SURFACE COURSES. THE REJUVENATION OF SURFACE COURSES SHALL BE BY SPRAY APPLICATION OF A CATIONIC REJUVENATING AGENT COMPOSED OF PETROLEUM OILS AND RESINS EMULSIFIED WITH WATER.

THIS ITEM OF WORK SHALL UTILIZE RECLAMITE, MANUFACTURED BY GOLDEN BEAR OIL, A DIVISION OF TRICOR REFINING, LLC.

THE TEMPERATURE OF THE ASPHALT REJUVENATOR SEAL AT THE TIME OF APPLICATION SHALL BE AS RECOMMENDED BY THE MANUFACTURER. THE ASPHALT REJUVENATOR SEAL SHALL BE APPLIED ONLY WHEN THE EXISTING SURFACE TO BE TREATED IS THOROUGHLY DRY AND WHEN IT IS NOT THREATENING TO RAIN.

THE ASPHALT REJUVENATING AGENT SHALL BE APPLIED BY A DISTRIBUTOR TRUCK AT THE TEMPERATURE AND DILUTION RATE RECOMMENDED BY THE MANUFACTURER AND AT THE PRESSURE REQUIRED FOR THE PROPER DISTRIBUTION.

WHEN APPLICATION IS MADE UNDER TRAFFIC AND/OR A PREVIOUSLY CLOSED ROAD MUST BE OPENED TO TRAFFIC AND IN THE OPINION OF THE ENGINEER A HAZARD EXISTS, A LIGHT COATING OF DRY, GRITTY SAND SHALL BE APPLIED TO THE SURFACE IN SUFFICIENT AMOUNT TO PROTECT THE TRAVELING PUBLIC.

THE APPLICATION RATE CAN VARY FROM 0.04 TO 0.08 GALLONS PER SQUARE YARD. PLAN QUANTITIES INDICATE AN AVERAGE APPLICATION RATE OF 0.06 GALLONS PER SQUARE YARE. THE OPTIMUM APPLICATION RATE SHALL BE DETERMINED BY THE PROJECT ENGINEER AT THE TIME OF PLACEMENT BASED ON FIELD CONDITIONS.

ALL LABOR, MATERIALS, SAND AND EQUIPMENT NECESSARY TO COMPLETE THE WORK ABOVE AS SPECIFIED SHALL BE INCLUDED IN THE GALLON UNIT PRICE FOR ITEM 690 - SPECIAL - MISC.: RECLAMITE.

ITEM 690 - SPECIAL - MISC.: REPLAY

THIS ITEM OF WORK SHALL UTILIZE REPLAY, MANUFACTURED BY BIOSPAN TECHNOLOGIES, INC.

THIS ITEM SHALL BE APPLIED PER THE MANUFACTURER'S RECOMMENDATIONS.

THIS PRODUCT DOES NOT REQUIRE SANDING AFTER APPLICATION.

THE APPLICATION RATE CAN VARY FROM 0.010 TO 0.020 GALLONS PER SQUARE YARD. PLAN QUANTITIES INDICATE AN AVERAGE APPLICATION RATE OF 0.015 GALLONS PER SQUARE YARD. THE OPTIMUM APPLICATION RATE SHALL BE DETERMINED BY THE PROJECT ENGINEER AT THE TIME OF PLACEMENT BASED ON FIELD CONDITIONS.

ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO COMPLETE THE WORK ABOVE AS SPECIFIED SHALL BE INCLUDED IN THE GALLON UNIT PRICE FOR ITEM 690 - SPECIAL - MISC.: REPLAY.

REPLAY PAVEMENT SEALANT

THE AREAS DESIGNATED FOR APPLICATION OF REPLAY ARE R-2 AND F-7.

THE QUANTITY ESTIMATED FOR R-2 SHALL BE APPLIED TO ONE LANE. THE ADJACENT LANE WILL BE SEALED WITH RECLAMITE.

THE QUANTITY ESTIMATED FOR F-7 SHALL BE APPLIED TO ONE COMPLETE PARKING LOT. THE ADJACENT PARKING LOTS WILL BE SEALED WITH RECLAMITE.

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GENERAL NOTES

GEA-PUNDERSON
LAKE PARK

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MAINTENANCE OF TRAFFIC

ITEM 614 - MAINTAINING TRAFFIC

GENERALLY THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS AS TO MAKE THE PROPOSED REPAIR WITH A MINIMUM OF HAZARD DELAY AND INCONVENIENCE TO THE MOTORISTS USING THE HIGHWAY AFFECTED BY THE WORK DONE UNDER THIS CONTRACT:

FURTHERMORE, IN ADDITION TO THE CONSTRUCTION AND MATERIAL SPECIFICATIONS, THE FOLLOWING SPECIFIC PROVISIONS ARE MANDATORY.

I. NOTIFICATION

SINCE FUNCTIONAL TRAFFIC CONTROL IS A MAJOR CONCERN ON THIS PROJECT, IT IS ESSENTIAL THAT THE MOTORING PUBLIC BE ADEQUATELY FOREWARNED OF FUTURE LANE CLOSURES AND TRAFFIC CONSTRUCTIONS. THEREFORE, THE CONTRACTOR SHALL SUBMIT A WRITTEN SCHEDULE TO THE ENGINEER, THE PUNDERSON PARK MANAGER (NICK FISCHBACH), RESPONSIBLE LAW ENFORCEMENT AGENCIES, AND THE ODOT-DISTRICT 12-PUBLIC INFORMATION OFFICE (216-584-2007) INDICATING THE LOCATIONS AND DATES OF THE LANE CLOSURES AT LEAST 3 DAYS PRIOR TO THE IMPLEMENTATION OF ANY SUCH CLOSURES.

II. NIGHTTIME WORK (THE HOURS FROM SUNSET TO SUNRISE

8:00 PM - 7:00 AM)

NIGHTTIME WORK IS NOT PERMITTED.

III. RESTRICTIONS

1. ALL CLOSURES SHALL BE IN ACCORDANCE WITH THE APPLICABLE STANDARD CONSTRUCTION DRAWING(S).
2. ALL THROUGH TRAFFIC LANES SHALL BE KEPT OPEN AT ALL TIMES EXCEPT DURING HOURS OF CONSTRUCTION.
3. PEDESTRIAN TRAFFIC SHALL BE PERMITTED AND ACCOMMODATED ON AT LEAST ONE SIDE AT ALL TIMES.
4. NO WEEKEND WORK IS PERMITTED (FROM 12:00 NOON FRIDAY TO 8:00 AM MONDAY MORNING)

NOTWITHSTANDING THE ABOVE, NO LANE CLOSURES SHALL OCCUR DURING THE PERIOD BEGINNING AT 12:00 NOON ON THE DAY PRECEDING AND CONTINUING UNTIL NOON ON THE DAY FOLLOWING LEGAL HOLIDAYS AND HOLIDAY WEEKENDS SUCH AS MEMORIAL DAY, FOURTH OF JULY, AND LABOR DAY. FURTHERMORE, NO LANE CLOSURES SHALL BE IMPLEMENTED OR IN PLACE DURING INCREASED TRAFFIC VOLUMES CAUSED BY SPECIAL EVENTS OR WHEN THE ENGINEER DEEMS THE CLIMATOLOGICAL CONDITIONS TOO HAZARDOUS.

