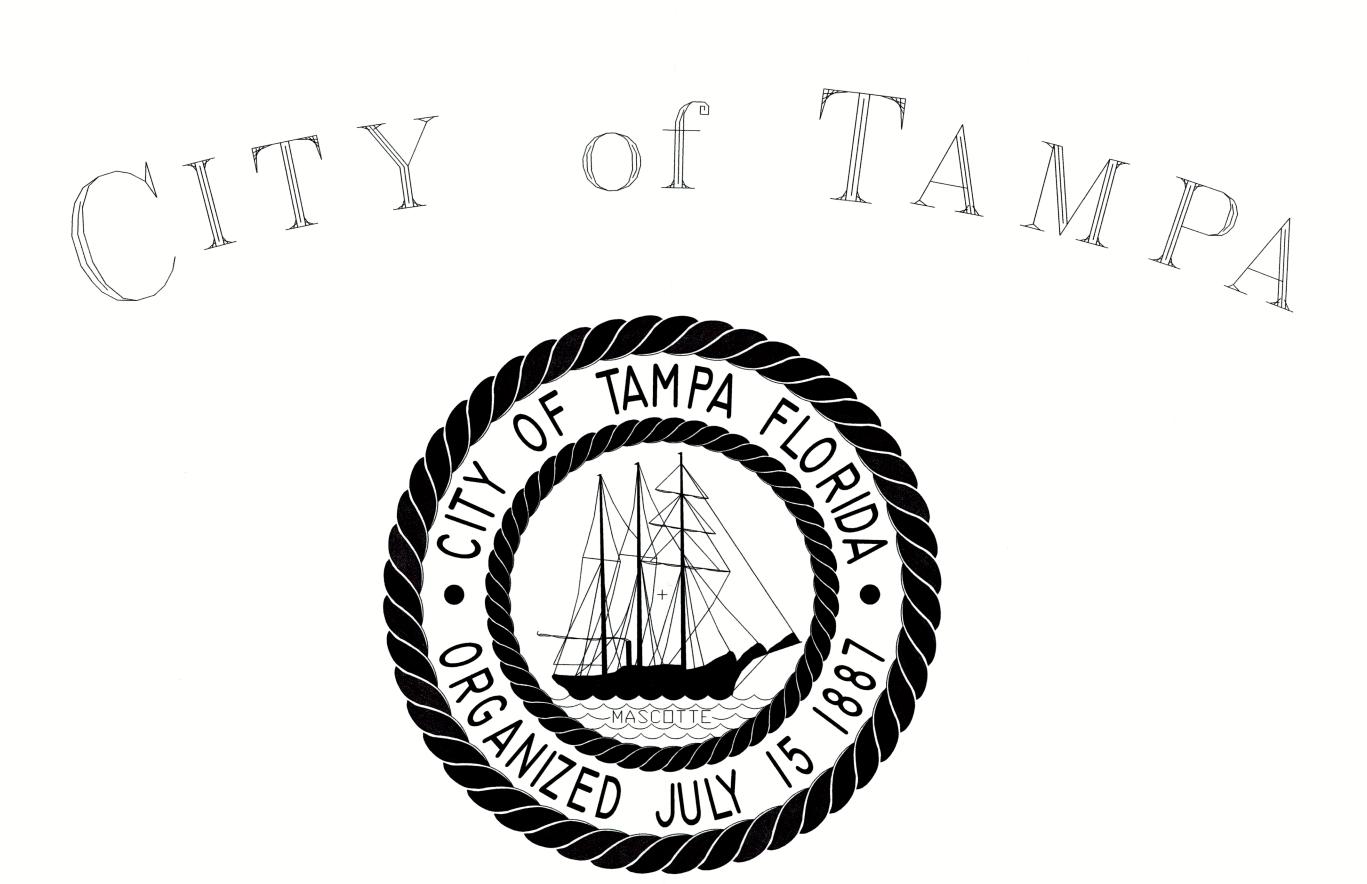
The Enclosed Document Is Provided For Your Convenience.

Please Email ALL Questions:

MailTo:ContractAdministration@TampaGov.net

Please Let Us Know If You Plan To Bid

City of Tampa
Contract Administration Department
306 E. Jackson St. #280A4N
Tampa, FL 33602
(813)274-8456



DEPARTMENT OF TRANSPORTATION AND STORMWATER SERVICES STORMWATER ENGINEERING DIVISION

PLANS FOR

KENSINGTON AVENUE
GROUNDWATER DIVERSION
CONTRACT NO. 15C00054

PROJECT #1000573

RICHARD ALFRED HOEL, P.E. #41026 CHIEF ENGINEER

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CITY of TAMPA

Department of Transportation and Stormwater Services

Stormwater Engineering Division

COVER SHEET

SHEET |

LEGEND



ABBREVIATIONS

TOP of PIPE INVERT ELEVATION IE or INV EL RIGHT of WAY *MANHOLE* MHPVCPPOLYVINYL CHLORIDE PIPE VCPVITRIFIED CLAY PIPE ADVANCED DRAINAGE SYSTEM ADS DIPDUCTILE IRON PIPE REINFORCED CONCRETE PIPE RCPCONCRETE PIPE APPROXIMATE LOCATION BENCH MARK POINT of INTERSECTION

