

Simulations
Photos
All Graphics (no plans)

FRY'S FUEL CENTER 621
FUEL CENTER EXPANSION - CONTEXT AERIAL
SCOTTSDALE, AZ



9-UP-2016
12/06/16

PROPERTY OWNER
 FRY'S FOOD STORES OF ARIZONA
 500 S 90TH AVE
 TOLLESON, ARIZONA 85353
 P: 623-907-7188
 ATTN: DAVE HILL

CIVIL ENGINEER
 SUSTAINABILITY ENGINEERING GROUP
 8200 E GILDMERE DR #101
 SCOTTSDALE, ARIZONA 85260
 P: 480-598-7226
 ATTN: ALI FAKH

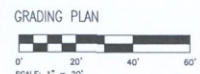
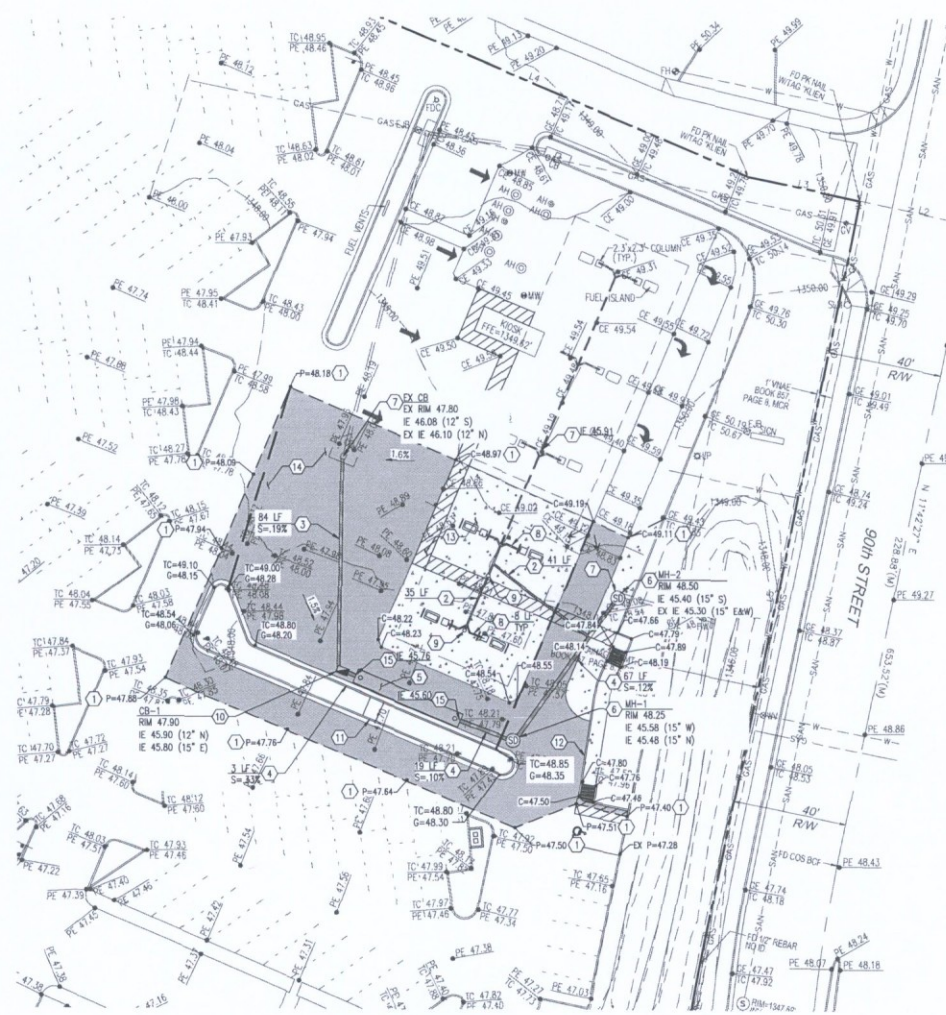
DEVELOPER
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FRY'S FC #621
FUEL CENTER EXPANSION GRADING AND DRAINAGE PLAN
 SCOTTSDALE, AZ