IV. MAINTENANCE OF TRAFFIC SYSTEMS

A. WHEN REQUIRED

WHENEVER ANY PART OF THE TRAVELED SURFACE IS BEING WORKED UPON OR IS OTHERWISE NOT SUITABLE FOR SAFE AND CONVENIENT USE BY VEHICLES, TRAFFIC CONTROL DEVICES SUFFICIENT TO PROTECT SUCH AREAS TO ASSURE THE SAFE AND CONVENIENT PASSAGE OF VEHICULAR TRAFFIC SHALL BE INSTALLED AND MAINTAINED. SUCH TRAFFIC CONTROL DEVICES AND THE MANNER IN WHICH THEY ARE USED SHALL BE CONSISTENT WITH THESE PLANS AND THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, HERINAFTER REFERED TO AS THE "MANUAL". THE TRAFFIC CONTROL DEVICE SYSTEM SHALL

CONSTITUTE THE MINIMUM PROVISIONS FOR TRAFFIC CONTROL FOR EACH PARTICULAR SITUATION. WHENEVER THE ENGINEER DEEMS IT NECESSARY ESPECIALLY WHERE A GRADE, CURVE, OR MERGE CONDITIONS EXISTS, HE MAY DIRECT THAT ADDITIONAL OR ALTERNATIVE DEVICES BE USED.

B. CONDITIONS

DURING ALL PARTS OF THIS PROJECT, FLAGGERS, SIGNING, BARRICADES, FLASHING ARROWS, ETC. SHALL BE LOCATED AS INDICATED IN THE MANUAL OR AS SHOWN IN THE STANDARD DRAWINGS. TWO-WAY TRAFFIC SHALL BE MAINTAINED ON ONE LANE AT LEAST 10' WIDE AT ALL TIMES.

C. ADVANCE WARNING SIGNS

ALL ADVANCE WARNING SIGNS FOR ANY CONDITION WHICH RESTRICTS TRAFFIC SHALL BE ERECTED BEFORE ANY SUCH RESTRICTION IS PUT INTO EFFECT. ALL SUCH SIGNS SHALL BE COVERED OR REMOVED FROM THE VIEW OF TRAFFIC WHENEVER THEY ARE NOT APPLICABLE.

D. FLAGGERS

AT LEAST TWO FLAGGERS ARE REQUIRED FOR EACH CLOSURE, THE CONTRACTOR SHALL FURNISH ADDITIONAL FLAGGERS AS DIRECTED BY THE ENGINEER.

E. PROTECTION OF PUBLIC

PERSONAL CARS SHALL NOT BE PARKED WITHIN THE R/W.

F. FAILURE TO COMPLY

IF THERE IS ANY FAILURE TO COMPLY WITH PROVISIONS FOR TRAFFIC CONTROL SET OUT IN THESE PLANS AND NOTES, OR WITH THE PROVISIONS OF THE "MANUAL", THE HIGHWAY IN THE VICINITY OF THE WORK AREA SHALL NOT BE CONSIDERED IN A CONDITION FOR THE SAFE AND CONVENIENT USE BY THE TRAVELING PUBLIC. ANY FAILURE TO KEEP THE HIGHWAY, IN THE VICINITY OF THE WORK AREA, IN A CONDITION FOR THE SAFE AND CONVENIENT USE BY THE TRAVELING PUBLIC SHALL BE CONSIDERED A BREACH OF THIS CONTRACT. WORK SHALL BE SUSPENDED UNTIL THE CONTRACTOR COMPLIES WITH THE PROVISIONS OF THE AFOREMENTIONED ITEMS.

V. MAINTENANCE OF TRAFFIC MATERIALS

A. SIGNS

SIGN DIMENSIONS AND SPECIFICATIONS, INCLUDING LETTER SIZES SHALL BE AS PROVIDED IN THE "MANUAL", OR IN DESIGN DRAWINGS PROVIDED BY THE DEPARTMENT OF TRANSPORTATION. THE SIGNS SHALL BE SUBJECT TO APPROVAL OF THE ENGINEER PRIOR TO THE START OF THE PROJECT.

B. SIGN SUPPORTS

SIGN SUPPORTS SHALL BE OF SUFFICIENT SIZE AND MASS AS TO FIRMLY SUPPORT THE SIGNS AT THE APPROPRIATE HEIGHT. SUPPORTS SHALL BE AS SHOWN ON THE STANDARD DRAWINGS.

C. FLASHING ARROWS

WHENEVER ANY PART OF THE TRAVELED SURFACE IS CLOSED, THE MOTORIST SHALL BE WARNED AND DIVERTED BY THE CONTRACTOR THROUGH THE USE OF ONE FLASHING ARROW BARRICADE FOR EACH LANE CLOSED. THE CONTRACTOR SHALL REFER TO STANDARD DRAWING MT-35.10 AND THE PROVISIONS SET FORTH IN THE "MANUAL" FOR ALL INFORMATION REGARDING FURNISHING, MAINTAINING, AND USE

OF FLASHING ARROW BARRICADES. PAYMENT FOR THE ABOVE SHALL BE INCLUDED IN THE LUMP SUM BID FOR ITEM 614 - MAINTAINING TRAFFIC.

D. DRUMS

DRUMS SHALL BE IN ACCORDANCE WITH PERTINENT SECTIONS OF THE "MANUAL". ALL COSTS FOR INSTALLING, MAINTAINING AND SUBSEQUENT REMOVAL OF SAID DRUMS SHALL BE INCLUDED IN THE LUMP SUM BID PRICE FOR ITEM 614 - MAINTAINING TRAFFIC.

E. CONES

CONES, IF UTILIZED, SHALL BE LOCATED AS SHOWN IN THE "MANUAL" AND THE STANDARD DRAWINGS.

F. FLASHERS

FLASHERS SHALL BE 12 VOLT BATTERY-OPERATED MODELS WITH 7 INCH DIAMETER YELLOW LENSES ILLUMINATED BY RAPID INTERMITTENT FLASHES OF SHORT DURATION AND SHALL BE PLACED ON ALL SIGNS AT ALL TIMES AS REQUIRED BY THE "MANUAL" AND THE STANDARD CONSTRUCTION DRAWING.

VI. PAYMENT

PAYMENT FOR PROVIDING, ERECTING, MAINTAINING AND REMOVING TEMPORARY MAINTENANCE OF TRAFFIC CONTROL DEVICES SHALL BE MADE UNDER THE LUMP SUM PRICE BID FOR ITEM 614 - MAINTAINING TRAFFIC.

CONSTRUCTION TRAFFIC

ALL CONSTRUCTION TRAFFIC MUST ONLY USE THE MUSIC STREET ENTRANCE FOR INGRESS AND EGRESS TO THE PARK.

SEQUENCE OF OPERATIONS

THE CONTRACTOR SHALL PERFORM THE PROPOSED WORK PER THE FOLLOWING SCHEDULE:

WORK TO BE COMPLETED PRIOR TO MEMORIAL DAY (MAY 26, 2008):

- DRAINAGE WORK, PAVEMENT REPAIRS, CONCRETE DUMPSTER PADS, PLANING AND PAVING, RESURFACING, AND SURFACE SEALING OF CABIN AREA (R-13, R-14, R-15, R-16, CABIN PULL-INS, CABIN WALKS). SINCE ALL CONSTRUCTION TRAFFIC WILL USE R-16 FOR INGRESS AND EGRESS TO THE PARK, THE PAVEMENT REPAIRS AND SUBSEQUENT PLANING AND PAVING OF R-16 SHALL BE THE LAST ITEMS OF WORK IN THE CABIN AREA (EXCLUDING SURFACE SEALING AND PAVEMENT MARKINGS).
- SURFACE SEALING AND PAVEMENT MARKING INSTALLATION OF CAMPGROUND AREA (R-8, R-20, R-21, R-22A, R-22B, R-23, R-24, R-25, F-13A, F-13B, F-14, F-15, F-16, F-17, PULL-INS)

CONCURRENT WITH CABIN AND CAMPGROUND AREA WORK, THE CONTRACTOR MAY CRACKSEAL, SURFACE SEAL AND INSTALL PAVEMENT MARKINGS THROUGHOUT THE PARK.