GENERAL NOTES

- 1. THE CITY OF TAMPA RELIED ENTIRELY UPON THE BOUNDARY AND TOPOGRAPHIC SURVEY PREPARED BE ECHEZABAL AND ASSOCIATES, INC. DATED 11/6/14, FOR THE EXISTING CONDITIONS WHICH WERE USED AS A BASE FOR THIS DESIGN. FIELD WORK WAS COMPLETED ON AND WAS RECORDED IN FIELD BOOK #39.
- 2. ELEVATIONS SHOWN HEREON ARE BASED ON B1443 WITH AN ELEVATION OF 12.59' AND REFERENCED TO NAVD 1988 VERTICAL DATUM.
- 3. THE PROPERTY SHOWN HEREON FALLS WITHIN FLOOD ZONE "X", AS SHOWN ON THE FLOOD INSURANCE RATE MAP. COMMUNITY PANEL NUMBER 12057C0361H, REVISED DATE AUGUST 28, 2008.
- 4. ECHEZABAL AND ASSOCIATES, INC. MAKES NO REPRESENTATIONS OR GUARANTEES PERTAINING TO EASEMENTS, RIGHT—OF—WAY, SET BACK LINES, RESERVATIONS, AGREEMENT AND OTHER SIMILAR MATTERS. RIGHT OF WAY SHOWN IS APPROXIMATE AND BASED ON RECORD PLAT.
- 5. NO EXCAVATION WAS PERFORMED TO VERIFY THE LOCATION OR EXISTENCE OF ANY UNDERGROUND UTILITIES, ENCROACHMENTS, IMPROVEMENTS, STRUCTURES OR FOUNDATIONS.
- THE LOCATION OF EXISTING UTILITIES ARE APPROXIMATE AS SHOWN AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION OF THE UTILITIES PRIOR TO CONSTRUCTION IN THEIR VICINITY. THE CONTRACTOR SHALL NOTIFY ALL CONCERNED PUBLIC AGENCIES AND UTILITY COMPANIES IN THE AREA BEFORE BEGINNING CONSTRUCTION, INCLUDING "SUNSHINE" AT 1-800-432-4770.
- 7. ADDITIONS OR DELETIONS TO SURVEY MAPS OR REPORTS BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.
- 8. ALL BASELINES HAVE A NAIL & DISK SET AT EACH 100' STATION.
- 9. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS IN PDF FORMAT TO THE ENGINEER FOR REVIEW. SHOP DRAWINGS SHALL INCLUDE:
 - a) MANHOLE SHOP DRAWINGS AND CONC. STRENGTH REPORT.
 - b) FRAME AND COVER SHOP DRAWINGS.
 - c) STORM STRUCTURES AND PIPING. d) CONCRETE AND ASPHALT MIX DESIGN.
- 10. AT LEAST FIVE (5) DAYS PRIOR TO CONSTRUCTION OF UNDERGROUND UTILITIES, THE CONTRACTOR SHALL CONTACT THE CITY OF TAMPA CONSTRUCTION ADMINISTRATION TO ENSURE AVAILABILITY OF INSPECTION PERSONNEL. ANY WORK PERFORMED PRIOR TO NOTIFYING ENGINEER OF RECORD OR WITHOUT A DEPARTMENT INSPECTOR PRESENT MAY BE SUBJECT TO REMOVAL AND REPLACEMENT. SHOP DRAWINGS SHALL BE MADE AVAILABLE TO CITY INSPECTOR(S) UPON REQUEST.
- 11. ALL DESIGN AND CONSTRUCTION MUST CONFORM TO THE MINIMUM STANDARDS SET FORTH IN CITY OF TAMPA LAND DEVELOPMENT CODE
 AND/OR RELATED ORDINANCES SUCH AS TREE AND LANDSCAPE CODE, STORMWATER TECHNICAL STANDARDS AND FIRE CODES, APPLICABLE TO THE
 PROJECT AT TIME OF PERMITTING.
- 12. THE CONTRACTOR SHALL KEEP RECORD DRAWINGS OF THE UTILITY WORK AND SHALL SUBMIT ONE CERTIFIED COPY, PREPARED BY A REGISTERED LAND SURVEYOR TO THE ENGINEER PRIOR TO FINAL PAYMENT.
- 13. CONSTRUCTION MATERIAL TESTING WILL BE PROVIDED BY THE CONTRACTOR. ALL SOIL DENSITY, ASPHALT, AND CONCRETE TESTING WILL BE PROVIDED BY THE CITY OF TAMPA.
- 14. ALL RIGHT-OF-WAY INSTALLATIONS WILL BE IN ACCORDANCE WITH PRACTICES REFERENCED IN THE STATE OF FLORIDA UTILITIES ACCOMMODATIONS MANUAL AND PERMITTED THROUGH THE CITY OF TAMPA.
- 15. ALL EXISTING TRAFFIC SIGNS SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
- 16. ANY EXISITNG SIGN TO REMAIN THAT IS DISTURBED DURING CONSTRUCTION SHALL BE RESET TO CURRENT STANDARDS FOR HEIGHT, OFFSET AND METHOD OF INSTALLATION.
- 17. PRIOR TO ANY CONSTRUCTION/DEMOLITION, CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH UTILITY PROVIDERS, CITY OF TAMPA AND SHALL COORDINATE MEETING WITH OWNER.
- 18. CONTRACTOR SHALL RESTORE ALL LANDSCAPING, SODDING AND PAVEMENT THAT MAY BE DAMAGED DURING CONSTRUCTION TO IT'S ORIGINAL CONDITION OR BETTER. CONTRACTOR SHALL SOD ALL UNPAVED AREAS.
- 19. PROTECTIVE BARRICADES SHALL BE INSTALLED AROUND ALL PROTECTED TREES AND GRAND TREES WITHIN TEN(10) FEET OF THE WORK AREA PRIOR TO ANY CONSTRUCTION ACTIVITIES ON THE DEVELOPMENT SITE.
 - a) BARRICADES SHALL BE INSTALLED A MINIMUM OF TEN (10) FEET FROM A PROTECTIVE TREE AND A MINIMUM OF TWENTY (20) FEET FROM A GRAND TREE.
- 20. NO CHANGES SHALL TAKE PLACE TO THE PREDEVELOPMENT CONDITIONS WITHIN THE PROTECTIVE ROOT ZONE DURING THE CONSTRUCTION PROCESS, WITHOUT THE CONSENT OF THE PLANNING AND DEVELOPMENT, NATURAL
- 21. NO PARKING OR STORAGE OF VEHICLES, EQUIPMENT, OR MATERIALS IS ALLOWED WITHIN THE PROTECTIVE ROOT ZONE.
- 22. ALL TREE TRIMMING AND ROOT PRUNING MUST FOLLOW THE FOLLOWING REQUIREMENTS:

RESOURCES COORDINATOR.

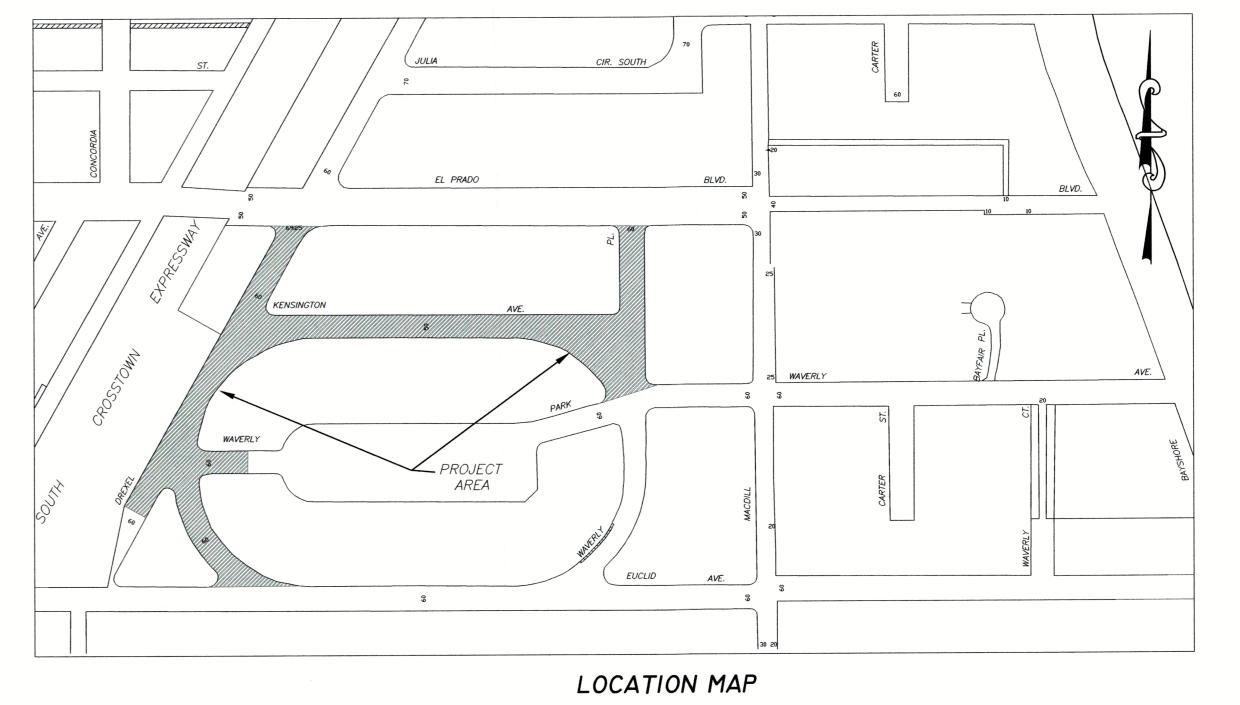
- a) ALL WORK MUST BE SUPERVISED BY A CERTIFIED ARBORIST b) ALL ROOTS MUST BE SEVERED CLEAN AT THE PROTECTIVE ROOT ZONE OF THE PROTECTIVE AND GRAND TREES TO PREVENT ROOT DAMAGE.
- c) ROOT PRUNING AND TREE TRIMMING MUST BE PERFORMED WITH AN APPROVED CUTTING TYPE EQUIPMENT, SUCH AS A CHAINSAW, HAND SAW, OR OTHER CUTTING EQUIPMENT.

