

WATERFORD PLAZA SUBDIVISION FINAL DRAINAGE PLAN

REPLAT OF SMYRNA

OAK GROVE ROAD

BURKHARDT ROAD

KIMBER LANE

FAIRFIELD DR.

NW COR.
E 1/2, NE 1/4
24-6-10
PIN FND.

NE COR.
E 1/2, NE 1/4
24-6-10
PIN IN MON.
BOX FND.

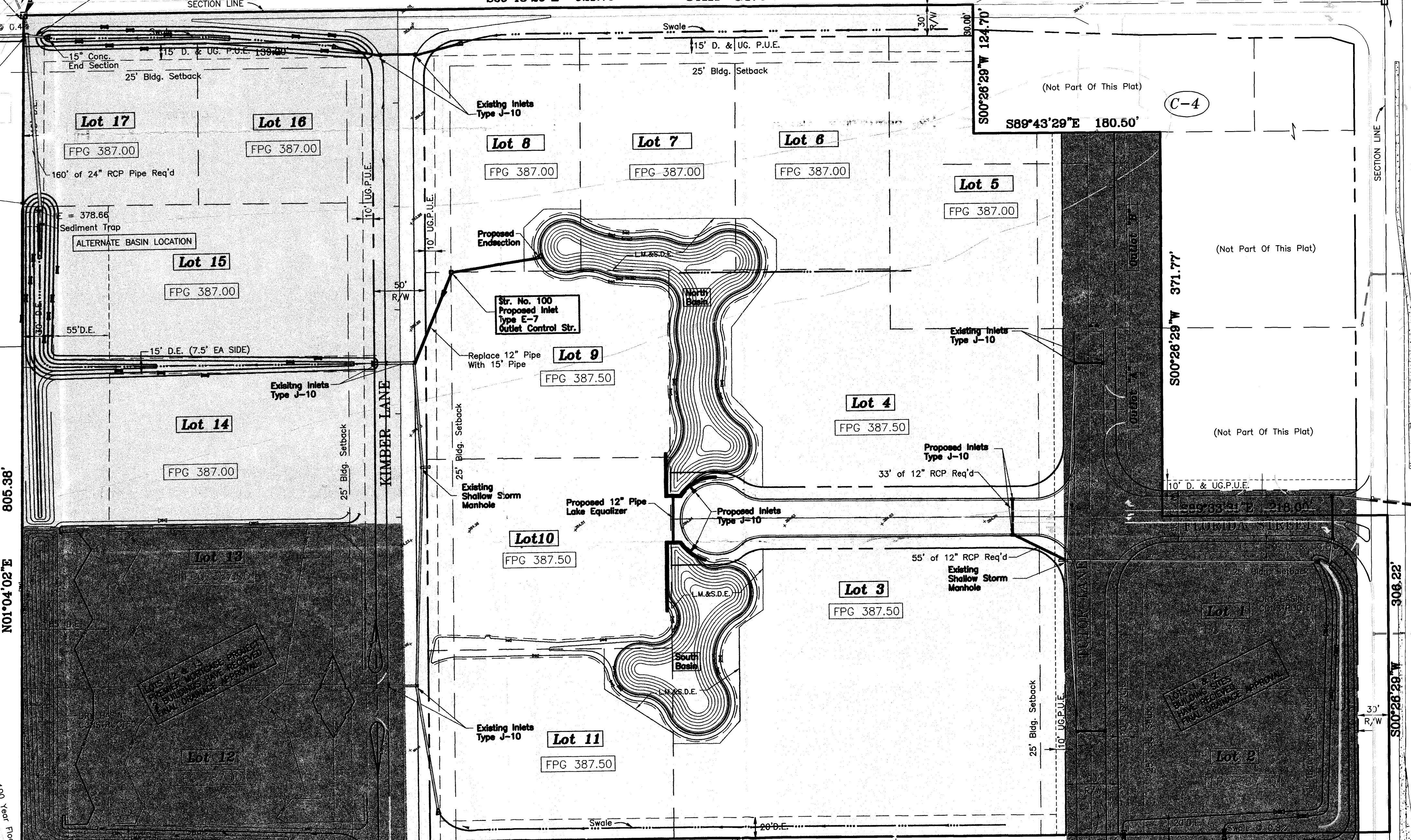
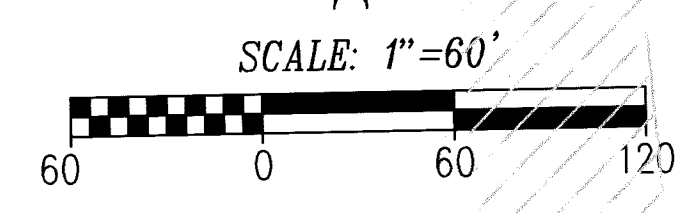
SW COR.
E 1/2, NE 1/4
24-6-10

SE COR.
E 1/2, NE 1/4
24-6-10
PIN IN MON.
BOX FND.

Cast in Place Headwall
or Precast End Section
W/24" Flap Gate
See Detail
I.E. 377.50

Proposed Shallow
Manhole
Rim 383.0
I.E. 378.02

Outlet Control Structure
Rim 381.31
I.E. 378.66 (24" Out)
I.E. 378.75 (18" In)



HYDRAULIC SUMMARY LOTS 3-13

(Refer to Drainage Report)

Contributing Area = 10.83 Acres
Allowable Outflow Rate = 5.72 CFS
Outlet Pipe - 15" 5.72 CFS @ HW = 384.2±
Base Pool Elev. = 382.50

52,945 CF = 25 Yr Storm Storage = Elev. 384±
70,222 CF = 25 Yr Storm Storage = Elev. 384.30
77,833 CF = 25 Yr Storm Storage = Elev. 384.50

GENERAL STORM SEWER SPECIFICATIONS

- All Materials Used Shall Be In Accordance With The Vanderburgh County Drainage Ordinance Dated October 1994.
- Storm Sewer Pipe May Be Plastic or Concrete As Approved By Owner. Plastic Pipe Shall Be ADS-N-12 Or Equal. No Plastic End Treatment Will Be Allowed. Concrete End Sections Must Be Used With Plastic Pipe. All Pipe Must Meet The Manufacturers Recommendations For Minimum & Maximum Cover. In Areas Where Cover Does Not Fall Within The Manufacturers Recommendations, Concrete Pipe Must Be Used.
- High Density Polyethylene Type S (HDPE) Pipe Shall Be Manufactured In Accordance With AASHTO M294. Pipe Shall Have Minimum Cell Classification Of D 324420C In Accordance With ASTM D3350.
- HDPE Pipe Shall Possess Male & Female Pipe Ends Which Allow For The Construction Of Overlapping, Gasketed Pipe Joints In Conformance With AASHTO M294.
- Reinforced Concrete Pipe Shall Be Class III, IV or V In Accordance With ASTM C76 Latest Edition.
- A Minimum "B" Wall Thickness Is Required. Joints Shall Be Provided With A Groove On The Spigot For Placement Of A Rubber Gasket In Accordance With ASTM C443.
- All Manholes & Inlet Boxes Shall Be Constructed As Shown Hereon.
- All Parking Lot Inlets and Area Drains Shall Be Precast Boxes. As per the INDOT Standard Specifications.
- All Cleanouts for the Roof Drains Shall be Constructed as Shown Hereon.

LEGEND

- Area Being Considered For Final Drainage Approval
- Areas Having Previously Received Final Drainage Approval
- Area Yet To Be Considered For Final Drainage Approval

MONUMENT LEGEND

- FOUND MONUMENT
- SET MONUMENT
- IRON PIN FOUND