PAVEMENT MARKINGS SHALL BE INSTALLED AFTER CRACKSEALING AND SURFACE SEALING OPERATIONS HAVE BEEN COMPLETED ON A PARTICULAR SECTION OF ROADWAY.

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GENERAL NOTES

GEA-PUNDERSON
LAKE PARK

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SHEET NUMBER										PARTICIPATION		ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
4	9	10	12	17	18												
ROADWAY																	
			40								SPECIAL	20252990	40	EACH	PARKING BLOCK REMOVED	4	
				77	112						203	10000	189	CU YD	EXCAVATION		
				1							203	20000	1	CU YD	EMBANKMENT		
				225	378						204	10000	603	SQ YD	SUBGRADE COMPACTION		
	0.5	0.1									209	60500	0.6	MILE	LINEAR GRADING		
	62	14		5							653	10000	81	CU YD	TOPSOIL FURNISHED AND PLACED		
EROSION CONTROL																	
	1179	400		50							659	00500	1629	SQ YD	SEEDING AND MULCHING, CLASS 1		
	0.16	0.05		0.01							659	20000	0.22	TON	COMMERCIAL FERTILIZER		
	4	1		1							659	35000	6	M GAL	WATER		
				16							671	15010	16	SQ YD	EROSION CONTROL MAT, TYPE B		
											832	30000	1000	EACH	EROSION CONTROL		
DRAINAGE																	
				0.3							602	20000	0.3	CU YD	CONCRETE MASONRY		
				55							603	05901	55	FT	15" CONDUIT, TYPE B, AS PER PLAN	4	
				1							604	04500	1	EACH	CATCH BASIN, NO. 2-2B		
2											604	09001	2	EACH	CATCH BASIN ADJUSTED TO GRADE, AS PER PLAN	4	
6											604	34501	6	EACH	MANHOLE ADJUSTED TO GRADE, AS PER PLAN	4	
PAVEMENT																	
				55	220						252	01500	275	FT	FULL DEPTH PAVEMENT SAWING		
	894										254	01001	894	SQ YD	PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN	4	
				25	17						301	46000	42	CU YD	ASPHALT CONCRETE BASE, PG64-22		
				50	80						304	20000	130	CU YD	AGGREGATE BASE		
	527	211									407	10000	738	GALLON	TACK COAT		
	45										407	14000	45	GALLON	TACK COAT FOR INTERMEDIATE COURSE		
				90	124						408	10000	214	GALLON	PRIME COAT		
	6713	6112									423	00100	12,825	POUND	CRACK SEALING, TYPE I		
	50										448	46020	50	CU YD	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, PG64-22		
	220	62									448	47021	282	CU YD	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG64-22, AS PER PLAN	4	
					17						451	14000	17	SQ YD	9" REINFORCED CONCRETE PAVEMENT		
	19	56									SPECIAL	69098900	75	GALLON	MISC.: REPLAY	5	
	3501	2781									SPECIAL	69098900	6282	GALLON	MISC.: RECLAMITE	5	

GENERAL SUMMARY

GEA-PUNDERSON LAKE PARK

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SHEET REF	LOCATION	LENGTH		WIDTH OF PAVEMENT FT.	PAVEMENT AREA SQ. YD.	254		448	448	407	407	690	690	423		209	653	659		659	659
		PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN (2")				ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, PG64-22 (2")	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG64-22, AS PER PLAN (1 1/2")	TACK COAT	TACK COAT FOR INTERMEDIATE COURSE	MISC. REPLAY	MISC. RECLAIMITE	CRACK SEALING, TYPE 1		LINEAR GRADING	TOP SOIL FURNISHED AND PLACED	SEEDING AND MULCHING, CLASS 1		COMMERCIAL FERTILIZER	WATER		
		MILE	FT.			SQ. YD.		CU. YD.	CU. YD.	GAL.	GAL.	GAL.	GAL.	LB.		MILE	CU. YD.	SQ. YD.		TON	M GAL.
	ROADWAYS:																				
13	R-1	1.10	5808	20	12907									451.7							
13	R-1A	0.02	106	20	235									8.2							
13	R-1B	0.02	106	20	235									8.2							
13	R-1L	0.11	581	20	1291									45.1							
13	R-2	0.20	1056	21	2464							18.4	73.9	174.9							
13	R-4	0.12	634	20	1408								84.4	99.9							
13	R-5	0.08	422	20	939								56.3	133.3							
13	R-6	0.04	211	18	422								25.3	14.7							
13	R-7	0.18	950	24	2534								152	539.7							
13	R-7C	0.06	325	14	506								30.3	71.8							
13	R-8	1.14	6019	20	13376								802.5	1899.3							
13	R-12	0.31	1637	22	4001								240	284							
13,14	R-13	0.26	1360	20	3023				125.93	302.22			181.3		0.26	31.48	604.44		0.082	1.63	
13,14	R-14	0.02	90	12	120				5.00	12.00			7.2		0.02	2.08	40.00		0.005	0.10	
13,14	R-14 TURNAROUND		45	25	125				5.21	12.50			7.5			1.09	15.55		0.002	0.04	
13,14	R-15	0.09	496	20	1103				45.93	110.22			66.1		0.09	11.48	220.44		0.030	0.59	
13,14	R-16	0.13	670	12	894	893.33		49.63	37.22	89.33	44.66		53.6		0.13	15.50	297.77		0.040	0.80	
13,16	R-20	0.28	1478	20	3285								197.1	466.4							
13,16	R-21	0.05	264	20	587								35.2	83.3							
13,16	R-22A	0.17	898	20	1994								119.6	283.1							
13,16	R-22B	0.12	634	20	1408								84.4	199.9							
13,16	R-23	0.16	845	20	1877								112.6	266.5							
13,16	R-24	0.43	2270	20	5045								302.7	716.3							
13,16	R-25	0.24	1267	20	2816								168.9	399.8							
	GOLF COURSE:																				
13	G-1		65	155	1119								67.1	39.1							
13	G-2		65	155	1119								67.1	39.1							
13	G-3		65	155	1119								67.1	39.1							
13	G-4		100	200	2222								133.3	77.7							
13	G-5		200	60	1333								79.9	46.6							
13	G-6		160	20	356								21.3	12.4							
13	PRO SHOP		105	40	467								28	33.1							
13	G-7		230	12	307								18.4	21.7							
13	G-8		200	150	3333								199.9	236.6							
	INTERSECTIONS				300								18	21.3							
TOTALS CARRIED TO GENERAL SUMMARY						894		50	220	527	45	19	3501	6713		0.50	62	1179		0.16	4