INDEX

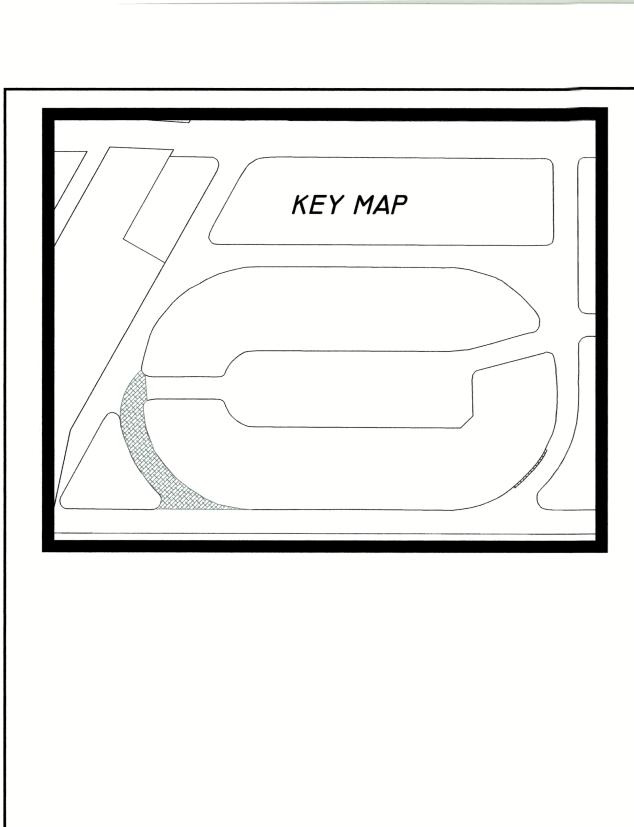
No.	DESCRIPTION
1	COVER SHEET
2	LEGEND, INDEX, NOTES AND MAP
3-10	PLAN AND PROFILE SHEETS
11	DETAIL SHEET

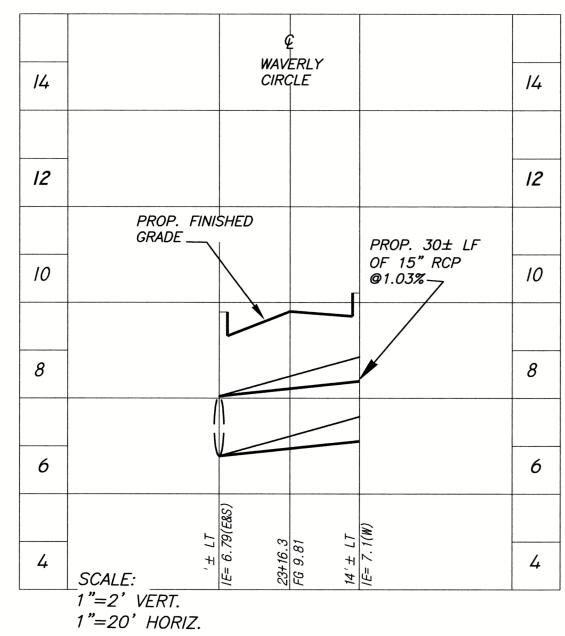
LIMITS OF CONSTRUCTION

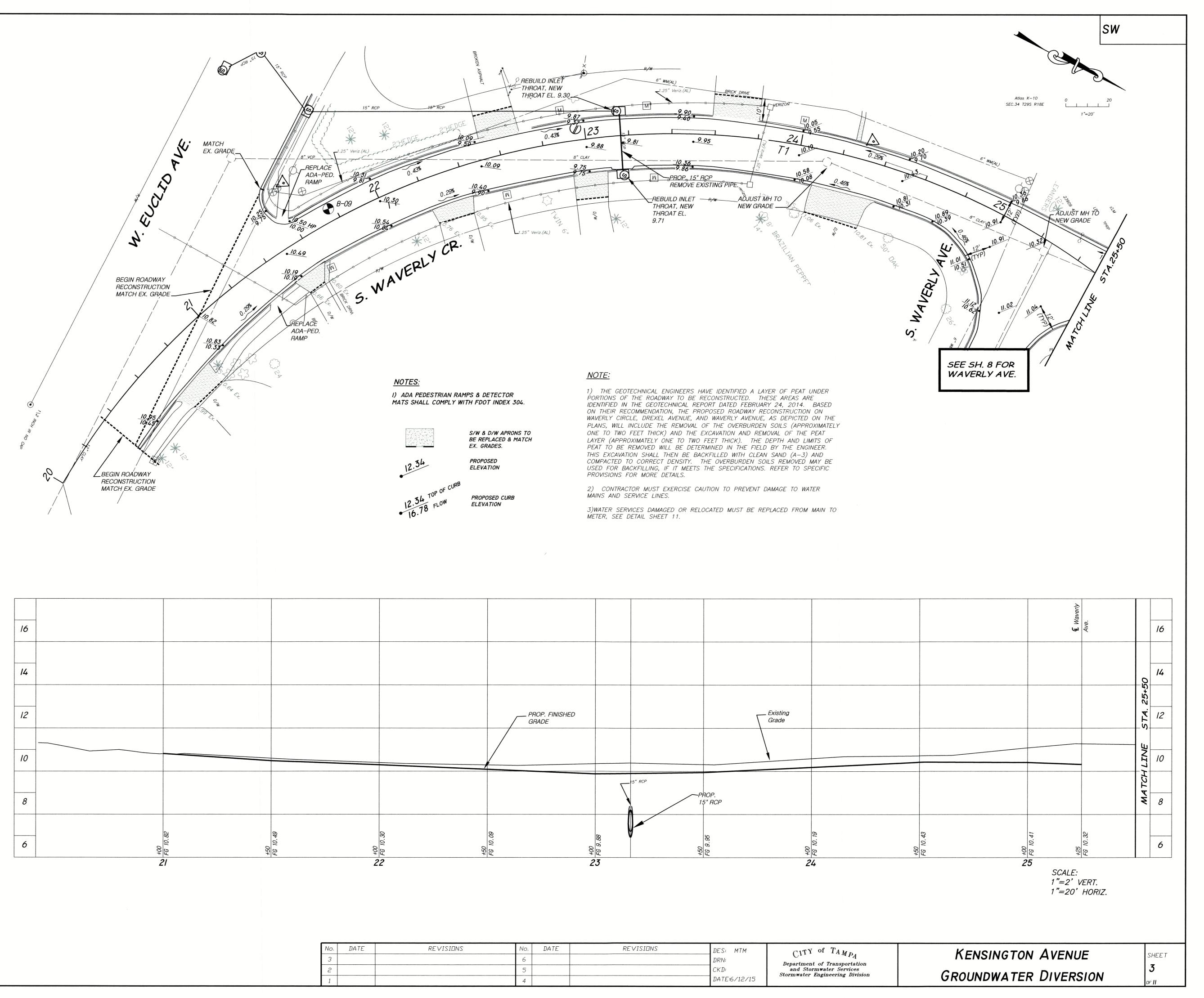
RIGHT OF WAY WAVERLY CR. FROM THE NORTHERN EDGE OF PAVEMENT AT EUCLID AVE. TO KENSINGTON AVE.; RIGHT OF WAY KENSINGTON AVE. FROM DREXEL AVE. TO WAVERLY PL.; WAVERLY PL. FROM THE SOUTHERN EDGE OF PAVEMENT OF EL PRADO BL. TO W. WAVERLY AVE.; RIGHT OF WAY OF DREXEL AVE. FROM THE SOUTHERN EDGE OF PAVEMENT OF EL PRADO BL. TO THE TERMINUS SOUTHOF WAVERLY PK.; AND THE RIGHT OF WAY OF WAVERLY PK. EXTENDING EASTWARD 200 FEET FROM WAVERLY CR.



