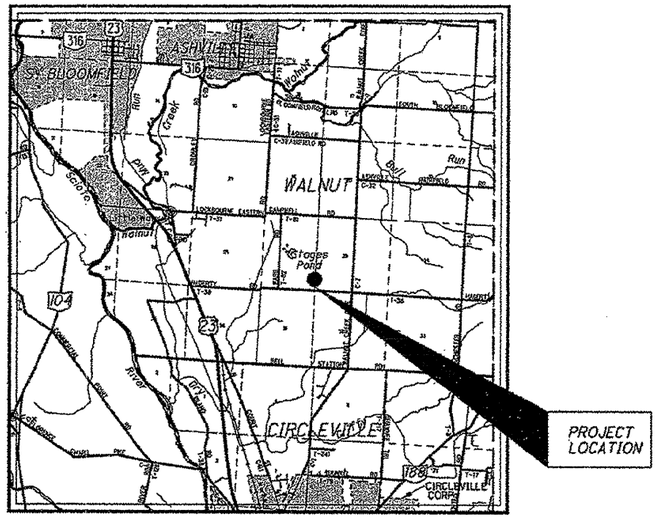
STATE OF OHIO

DEPARTMENT OF TRANSPORTATION

PIC-STAGES POND (FY09)

WALNUT TOWNSHIP
PICKAWAY COUNTY



LOCATION MAP

LATITUDE: 39 °36'29 " LONGITUDE: 82 °55'28"

SCALE IN MILES

0 1 2 3 4

N

PORTION TO BE IMPROVED
INTERSTATE & DIVIDED HIGHWAY
UNDIVIDED STATE & FEDERAL ROUTES
OTHER ROADS

DESIGN EXCEPTIONS

NONE REQUIRED (ODNR PROJECT)

UNDERGROUND UTILITIES

CONTACT BOTH SERVICES
CALL TWO WORKING DAYS
BEFORE YOU DIG

CALL
1-800-362-2764
(TOLL FREE)
OHIO UTILITIES PROTECTION SERVICE
NON-MEMBERS
MUST BE CALLED DIRECTLY

OIL & GAS PRODUCERS PROTECTIVE SERVICE CALL: **1-800-925-0988**

PLAN PREPARED BY:

OHIO DEPARTMENT OF TRANSPORTATION
OFFICE OF PRODUCTION
1980 W. BROAD STREET
COLUMBUS, OHIO 43223

INDEX OF SHEETS:

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PROJECT DESCRIPTION

ASPHALT CONCRETE RESURFACING OF THE PARKING AREAS AND A ROAD THROUGH THE STAGES POND NATURE PRESERVE.

PROJECT EARTH DISTURBED AREA: N/A MAINTENANCE PROJECT

ESTIMATED CONTRACTOR EARTH DISTRUBED AREA: N/A MAINTENANCE PROJECT

NOTICE OF INTENT EARTH DISTURBED AREA: N/A MAINTENANCE PROJECT

2008 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL REQUIRE THE CLOSING TO TRAFFIC OF THE PARKING LOTS.

PLANS CERTIFIED BY:
Dennis D Sheets 1/28/08
NAME DATE
DISTRICT SIX
OHIO DEPARTMENT OF TRANSPORTATION

ENGINEERS SEAL:

STATE OF OHIO
MICHAEL D. CRONEBACH
E-56466
REGISTERED
PROFESSIONAL ENGINEER

SIGNED: Michael D. Cronebach
DATE: 12/20/07

STANDARD CONSTRUCTION DRAWINGS

BP-3.1	10-19-07	DM-4.3	7-19-02						
RM-6.1	10-17-03	DM-4.4	7-19-02						
MT-101.60	9-20-06								
MT-105.10	10-18-02								
MT-105.11	10-18-02								
TC-41.20	1-19-01								
TC-42.20	7-16-04								
TC-52.10	1-19-07								
TC-52.20	1-19-07								
TC-71.10	1-19-07								

SUPPLEMENTAL SPECIFICATIONS

800-2008	4/18/08
832	4/25/06

SPECIAL PROVISIONS

APPROVED Dick M. Mohr, PE
DATE 12/20/07 CHIEF ENGINEER, DEPARTMENT OF NATURAL RESOURCES

APPROVED Thomas J Westbrook
DATE _____ DISTRICT DEPUTY DIRECTOR

APPROVED _____
DATE _____ DIRECTOR, DEPARTMENT OF TRANSPORTATION

FEDERAL PROJECT NO. NON-FEDERAL

PID NO. 83174

CONSTRUCTION PROJECT NO.