PAVEMENT SUBSUMMARY
GEA-PUNDERSON LAKE PARK

CALCULATED
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SHEET REF	LOCATION	LENGTH		WIDTH OF PAVEMENT FT.	PAVEMENT AREA SQ. YD.				448	407	690	690	423	209	653	659	659		
		ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG64-22, AS PER PLAN (1 1/2")	TACK COAT						MISC. REPLAY	MISC. RECLAMITE	CRACK SEALING, TYPE 1	LINEAR GRADING	TOPSOIL FURNISHED AND PLACED	SEEDING AND MULCHING, CLASS 1	COMMERCIAL FERTILIZER	WATER			
		MILE	FT.					CU. YD.	GAL.	GAL.	GAL.	LB.		MILE	CU. YD.	SQ. YD.		TON	M GAL.
	PARKING LOTS:																		
13	F-1		75	100	833							49.9	29.1						
13	F-2		330	66	2420								84.7						
13	F-3		315	66	2310								80.8						
13	F-4		80	40	356							21.3	12.4						
13	F-5		134	386	5747							344.8	408						
13	F-6		280	200	6222							373.3	217.7						
13	F-6A		80	40	356							21.3	12.4						
13	F-7		165	690	12650					56		534.9	2694.4						
13	F-8		56	325	2022							121.3	287.1						
13	F-11		130	312	4507							270.4	319.9						
13	F-12		75	150	1250							75	88.7						
13,16	F-13A		50	70	389							23.3	13.6						
13,16	F-13B		50	200	1112							66.7	38.9						
13,16	F-14		50	75	417							25	14.5						
13,16	F-15		18	120	240							14.4	34						
13,16	F-16		15	120	200							12	28.4						
13,16	F-17		20	120	266							15.9	37.7						
	CAMPGROUND:																		
13,16	TRAILER PULL-OFFS				3817							229	542						
16	TRAILER PULL-INS				8223							493.3	1167.6						
	CABINS:																		
14	C-1		50	25	139			5.78	13.9		8.3			0.014	0.386	11.11		0.001	0.03
14	C-2		50	23	128			5.32	12.8		7.6			0.014	0.355	10.22		0.001	0.02
14	C-3		30	22	74			3.06	7.4		4.4			0.010	0.339	9.77		0.001	0.02
14	C-4		40	22	98			4.07	9.8		5.8			0.012	0.339	9.77		0.001	0.02
14	C-5		60	24	160			6.67	16.0		9.6			0.016	0.370	10.66		0.001	0.02
14	C-6		35	21	82			3.40	8.2		4.9			0.011	0.324	9.33		0.001	0.02
14	C-7		30	20	67			2.78	6.7		4			0.009	0.309	8.88		0.001	0.02
14	CABIN PULL-INS				634			26.39	63.4		38				8.49	239.56		0.032	0.65
14	CABIN WALKS				103			4.27	10.3		6.1				2.95	89.78		0.012	0.25
TOTALS CARRIED TO GENERAL SUMMARY								62	211	56	2781	6112		0.1	14	400		0.05	1

PAVEMENT SUBSUMMARY

GEO-PUNDERSON LAKE PARK

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SHEET REF	LOCATION	LENGTH		WIDTH OF PAVEMENT FT.	PAVEMENT AREA SQ. YD.	642					202										
		MILE	FT.			LANE ARROW, TYPE 2 EACH	TRANSVERSE/DIAGONAL LINE, TYPE 2; AS PER PLAN (WHITE) FT.	STOP LINE, TYPE 2 FT.	HANDICAP SYMBOL MARKING, TYPE 2 EACH	PARKING LOT STALL MARKING, TYPE 2 FT.	PARKING BLOCK REMOVED EACH										
	PARKING LOTS:																				
13	F-1		75	100	833							80									
13	F-2		330	66	2420						4	1380									
13	F-3		315	66	2310							1340									
13	F-4		80	40	356							140									
13	F-5		134	386	5747						1	2380									
13	F-6		280	200	6222							600									
13	F-6A		80	40	356							180									
13	F-7		165	690	12650						4	6700									
13	F-8		56	325	2022							1120									
13	F-11		130	312	4507		2		180	24	4	910									
13	F-12		75	150	1250					12		980									
13,16	F-13A		50	70	389						2	80									
13,16	F-13B		50	200	1112							90									
13,16	F-14		50	75	417						1	800									
13,16	F-15		18	120	240						1	240									
13,16	F-16		15	120	200						1	240									
13,16	F-17		20	120	266						1	240									
	CAMPGROUND:																				
16	TRAILER PULL-OFFS				3817							620									
16	TRAILER PULL-INS				8223																
	CABINS:																				
15	C-1		50	25	139							80									
15	C-2		50	23	128							80									
15	C-3		30	22	74							40									
15	C-4		40	22	98							60									
15	C-5		60	24	160							120									
15	C-6		35	21	82							40									
15	C-7		30	20	67							40									
15	CABIN PULL-INS																				
SUBTOTAL THIS SHEET:																					
TOTALS CARRIED TO GENERAL SUMMARY																					
							2		618	48		19	18580			40					
							2		618	48		19	18580			40					