SHEET	KENSINGTON AVENUE	CITY of TAMPA	DES: MTM	REVISIONS	No. DATE	REVISIONS	DATE
2	KENSING FOR AVENUE	Department of Transportation	DRN: M2		6		
2	LEGEND, INDEX & LOCATION MAP	and Stormwater Services Stormwater Engineering Division	CKD:		5		
OF 11	LLOUND, INDEX & LOCATION TIA		DATE:6/12/15		1		





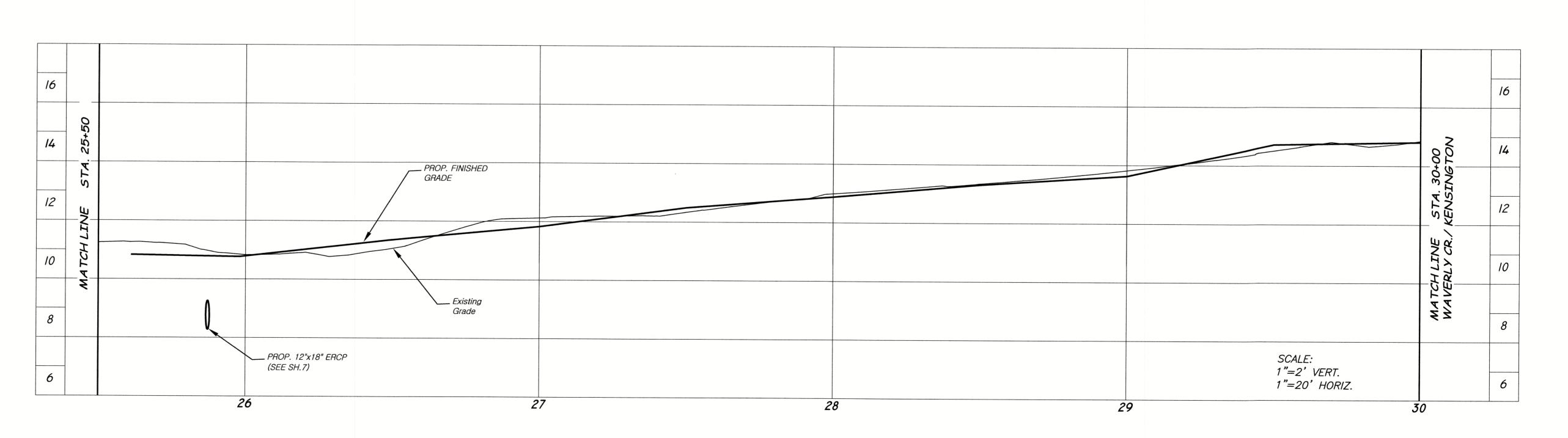


1) THE GEOTECHNICAL ENGINEERS HAVE IDENTIFIED A LAYER OF PEAT UNDER PORTIONS OF THE ROADWAY TO BE RECONSTRUCTED. THESE AREAS ARE IDENTIFIED IN THE GEOTECHNICAL REPORT DATED FEBRUARY 24, 2014. BASED ON THEIR RECOMMENDATION, THE PROPOSED ROADWAY RECONSTRUCTION ON WAVERLY CIRCLE, DREXEL AVENUE, AND WAVERLY AVENUE, AS DEPICTED ON THE PLANS, WILL INCLUDE THE REMOVAL OF THE OVERBURDEN SOILS (APPROXIMATELY ONE TO TWO FEET THICK). THE DEPTH AND LIMITS OF PEAT TO BE REMOVED WILL BE DETERMINED IN THE FIELD BY THE ENGINEER. THIS EXCAVATION SHALL THEN BE BACKFILLED WITH CLEAN SAND (A-3) AND COMPACTED TO CORRECT DENSITY. THE OVERBURDEN SOILS REMOVED MAY BE USED FOR BACKFILLING, IF IT MEETS THE SPECIFICATIONS. REFER TO SPECIFIC PROVISIONS FOR MORE DETAILS.

2) CONTRACTOR MUST EXERCISE CAUTION TO PREVENT DAMAGE TO WATER MAINS AND SERVICE LINES.

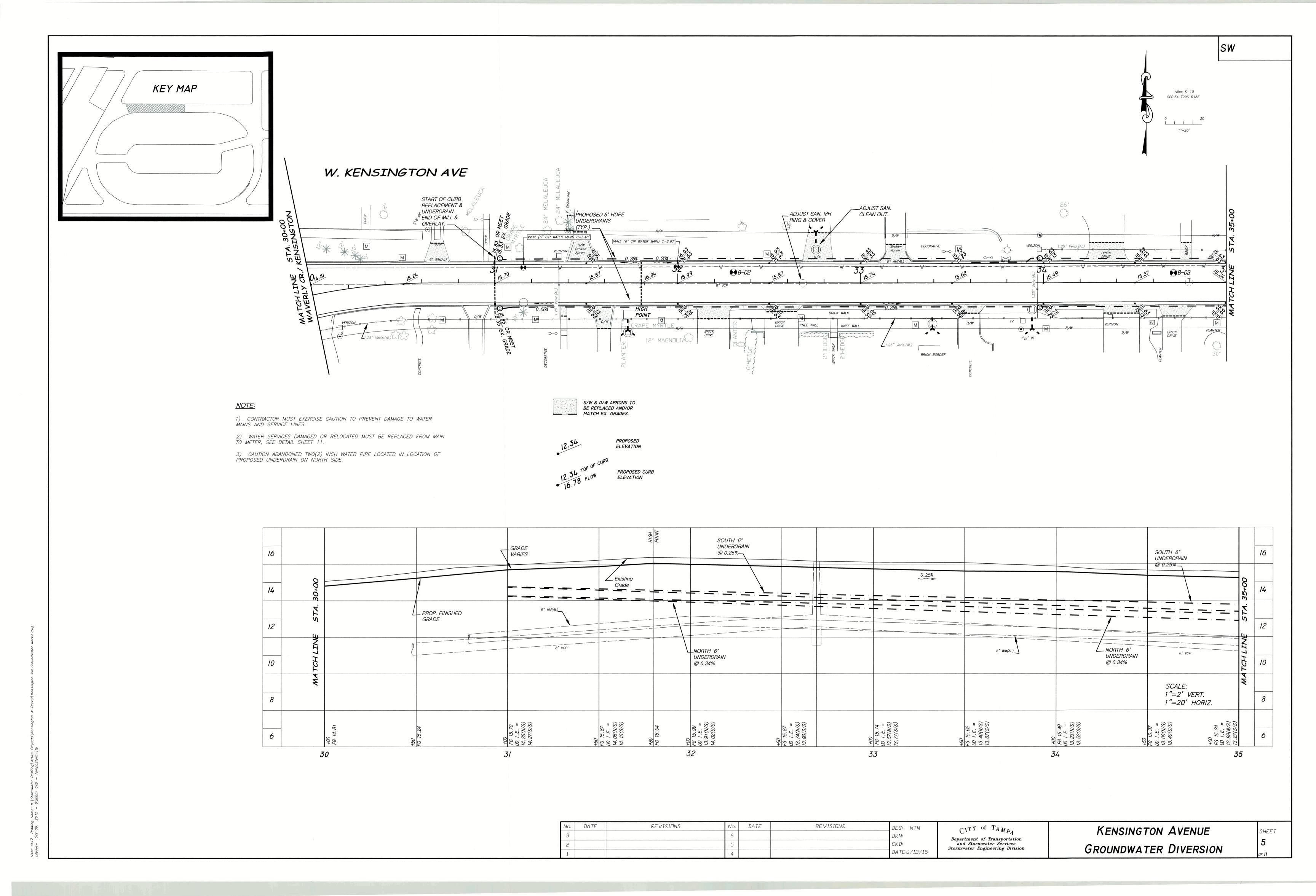
3)WATER SERVICES DAMAGED OR RELOCATED MUST BE REPLACED FROM MAIN TO METER, SEE DETAIL SHEET 11.