RAILROAD INVOLVEMENT NONE

PIC - STAGES POND (FY09)

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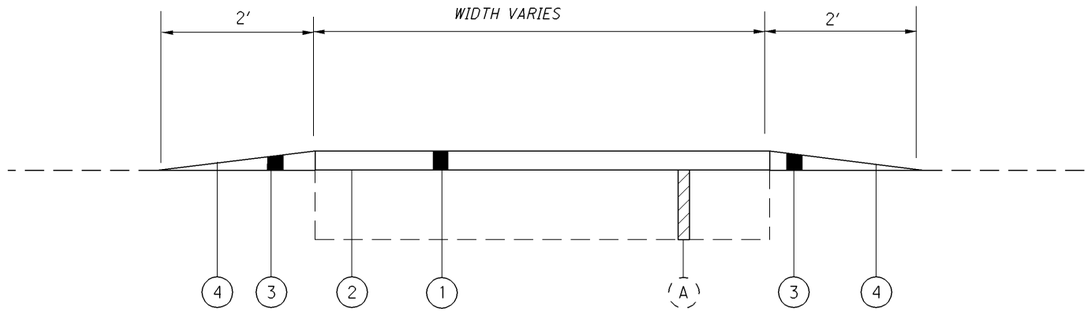

OVERLAY TYPICAL SECTION

SECTION APPLIES:
ROAD R-1, PARKING LOTS F-1,F-2,F-3 & F-4
AREA A, AREA B & SERVICE ROAD

LEGEND

1. ITEM 448 - 1-1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG64-22
2. ITEM 407 - TACK COAT, AS PER PLAN (APPLIED @ THE RATE OF 0.05 GAL. PER SQ. YD.)
3. ITEM 653 - TOPSOIL FURNISHED AND PLACED
4. ITEM 659 - SEEDING AND MULCHING, CLASS 1, AS PER PLAN

(A) EXISTING ASPHALT PAVEMENT, DEPTH UNKNOWN

TYPICAL SECTIONS

PIC - STAGES POND (FY09)

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CONSTRUCTION SCHEDULE

THE CONTRACTOR SHALL WORK AROUND THE FOLLOWING CONSTRUCTION SEQUENCE:
NO WORK IS TO BE PERFORMED ON ANY STATE OR FEDERAL HOLIDAYS.MAINTAIN CONTINUOUS ACCESS FOR ODNR PERSONNEL FOR MAINTENANCE AND SECURITY PURPOSES. PERFORM ALL CONSTRUCTION ACTIVITIES BETWEEN OCTOBER 1 AND OCTOBER 31.

UTILITIES

THERE ARE NO UNDERGROUND UTILITIES SHOWN ON THIS PLAN. THE NATURE OF THE WORK REQUIRED BY THIS PROJECT WILL NOT AFFECT ANY KNOWN UNDERGROUND UTILITIES THAT EXIST UNDER OR ADJACENT TO THE WORK AREA.

NOTIFICATION

CONTACT THE OHIO DEPARTMENT OF NATURAL RESOURCES BY PHONE TWO WEEKS PRIOR TO THE PRE-CONSTRUCTION MEETING:

PAUL SMITHHISLER
DIVISION OF ENGINEERING
OHIO DEPARTMENT OF NATURAL RESOURCES
FOUNTAIN SQUARE, BUILDING F-3
COLUMBUS, OHIO 43224
TELEPHONE: 614-265-6965

JEFF JOHNSON
OHIO DEPARTMENT OF NATURAL RESOURCES
STAGES POND STATE NATURE PRESERVE
4792 HAGERTY ROAD
ASHVILLE, OHIO 43103
TELEPHONE: 740-420-3374

ITEM 614 - MAINTAINING TRAFFIC

ALL WORK AND TRAFFIC CONTROL DEVICES ARE TO BE IN ACCORDANCE WITH CMS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS IS TO BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

PROVIDE, ERECT AND MAINTAIN STANDARD 48 x 30 INCHES (1200 x 750 mm) ROAD CLOSED SIGNS, SIGN SUPPORTS, BARRICADES, GATES AND, LIGHTS, AS DETAILED IN SCD MT-101.60 DURING PERIODS IN WHICH THE AFFECTED ROADS ARE CLOSED TO TRAFFIC.