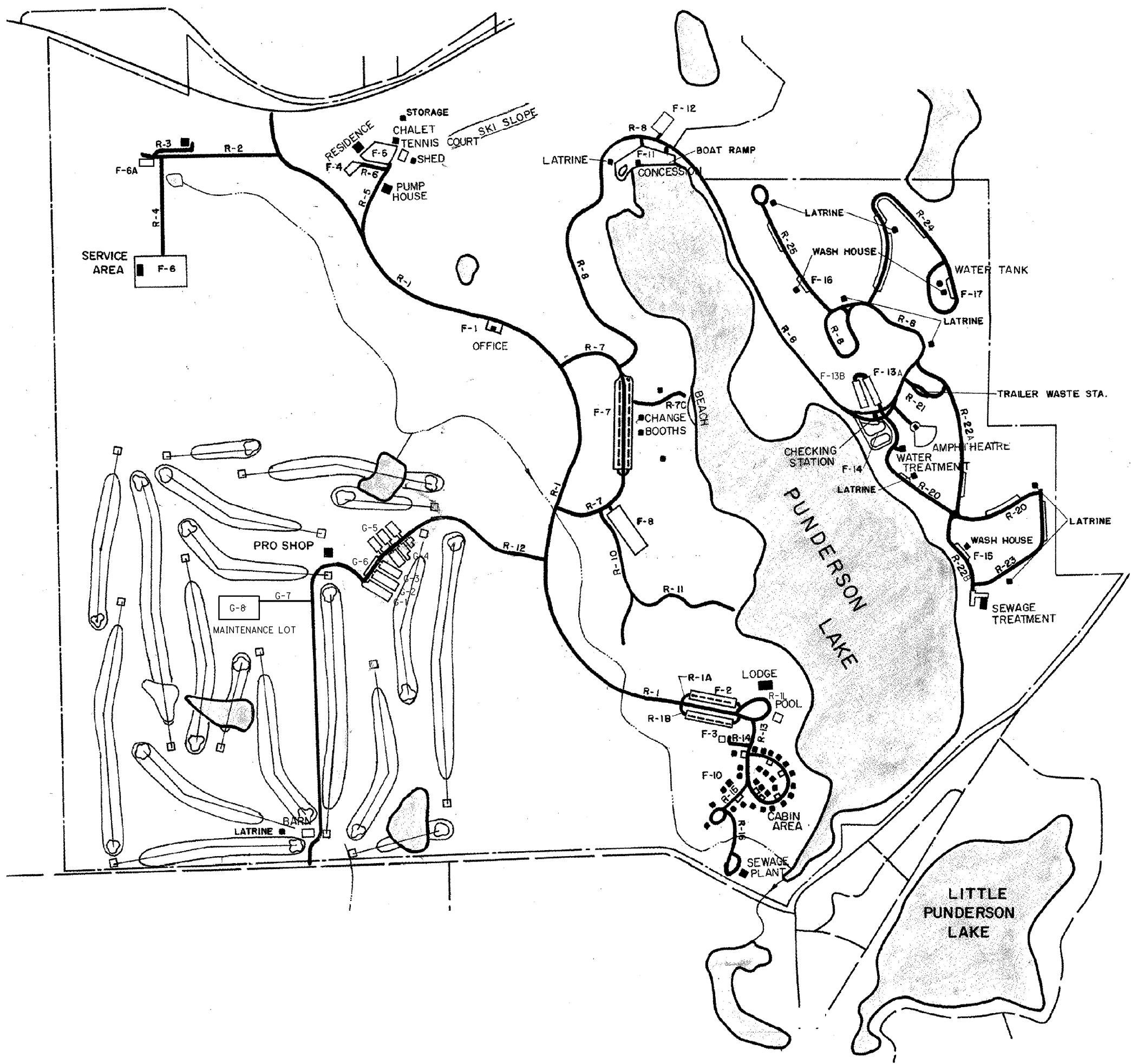
PAVEMENT MARKING SUBSUMMARY

GEA-PUNDERSON LAKE PARK

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PUNDERSON STATE PARK

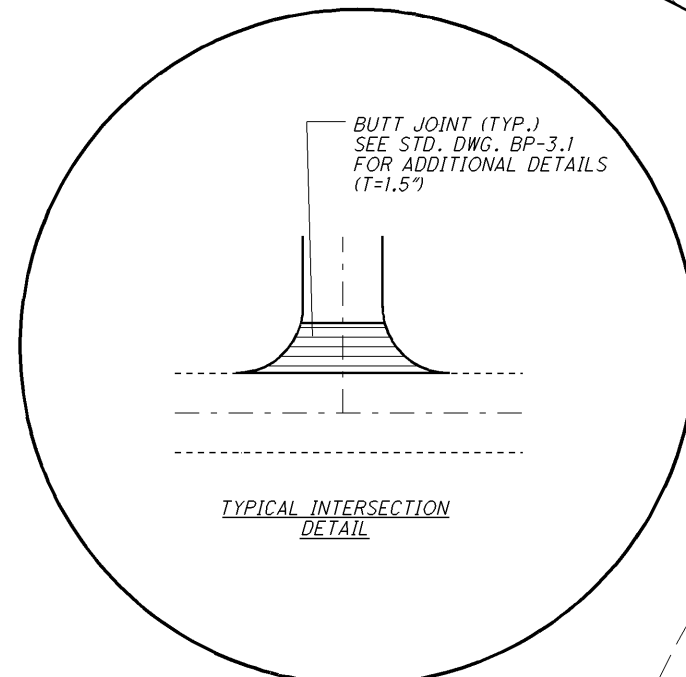
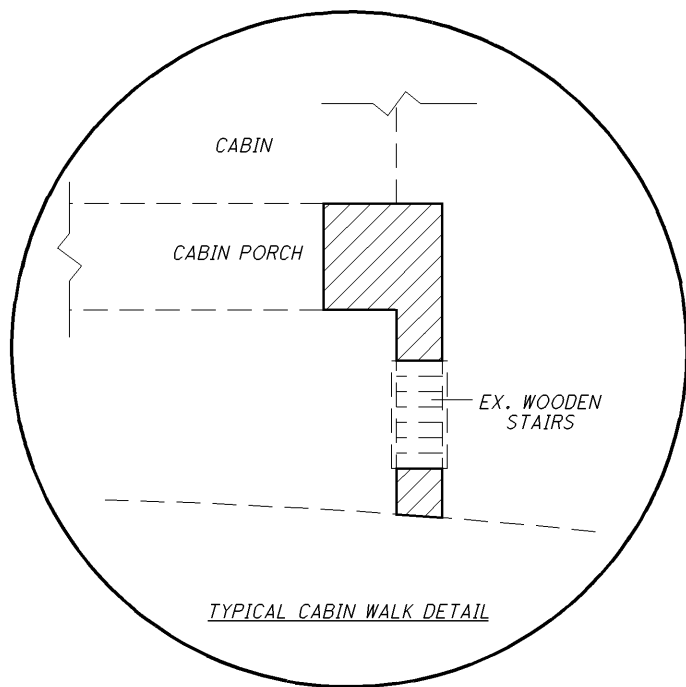
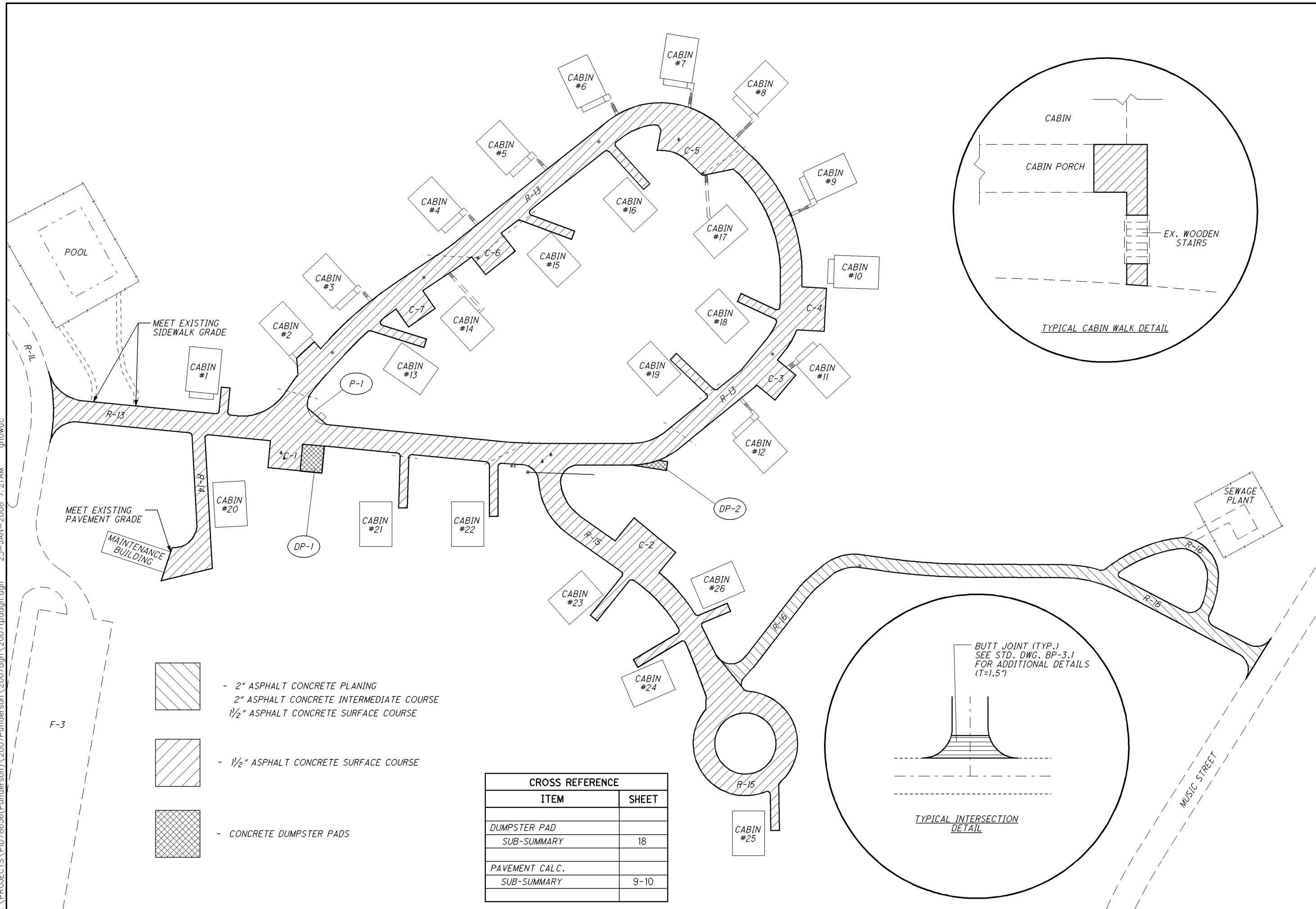
GEA-PUNDERSON LAKE PARK