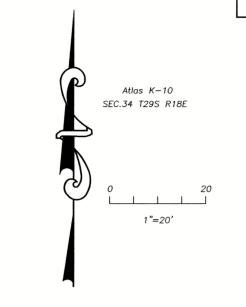
S. DREXEL AVE. 15" PALM 6' CHAINLINK FENCE SEE SH.7 & 8 FOR DREXEL AVE. _ *PROP. 12"x18" ERCP* SEE SH. 7 SEE SH.7 & 8 FOR DREXEL AVE. RECONSTRUCTION & START OF MILL 12" ELM REMOVE & REPLACE
20' OF 8" VCP WITH REPLACE AND REPAVING 8" C900 AND FERNCO ADAPTERS S. WAVERLY CR. CLUSTER DOGWOOD S/W & D/W APRONS TO BE REPLACED & MATCH EX. GRADES. PROPOSED CURB ELEVATION



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2			5			CKD:	Department of Transportation and Stormwater Services	C = 0.11.5.11.4 = = = = D.1.1== 0.11.1	4
1			4			DATE:6/12/15	Stormwater Engineering Division	GROUNDWATER DIVERSION	OF 11

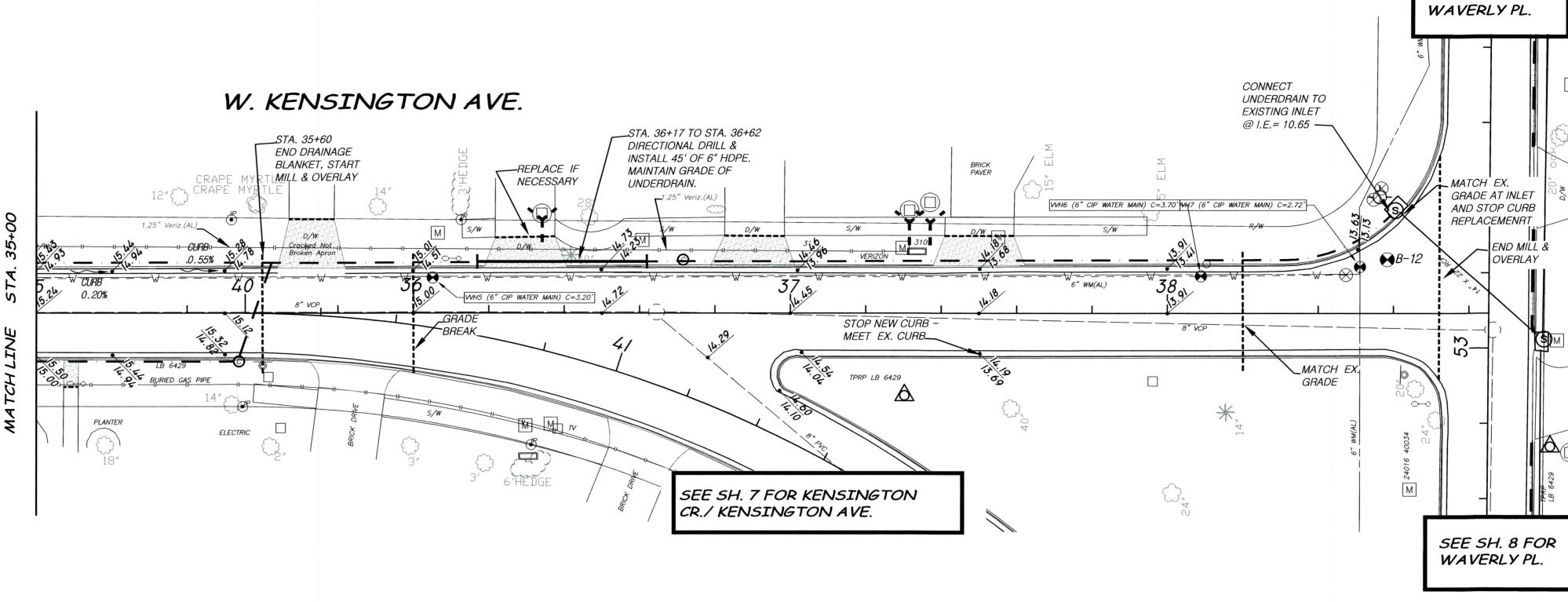
SEC.34 T29S R18E





SEE SH. 8 FOR

SW



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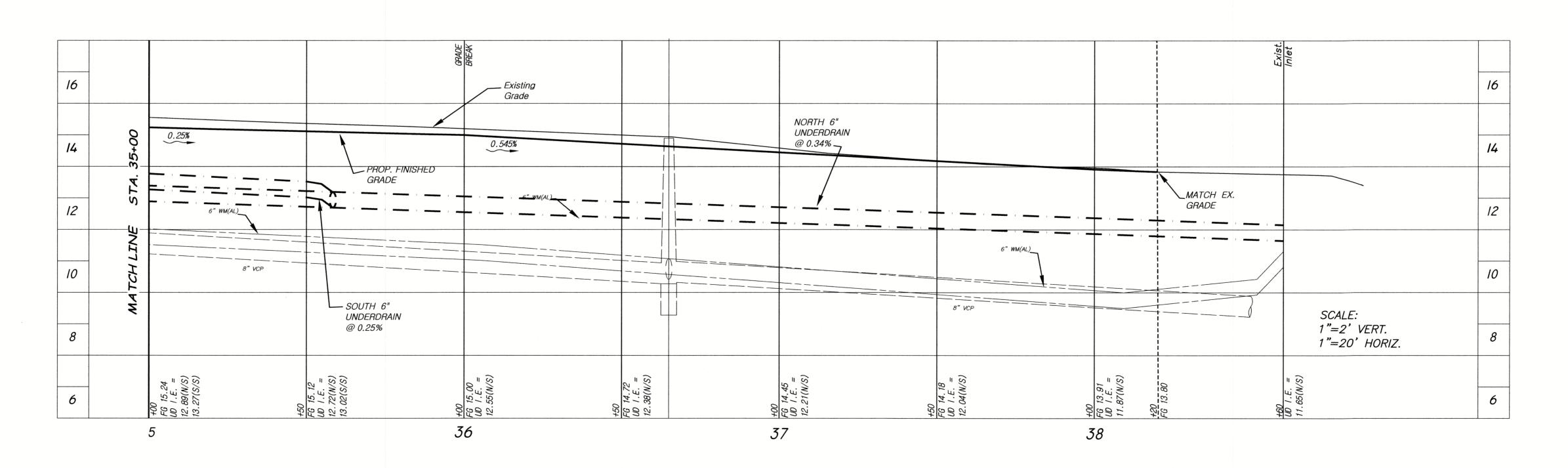
3) CAUTION ABANDONED TWO(2) INCH WATER PIPE LOCATED IN LOCATION OF PROPOSED UNDERDRAIN ON NORTH SIDE.