ITEM 659 - SEEDING & MULCHING, CLASS I, AS PER PLAN

SEEDING AND MUCLHING AS PER PLAN WILL INCLUDE THE COST OF NECESSARY FERTILIZER, LIME, WATER AND ANY OTHER NECESSARY MATERIALS TO COMPLETE THE WORK.

ITEM 643, TRANSVERSE/DIAGONAL LINE, AS PER PLAN

TRANSVERSE LINES ARE TO BE SOLID LINES 4 INCHES WIDE, WHITE IN COLOR, PLACED AT AN ANGLE 45 DEGRES RELATIVE TO THE PARKING STALL LINES, AND SPACED AT 4 FOOT CENTER TO CENTER.

ITEM 407, TACK COAT, AS PER PLAN

REMOVE ALL EXISTING THERMOPLASTIC PAVEMENT MARKINGS PRIOR TO APPLYING THE TACK COAT.

THE RATE OF APPLICATION OF THE 407 TACK COAT SHALL BE SUBJECT TO ADJUSTMENT AS DIRECTED BY THE ENGINEER. AN AVERAGE APPLICATION RATE OF 0.05 GALLONS PER SQUARE YARD OF TACK COAT HAS BEEN PROVIDED FOR ESTIMATING PURPOSES ONLY.

ITEM SPECIAL, PARKING BLOCK REMOVED FOR STORAGE

RELOCATE ALL PARKING BLOCKS TO A SITE INDICATED BY THE NATURE PRESERVE MANAGER, PRIOR TO THE PAVING OPERATIONS.

THE CONTRACTOR HAS THE OPTION TO REMOVE THE EXISTING ANCHOR PIN HOLDING THE CONCRETE PARKING BLOCK IN PLACE OR CUT IT FLUSH WITH THE EXISTING PAVEMENT SURFACE WHEN REMOVING THE BLOCKS FOR STOAGE. THE CONTRACTOR IS RESPONSIBLE FOR THE DISPOSAL OF THE ANCHOR PINS.

CONSTRUCTION NOISE

HOURS OF OPERATION SHALL CONFORM WITH ANY LOCAL ORDINANCES OR ODNR REGULATIONS.

WATER QUALITY PROTECTION

NO TOXIC OR HAZARDOUS MATERIALS SUCH AS SEALANTS, PAINT, SOLVENTS, CLEANING AGENTS, EARTHEN MATERIALS, WASTE-WATER, FUELS OR DEBRIS OF ANY KIND SHALL BE DISCHARGED TO ANY STREAMS, DRAINAGE COURSES, OR BODIES OF WATER. ALL ASPHALT OR CONCRETE GRINDINGS, EXCESS ASPHALTIC OR CONCRETE MATERIALS OR ANY OTHER DEBRIS GENERATED DURING RESURFACING OR OTHER SIMILAR ACTIVITIES SHALL BE NOT BE DISPOSED OF IN ANY WATER BODY AND WITHIN A FLOODPLAIN BELOW THE 100-YEAR FLOOD ELEVATION.

WATER QUALITY PROTECTION

WATER WELLS ARE LOCATED AT THE STAGES POND NATURE PRESERVE AND IN THE VACINITY OF THIS PROJECT. IN ORDER TO MINIMIZE THE POTENTIAL TO CONTAMINATE THE PUBLIC DRINKING WATER SUPPLY, PROJECT RELATED REFUELING AND MAINTENANCE ACTIVITIES SHALL BE PERFORMED IN AN ENVIRONMENTALLY RESPONSBLE MANNER. THE CONTRACTOR SHALL IMMEDIATELY TAKE STEPS TO MITIGATE ANY EVENT, SUCH AS A SPILL OF FUELS, OILS, OR CHEMICALS, THAT COULD THREATEN TO CONTAMINATE THE DRINKING WATER SUPPLY. ANY SUCH SPILL OR EVENT SHALL BE REPORTED IMMEDIATELY TO THE PROJECT ENGINEER, THE LOCAL FIRE DEPARTMENT, AND THE COUNTY HEALTH DEPARTMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEAN UP AND REMEDIATION OF ANY SUCH SPILL.

AVOIDANCE OF PUBLIC LANDS

THE PROJECT IS WITHIN THE ODNR STAGES POND NATURE PRESERVE. ANY PART OF THE PROPERTY BEYOND THE WORK LIMITS CANNOT BE USED FOR ANY CONSTRUCTION-RELATED PURPOSE (SUCH AS: FIELD OFFICE LOCATION, PARKING, STORAGE, BORROW OR WASTE AREAS) WITHOUT THE WRITTEN PERMISSION FROM THE ODNR DIVISION OF NATURAL AREAS AND PRESERVES.