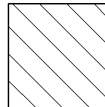
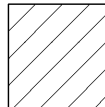
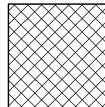


CROSS REFERENCE	
ITEM	SHEET
PAVEMENT CALC. SUB-SUMMARY	9-10
PAVEMENT MARKING SUB-SUMMARY	11-12

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-  - 2" ASPHALT CONCRETE PLANING
2" ASPHALT CONCRETE INTERMEDIATE COURSE
1/2" ASPHALT CONCRETE SURFACE COURSE
-  - 1/2" ASPHALT CONCRETE SURFACE COURSE
-  - CONCRETE DUMPSTER PADS

CROSS REFERENCE	
ITEM	SHEET
DUMPSTER PAD	
SUB-SUMMARY	18
PAVEMENT CALC.	
SUB-SUMMARY	9-10



NOT TO SCALE

CALCULATED
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PAVEMENT PLAN SHEET
CABIN AREA

GEA-PUNDERSON
LAKE PARK

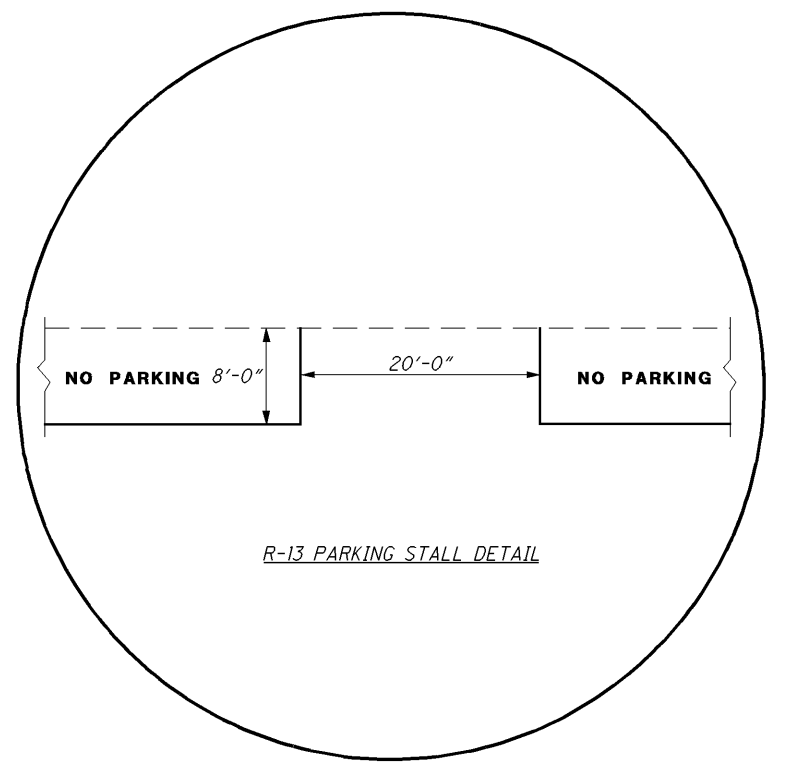
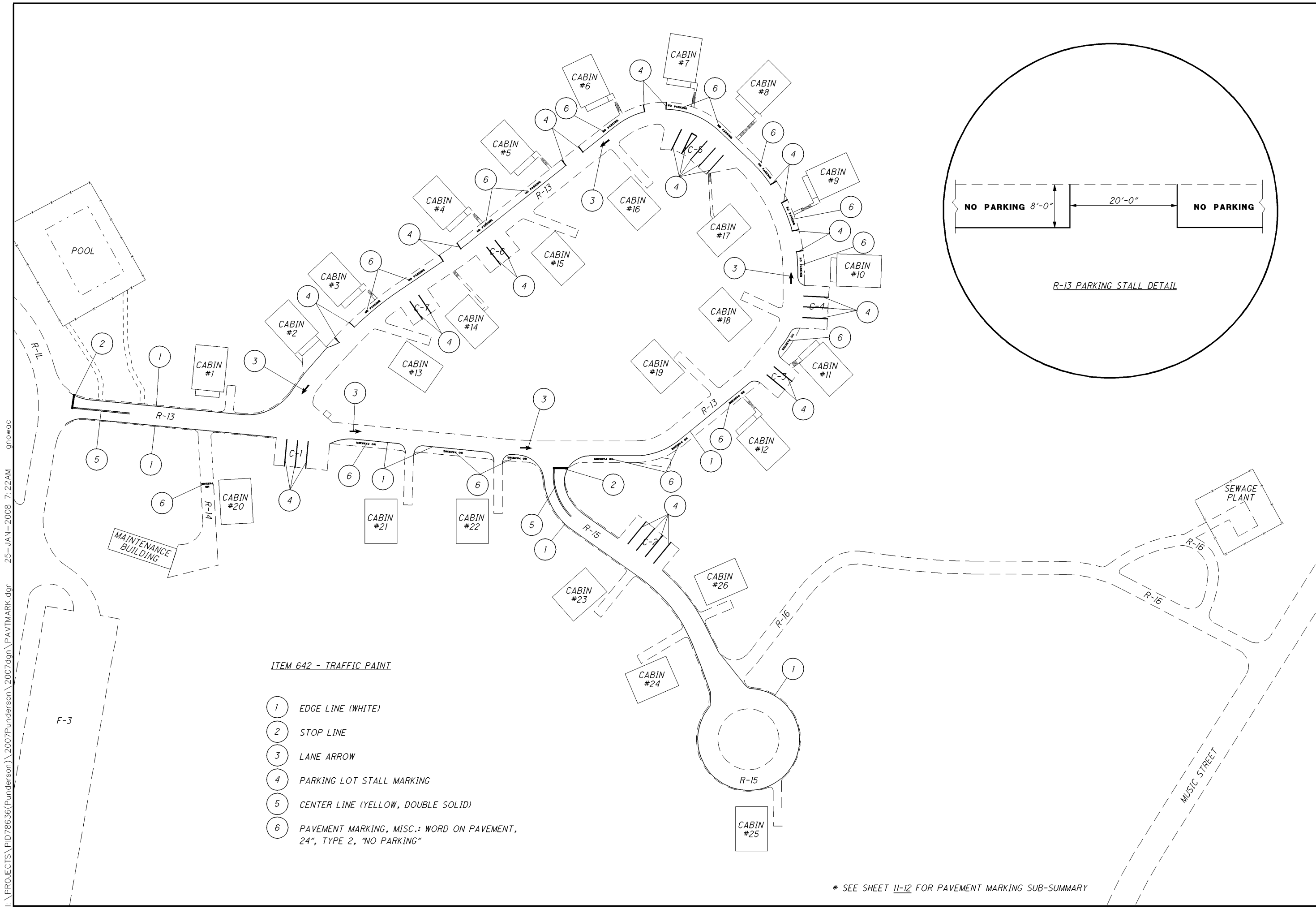