EX. GRADES.

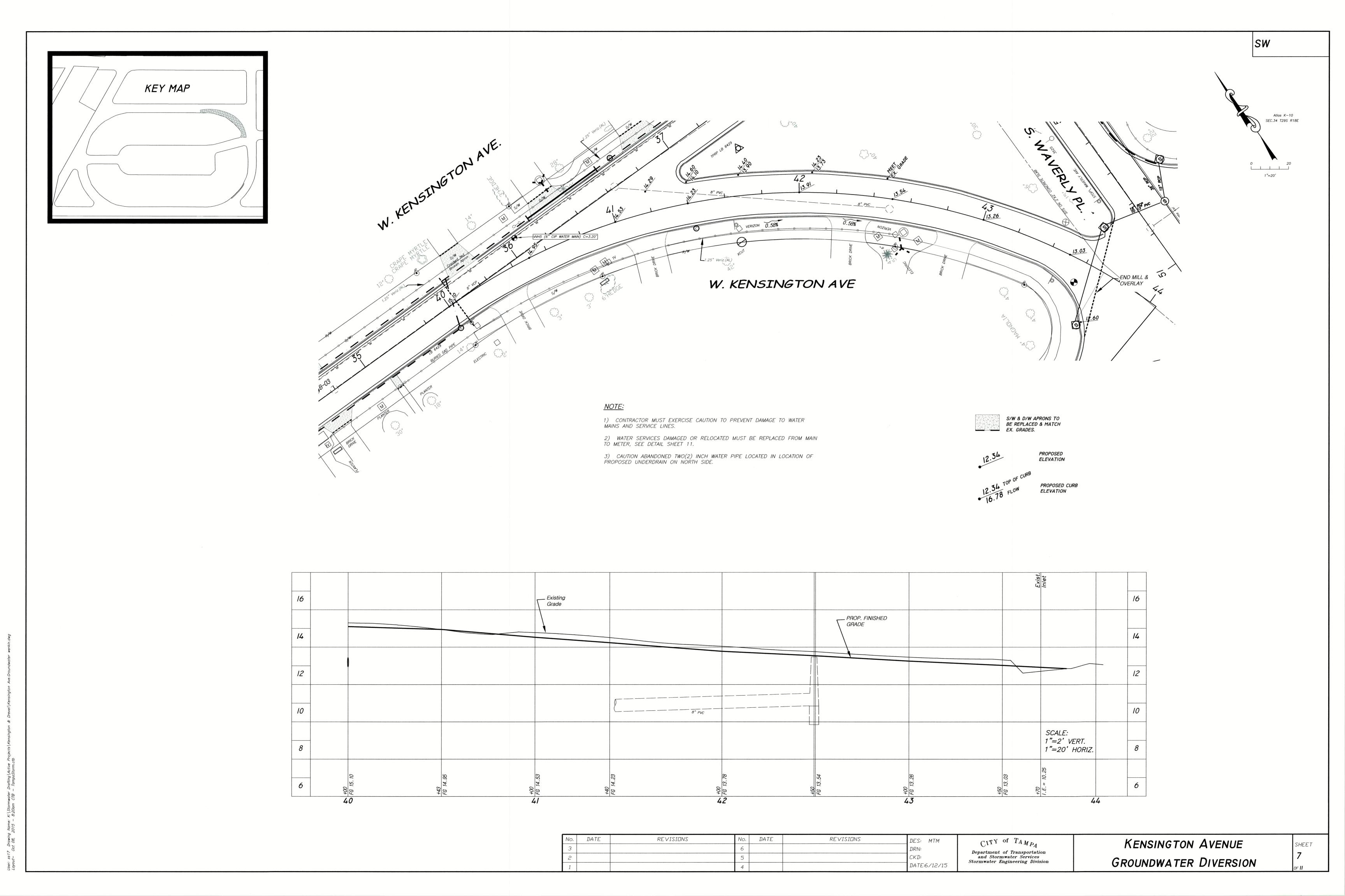
12.34 PROPOSED ELEVATION

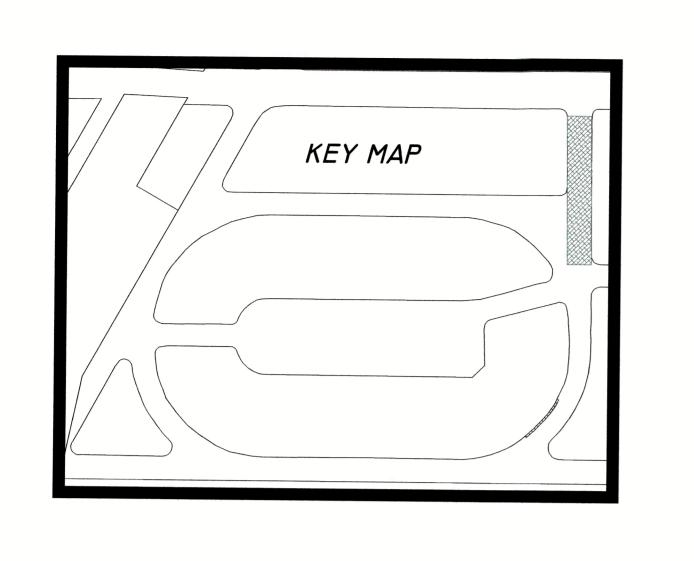
12.34 TOP OF CURB
PROPOSED CURB ELEVATION