COORDINATION WITH ODNR

THE ODNR STAGES POND NATURE PRESERVE MANAGER WILL BE INVITED TO ANY PRECONSTRUCTION MEETINGS AND NOTIFIED PRIOR TO THE START OF CONSTRUCTION. THE ODNR CONTACT IS DON DEMMY, STAGES POND NATURE PRESERVE MANAGER, 4792 HAGERTY RD., ASHVILLE OH 43103, TELEPHONE NUMBER (740) 420-3374.

ITEM SPECIAL, PARKING BLOCK REMOVED AND RESET

THIS ITEM SHALL CONSIST OF ALL LABOR, MATERIAL, TOOLS, AND EQUIPMENT TO REMOVE AND RESET CONCRETE PARKING BLOCKS. ALL EXISTING PARKING BLOCKS SHALL BE REMOVED TO PERMIT ASPHALT PLACEMENT. ONCE THE MATERIAL IS IN PLACE, THE CONTRACTOR SHALL RESET THE PARKING BLOCKS. THE CONTRACTOR MAY REUSE THE EXISTING ANCHOR PINS; HOWEVER, IF THE CONTRACTOR ELECTS TO CUT THE EXISTING PINS OR DRIVE THEM INTO GRADE, THEY SHALL BE REPLACED USING NO. 6 REINFORCING BARS AT 30 INCHES IN LENGTH. PAYMENT FOR THE REPLACEMENT PINS SHALL BE INCLUDED IN THIS ITEM. INSTALLATION OF ALL THE ABOVE MUST BE APPROVED AS DIRECTED BY THE ENGINEER. ANY PARKING BLOCKS BROKEN BY THE CONTRACTOR'S NEGLIGENCE OR CARELESSNESS SHALL BE REPLACED IN ACCORDANCE WITH STANDARD DRAWING SHEET RM-6.1 AT THE CONTRACTOR'S EXPENSE.

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SHEET NUMBER												PARTICIPATION		ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
								5	6										
																		ROADWAY	
								7						SPECIAL	20253010	7	EACH	PARKING BLOCK REMOVED AND RESET	3
								24						SPECIAL	20253020	24	EACH	PARKING BLOCK REMOVED FOR STORAGE	3
								10.7	1.2					653	10000	12	CU YD	TOPSOIL FURNISHED AND PLACED	
																		EROSION CONTROL	
								633.5	71.1					659	00501	705	SQ YD	SEEDING AND MULCHING, CLASS 1, AS PER PLAN	3
														832	30000	1000	EACH	EROSION CONTROL	
																		PAVEMENT	
								26.7	71.1					254	01000	98	SQ YD	PAVEMENT PLANING, ASPHALT CONCRETE	
								231.8	46.2					407	10001	278	GALLON	TACK COAT, AS PER PLAN	3
								102	32					448	47020	134	CU YD	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG64-22	
																		TRAFFIC CONTROL	
								10						644	00500	10	FT	STOP LINE	
								79.5						644	00701	80	FT	TRANSVERSE/DIAGONAL LINE, AS PER PLAN	3
								520						644	01200	520	FT	PARKING LOT STALL MARKING	
								1						644	01600	1	EACH	HANDICAP SYMBOL MARKING	
														614	11000	LUMP		MAINTAINING TRAFFIC	
														624	10000	LUMP		MOBILIZATION	

CALCULATED JWH
CHECKED MDC

GENERAL SUMMARY

PIC - STAGES POND
(FY09)