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**PAVEMENT MARKING PLAN SHEET
CABIN AREA ROADS : R-13 & R-15**

**GEA-PUNDERSON
LAKE PARK**



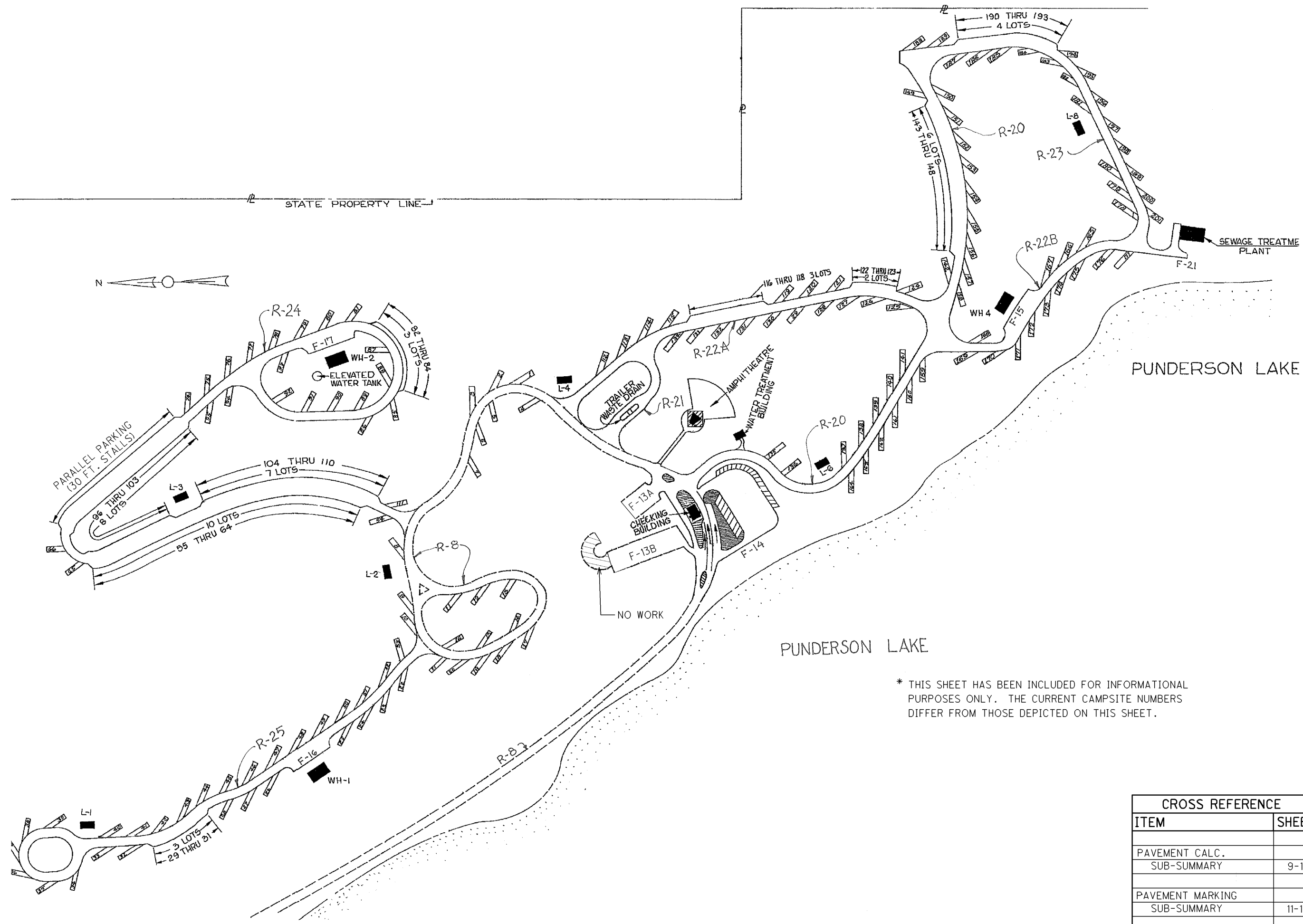
ITEM 642 - TRAFFIC PAINT

- 1 EDGE LINE (WHITE)
- 2 STOP LINE
- 3 LANE ARROW
- 4 PARKING LOT STALL MARKING
- 5 CENTER LINE (YELLOW, DOUBLE SOLID)
- 6 PAVEMENT MARKING, MISC.: WORD ON PAVEMENT, 24", TYPE 2, "NO PARKING"

* SEE SHEET 11-12 FOR PAVEMENT MARKING SUB-SUMMARY

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PUNDERSON CAMPGROUND

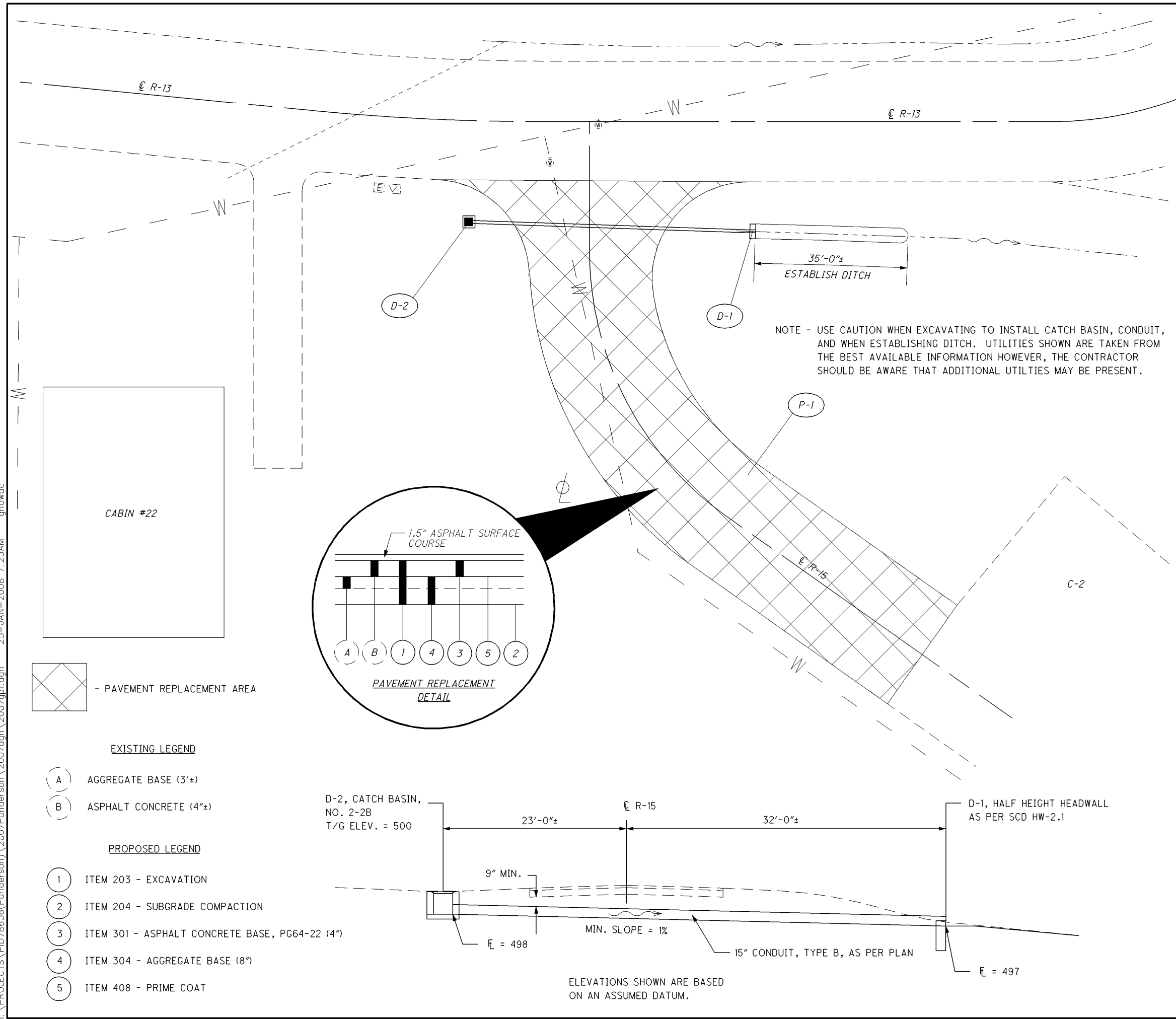
GEA-PUNDERSON LAKE PARK

16
18

* THIS SHEET HAS BEEN INCLUDED FOR INFORMATIONAL PURPOSES ONLY. THE CURRENT CAMPSITE NUMBERS DIFFER FROM THOSE DEPICTED ON THIS SHEET.