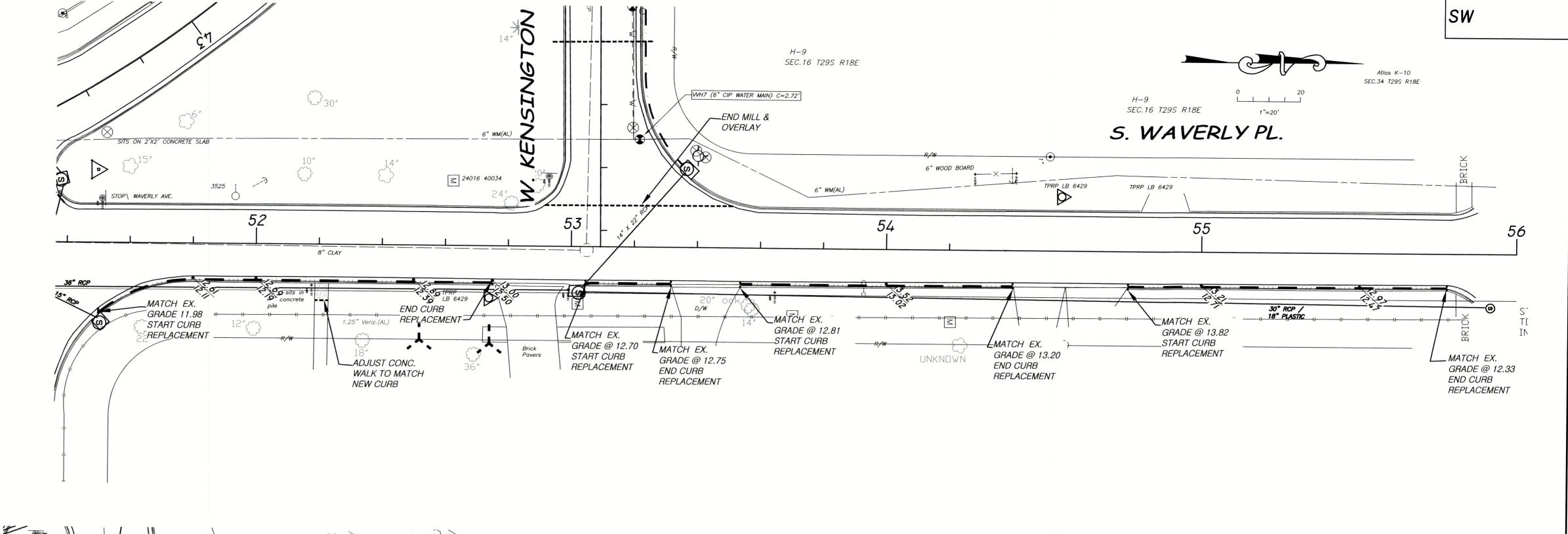
S/W & D/W APRONS TO BE REPLACED & MATCH

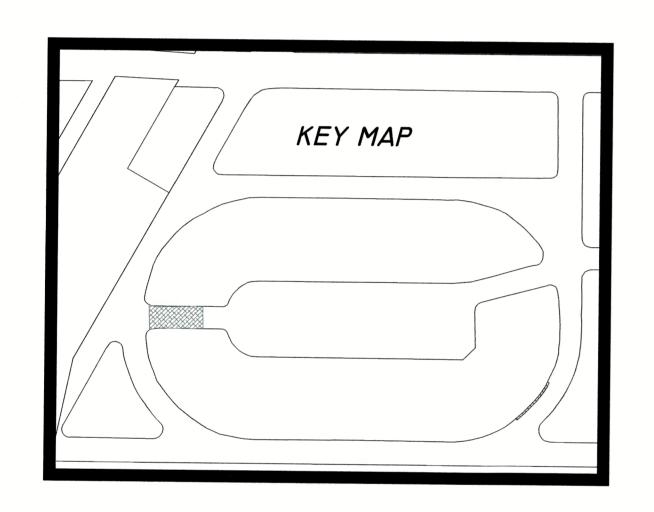


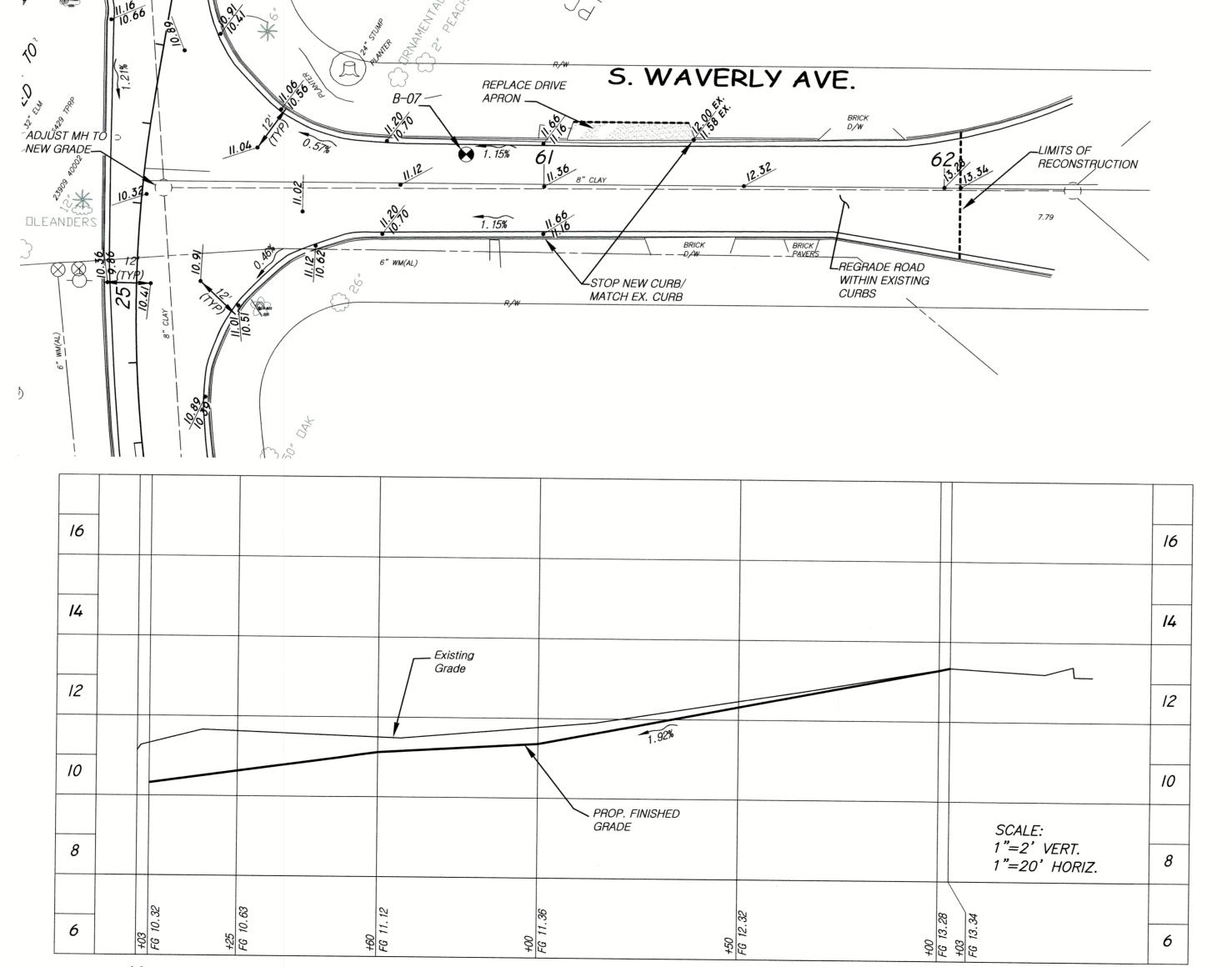
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3		6			DRN:	Department of Transportation	KENSINGTON AVENUE
2		5			CKD:	and Stormwater Services Stormwater Engineering Division	GROUNDWATER DIVERSION
1		4			DATE:6/12/15	and the second s	GROUNDWATER DIVERSION











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S/W & D/W APRONS TO BE REPLACED & MATCH

> PROPOSED ELEVATION

ELEVATION

EX. GRADES.

3) WATER SERVICES DAMAGED OR RELOCATED MUST BE REPLACED FROM MAIN TO METER, SEE DETAIL SHEET 11.

4) S. WAVERLY PL. TO BE MILLED & OVERLAID BY OTHERS.