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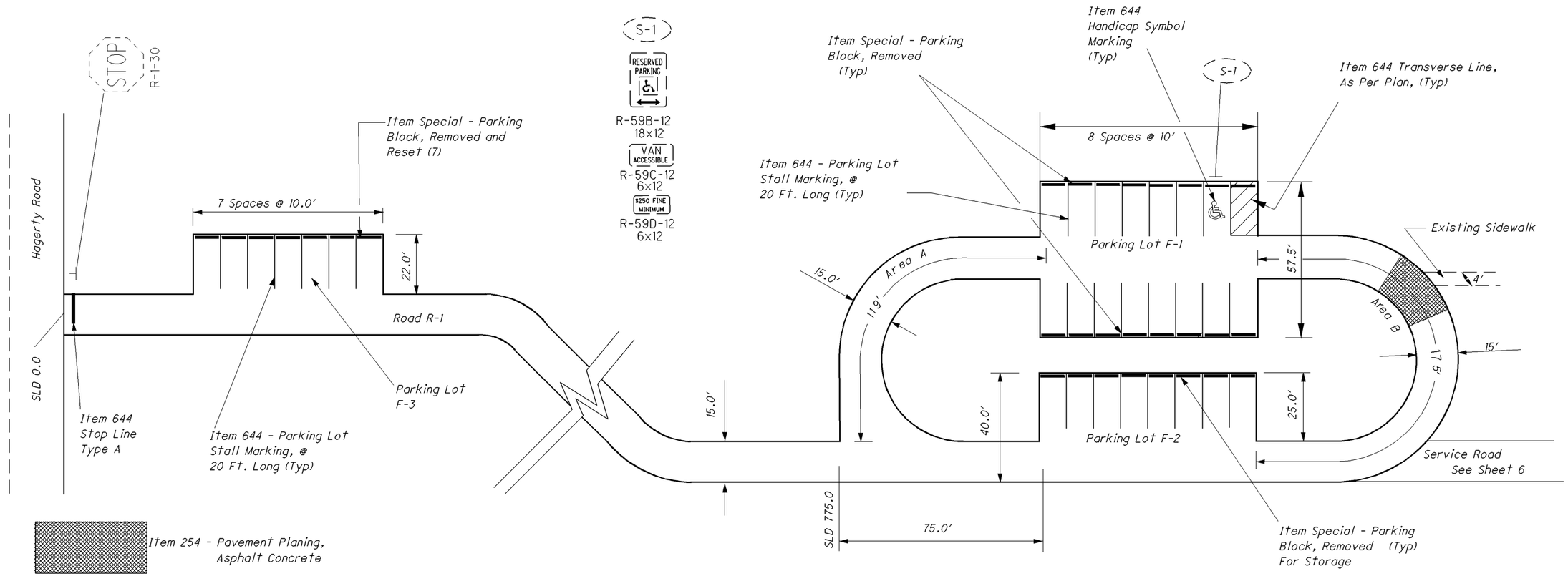

Road R-1 = 775.0 Ft. Length

Location	254	407	448	644				653	659	Special	Special
	Pavement Planing, Asphalt Concrete (0" - 1-1/4")	Tack Coat As Per Plan	1-1/4" Asphalt Concrete Surface Course Type 1, PG64-22	Parking Lot Stall Marking	Transverse/Diagonal line As Per Plan	Stop Line,	Handicap Symbol Marking	Topsoil Furnished and Placed	Seeding and Mulching Class 1, APP	Parking Block Removed and Reset	Parking Block Removed For Storage
	Sq. Yd.	Gal.	Cu.Yd.	Ft.	Ft.	Ft.	Each	Cu.Yd.	Sq. Yd.	Each	Each
R-1		[(775)(15)/9](0.05)= 64.6	(775)(15)(1.25/12)(1/27) = 44.8			10.0		(775+705)(2)(1/2)(1.25/12)(1/27) = 5.7	(775+705)(2)(1/9) = 328.9		
F-1		[(57.5)(80)/9](0.05) = 25.6	(57.5)(80)(1.25/12)(1/27) = 17.7	(13)(20)=260.0	$\frac{(10(20+0.56)}{10.41}$ (2)+20+20= 79.5		1	20+80+20+20+80+20= 240(2)(1/2) (1.25/12)(1/27) =0.9	20+80+20+20+80+20= 240(2) (1/9)= 53.3		16
F-2		[(80)(40)/9](0.05) =17.8	(80)(40)(1.25/12)(1/27) = 12.3	(7)(20)=140.0				25+80+25+80 = 210(2)(1/2)(1.25/12) (1/27) = 0.8	25+80+25+80 = 210(2)(1/9) = 46.7		8
F-3		[(70)(22)/9](0.05) = 8.6	(70)(22)(1.25/12)(1/27) = 5.9	(6)(20)=120.0				22+70+22=114(2)(1/2)(1.25/12) (1/27) = 0.4	70+22+70+22=184(2)(1/9) = 40.6	7	
Area A		[(119+75)(15)(0.05) = 16.2 / 9	(119+75)(15)(1.25/12)(1/27) = 11.2					(119+75)(2)(2)(1/2)(1.25/12) (1/27) = 1.5	119 + 75 = 194(2)(2)(1/9) = 86.2		
Area B	(15)(24)(1/9) = 40	[(175)(15)/9](0.05)=14.6	(175)(15)(1.25/12)(1/27) = 10.1					(175)(2)(2)(1/2)(1.25/12) (1/27) = 1.4	175(2)(2)(1/9) =77.8		
Total	40	149.4	102	520	79.5	10	1	10.7	633.5	7	24

HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED JWH
CHECKED MDC

SITE PLAN - ROAD R-1 PARKING LOTS F-1, F-2, F-3

PIC - STAGES POND (FY09)

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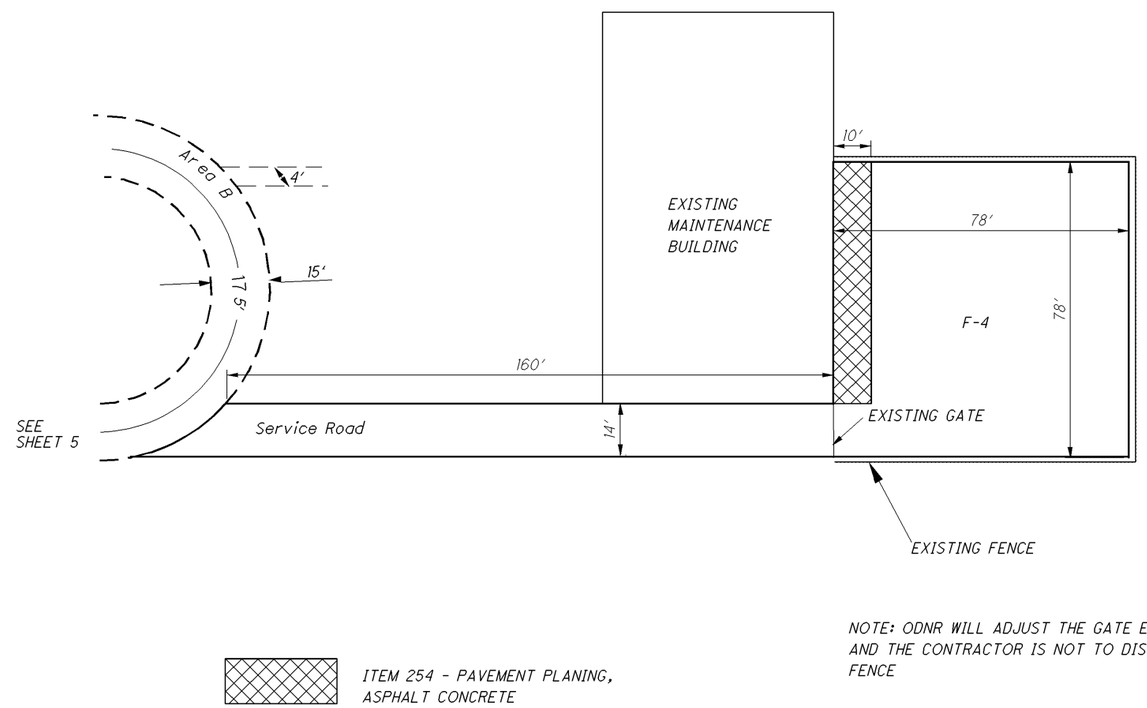

NOTE: ODNR WILL ADJUST THE GATE ELEVATION AND THE CONTRACTOR IS NOT TO DISTURB THE FENCE

	407	448	653	659	254
LOCATION	TACK COAT AS PER PLAN	1-1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1 PG64-22	TOPSOIL, FURNISHED AND PLACED	SEEDING AND MULCHING, CLASS 1, AS PER PLAN	PAVEMENT PLANING, ASPHALT CONCRETE (0" - 1-1/4")
	GAL.	CU. YD.	CU. YD.	SQ. YD.	SQ. YD.
SERVICE ROAD	(160)(14)= 2240(0.05)(1/9) = 12.4	(160)(14) = (2240)(1.25/12)(1/27) = 8.6	(160)(2)(2)(1/2)(1.25/12)(1/27) = 1.2	(160)(2)(2)(1/9) = 71.1	
F-4	(78)(78) = 6084(0.05)(1/9) = 33.8	(78)(78) = (6084)(1.25/12)(1/27) = 23.4			(64)(10)(1/9) = 71.1
TOTAL	46.2	32	1.2	71.1	71.1

HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED JWH
CHECKED MDC

SITE PLAN - SERVICE ROAD
LOT F-4

PIC - STAGES POND
(FY09)

6
6

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