BENCHMARK
 BENCHMARK IS A CITY OF SCOTTSDALE BRASS CRAP
 IN A HANGHOLE AT THE INTERSECTION OF SHEA
 BOULEVARD AND 92ND STREET.
 ELEVATION = 1372.195' (NAVD 88)

GRADING NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR HIS OWN ESTIMATE OF EARTHWORK QUANTITIES.
2. PROPOSED SPOT ELEVATIONS SHOWN REPRESENT FINISHED PAVING, SIDEWALK, SLAB, GUTTER FLOWLINE, OR GROUND ELEVATION. ADJUSTMENT TO SUBGRADE IS THE CONTRACTOR'S RESPONSIBILITY.
3. SPOT ELEVATIONS SHALL TAKE PRECEDENCE OVER CONTOURS AND SLOPES SHOWN. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF SPOT ELEVATIONS WHICH DO NOT APPEAR TO BE CONSISTENT WITH THE CONTOURS AND SLOPES. SPOT ELEVATIONS AND SPECIFIC PROFILE DESIGN SHALL BE USED FOR SETTING ELEVATIONS OF CURB AND GUTTERS AND UTILITIES.
4. ALL DISTURBED AREAS THAT ARE UNGRADED OR ARE NOT DESIGNATED AS LANDSCAPE AREAS ARE TO BE STABILIZED.
5. IF STRIPPED MATERIALS CONSISTING OF VEGETATION AND ORGANIC MATERIALS ARE STOCKPILED ON THE SITE, THESE MATERIALS MAY BE PLACED TO A HEIGHT OF FIVE FEET. SILT FENCE SHALL BE PLACED AROUND THE BASE OF THE STOCKPILE AND THE STOCKPILE SHALL BE SEEDED WITH NATIVE SEED MIX IMMEDIATELY AFTER STRIPPING OPERATIONS ARE COMPLETE.
6. IF APPLICABLE, LIME TREATED SUBGRADE MATERIAL SHOULD MEET ARIZONA HIGHWAY DEPARTMENT SPECIFICATIONS. A SPECIFIC MIX DESIGN SHOULD BE PREPARED BY THE GEOTECHNICAL CONSULTANT.
7. ALL UTILITIES (MANHOLES, VALVE COVERS, CLEANOUTS, VAULTS, BOXES, ETC.) SHALL BE ADJUSTED TO PROPOSED GRADE PRIOR TO PLACEMENT OF THE FINAL LIFT OF ASPHALT.
8. ALL EARTH MOVING AND PLACEMENT OPERATIONS SHALL BE IN CONFORMANCE WITH THE RECOMMENDATIONS IDENTIFIED IN THE SOILS REPORT. THE CONTRACTOR SHALL HAVE A SIGNED AND SEALED COPY OF THE SOILS REPORT ON THE SITE AT ALL TIMES.
9. SUBGRADE WITHIN ASPHALT PARKING AREAS SHALL BE CONSTRUCTED TO WITHIN 0.10 FEET OF THE DESIGN SUBGRADE ELEVATION. HOWEVER, ON THE FINISHED ASPHALT SURFACE, THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE IN ALL PAVEMENT AREAS AND ALONG ALL CURBS. ALL CURBS SHALL BE BUILT IN ACCORDANCE TO THE PLAN. CURBS OR PAVEMENT AREAS WHICH DO NOT PROVIDE PROPER DRAINAGE MUST BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.
10. WHERE NEW CURB AND GUTTER IS BEING CONSTRUCTED ADJACENT TO EXISTING ASPHALT, THE FOLLOWING SHALL APPLY: PRIOR TO PLACEMENT OF ANY CONCRETE THE CONTRACTOR SHALL HAVE A LICENSED SURVEYOR VERIFY GRADE AND CROSS SLOPE OF THE CURB AND GUTTER FORMS. THE CONTRACTOR SHALL SUBMIT THE SLOPES AND GRADES TO THE ENGINEER FOR APPROVAL PRIOR TO PLACEMENT OF CONCRETE. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY SECTION WHICH DOES NOT CONFORM TO THE DESIGN OR THE TYPICAL SECTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CURB AND GUTTER POURED WITHOUT APPROVAL OF THE ENGINEER.
11. VERIFY REQUIRED SPOT ELEVATIONS/GRADING IN THE VICINITY OF THE BUILDING WITH THE ARCHITECTURAL PLANS.
12. SITE GRADING SHALL BE PERFORMED TO PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDING AT ALL TIMES TO ENSURE NO STANDING WATER.
13. PROVIDE THICKENED PAVEMENT TRANSITION AROUND STRUCTURES AND AT OPEN EDGE OF PAVEMENT SECTION.
14. UNDERDRAINS MAY BE ADDED, IF DETERMINED NECESSARY BY THE ENGINEER OR CONSTRUCTION MANAGER, AFTER SUBGRADE IS ROUGH GRADED.
15. UNLESS OTHERWISE INDICATED AT A SPECIFIC LOCATION, ALL FINISHED GRADES ARE TO CONFORM TO AND MATCH EXISTING GRADES.
16. THE CONTRACTOR SHALL PRESERVE EXISTING VEGETATION WHERE POSSIBLE AND/OR AS NOTED ON DRAWINGS.
17. THE CONTRACTOR IS ADVISED THAT ALL EXCAVATION IS CONSIDERED UNCLASSIFIED AND THAT HE SHALL BE RESPONSIBLE FOR ALL MEANS, METHODS, AND MATERIALS OF CONSTRUCTION TO COMPLETE THE PROJECT AS DESIGNED. ADDITIONALLY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE OFF-SITE DISPOSAL OF ANY AND ALL EXCESS OR UNSUITABLE MATERIAL AND THE IMPORTATION OF ANY BORROW MATERIAL NECESSARY TO COMPLETE THE JOB.
18. CONTRACTOR TO NOTIFY ADVANCED DRAINAGE SYSTEMS OF RELOCATION OF EXISTING WATER QUALITY UNIT. ADS WILL ASSIST IN FIELD INSPECTION, REPLACEMENT OF WATER TIGHT GASKETS, AND OVERALL RELOCATION. WATER QUALITY UNIT TO BE CLEANED WITH VACUUM TRUCK PRIOR TO RELOCATION.