CROSS REFERENCE	
ITEM	SHEET
PAVEMENT CALC. SUB-SUMMARY	9-10
PAVEMENT MARKING SUB-SUMMARY	11-12

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NOTE - USE CAUTION WHEN EXCAVATING TO INSTALL CATCH BASIN, CONDUIT, AND WHEN ESTABLISHING DITCH. UTILITIES SHOWN ARE TAKEN FROM THE BEST AVAILABLE INFORMATION HOWEVER, THE CONTRACTOR SHOULD BE AWARE THAT ADDITIONAL UTILITIES MAY BE PRESENT.

REF NO.	LOCATION	SIDE	EXCAVATION	203	204	252	301	304	408	602	604	603	653	659	659	671
D-1	R-15	RT	2													
D-2	R-15	LT		1												
P-1	R-15	℄	75		225	55	25	50	90							
TOTALS CARRIED TO GENERAL SUMMARY			77	1	225	55	25	50	90	0.3	55	1	5	0.01	1	16

GEA-PUNDERSON LAKE PARK

R-15 DRAINAGE AND PAVEMENT DETAIL

NOT TO SCALE

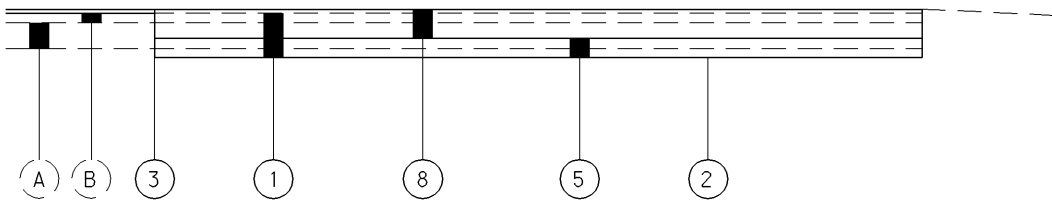
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18

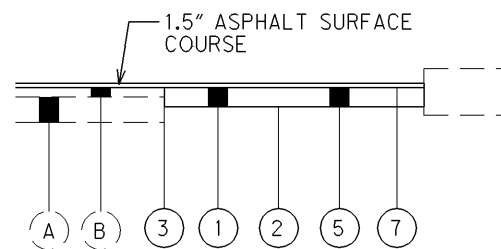
SHEET REF	REF NO.	LOCATION	LENGTH	WIDTH	AREA	203	204	252	301	304	408	451
						EXCAVATION	SUBGRADE COMPACTION	FULL DEPTH PAVEMENT SAWING	ASPHALT CONCRETE BASE, PG64-22	AGGREGATE BASE	PRIME COAT (0.4 GAL./SQ.YD.)	9" REINFORCED CONCRETE PAVEMENT
						CU. YD.	SQ. YD.	FT.	CU. YD.	CU. YD.	GAL.	CU. YD.
CABINS:												
14	DP-1		25	20	56	21	56	45		9.33		14
14	DP-2		10	10	12	5.2	12	20		2.0		3
14	P-1	BILLBOARD ASPHALT WIDENING			10	1.6	10	30		1.6	4	
13,14		R-16 (PAVEMENT REPAIRS)	225	12	300	83.3	300	125	16.6	66.6	120	
TOTALS CARRIED TO GENERAL SUMMARY						112	378	220	17	80	124	17

NOTE - EXACT LOCATION OF DUMPSTER PADS TO BE DETERMINED BY THE ENGINEER

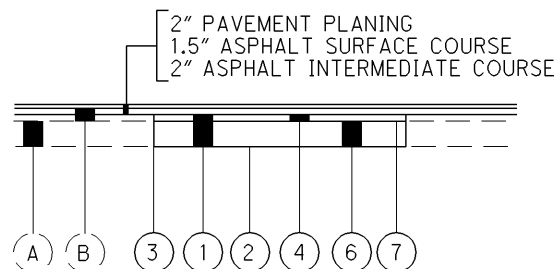
DUMPSTER PAD TYPICAL SECTION



BILLBOARD ASPHALT WIDENING TYPICAL SECTION



R-16 PAVEMENT REPAIR TYPICAL SECTION



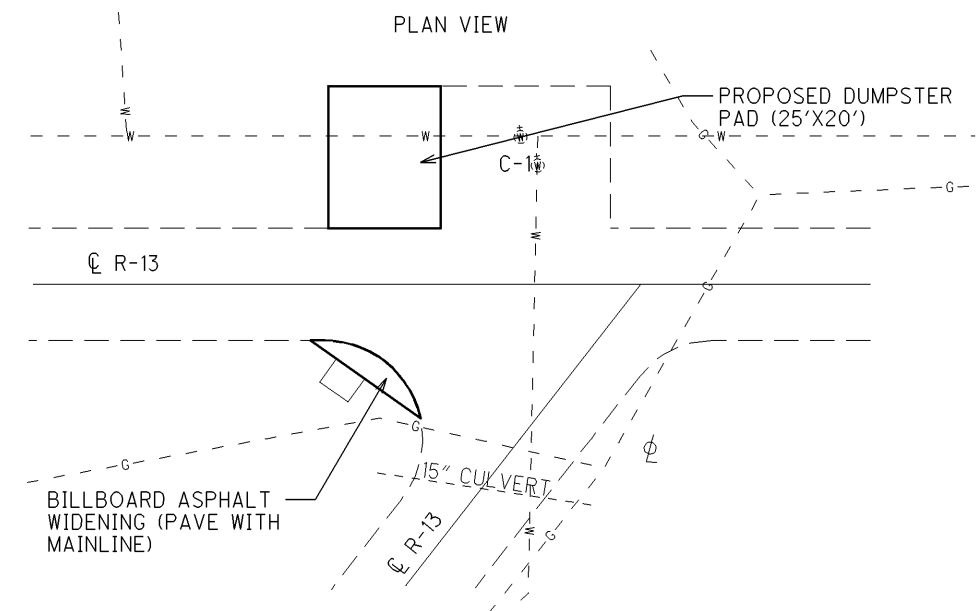
EXISTING LEGEND

- (A) AGGREGATE BASE (8")
- (B) ASPHALT CONCRETE (3"-4"±)

PROPOSED LEGEND

- (1) ITEM 203 - EXCAVATION
- (2) ITEM 204 - SUBGRADE COMPACTION
- (3) ITEM 252 - FULL DEPTH PAVEMENT SAWING
- (4) ITEM 301 - ASPHALT CONCRETE BASE, PG64-22
- (5) ITEM 304 - AGGREGATE BASE (6")
- (6) ITEM 304 - AGGREGATE BASE (8")
- (7) ITEM 408 - PRIME COAT
- (8) ITEM 451 - 9" REINFORCED CONCRETE PAVEMENT

DP-1 DUMPSTER PAD DETAIL
P-1 BILLBOARD ASPHALT WIDENING DETAIL



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DUMPSTER PAD / REPAIR AREAS SUBSUMMARY

GEA-PUNDERSON
LAKE PARK