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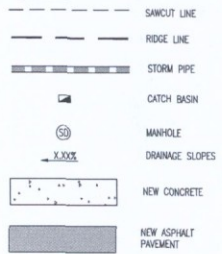


VICINITY MAP
 SCALE: NTS

KEY NOTES:

1. MATCH EXISTING GRADE. CONTRACTOR TO VERIFY IN FIELD ALL GRADES PRIOR TO ANY CONSTRUCTION ACTIVITIES AND TO CONTACT ENGINEER IN CASE OF ANY DISCREPANCIES.
2. INSTALL 8" PVC
3. INSTALL 12" HDPE
4. INSTALL 15" HDPE
5. RELOCATE AND INSTALL EXISTING 60"x40" WATER QUALITY UNIT. REFER TO GRADING NOTE 18 ON THIS SHEET
6. INSTALL NYLOPLAST STORM DRAIN MANHOLE
7. CONNECT TO EXISTING UNDERGROUND STORM PIPE, PROVIDE TIGHT JOINT
8. INSTALL 4" PVC
9. CONSTRUCT CLEANOUT PER MAG STD DTL 441
10. INSTALL NYLOPLAST CATCH BASIN
11. INSTALL 6" CURB AND GUTTER
12. INSTALL 6" VERTICAL CURB
13. CONCRETE PAVEMENT
14. ASPHALT PAVEMENT HEAVY DUTY
15. CONNECT TO RELOCATED WATER QUALITY UNIT

LEGEND:



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PROJECT: FRY'S FUEL CENTER #621 EXPANSION
LOCATION: 8350 WASH. 90TH STREET, SCOTTSDALE, AZ 85268

DRAWN: SANTIAGO
DESIGNED: FOUNDS
CHECKED: FOUNDS
PREP. WDR: FAKH

DATE: 12-06-2016
ISSUED FOR: CUP/DRB
REVISION NO.: DATE:
 1
 2
 3
 4

SHEET TITLE: GRADING AND DRAINAGE PLAN
JOB NO.: 160821
SHEET NO.: C3.00

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