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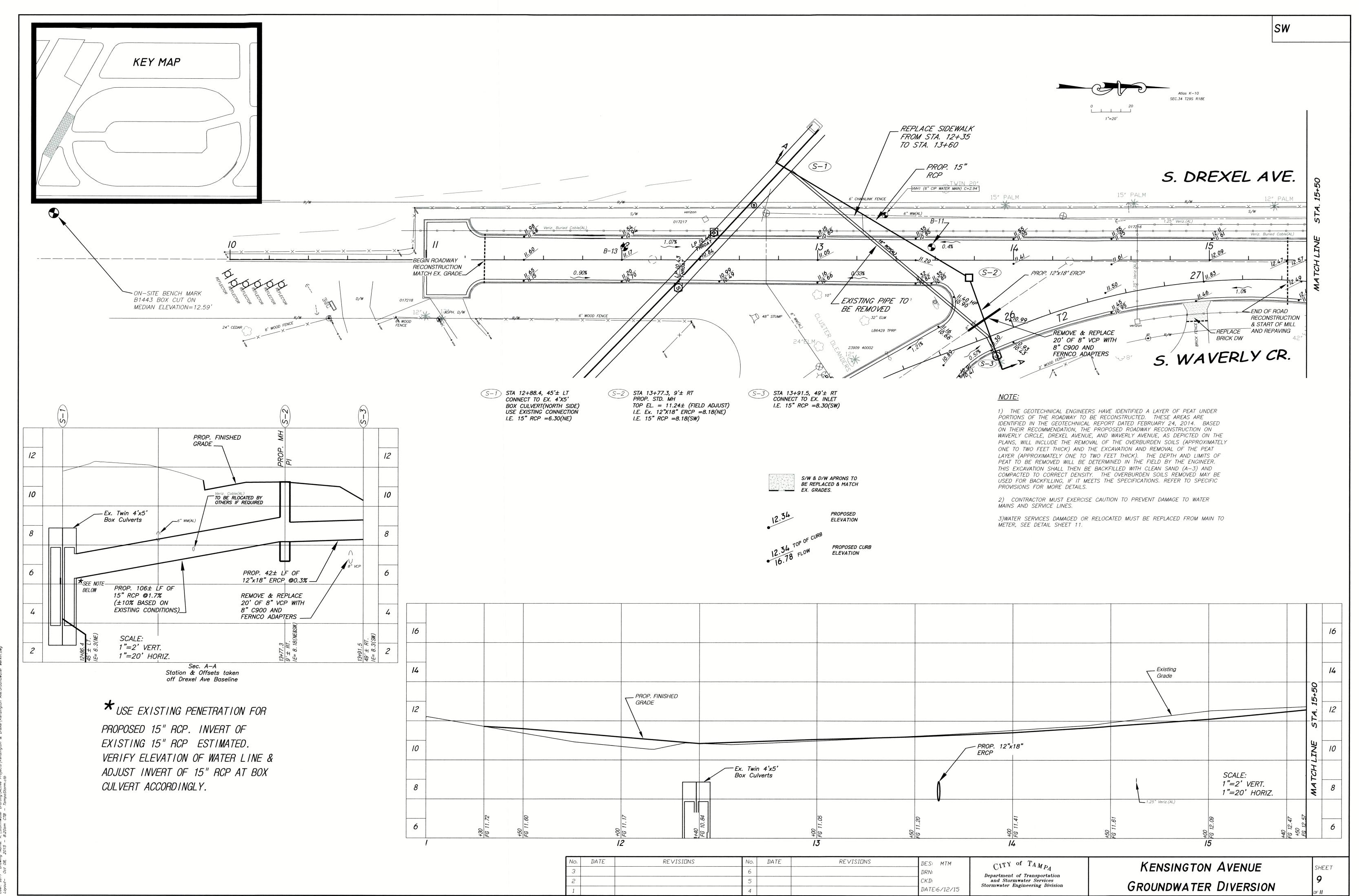
CITY of TAMPA

Department of Transportation
and Stormwater Services
Stormwater Engineering Division

REVISIONS

KENSINGTON AVENUE
GROUNDWATER DIVERSION

SHEET **8** of **11**



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SHEET

UNDERDRAIN & DRAINAGE BLANKET DETAIL

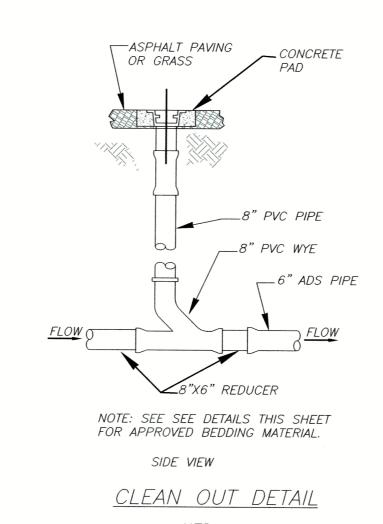
ANY BACKFILL ADJACENT TO UNDERDRAIN ENVELOPE SHALL BE CLEAN SAND(<5% FINER THAN #200 SIEVE) USF 7621 RING W/PLAIN
COVER CAST IN SIDEWALK
WITH FLANGE UP.

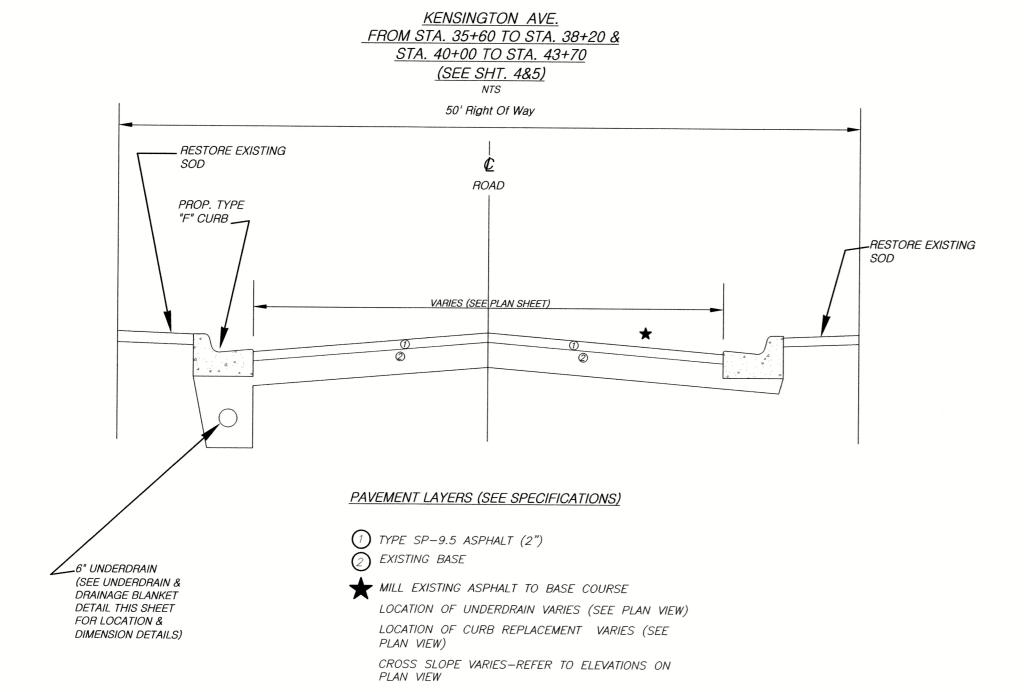
ASPHALT PAVING

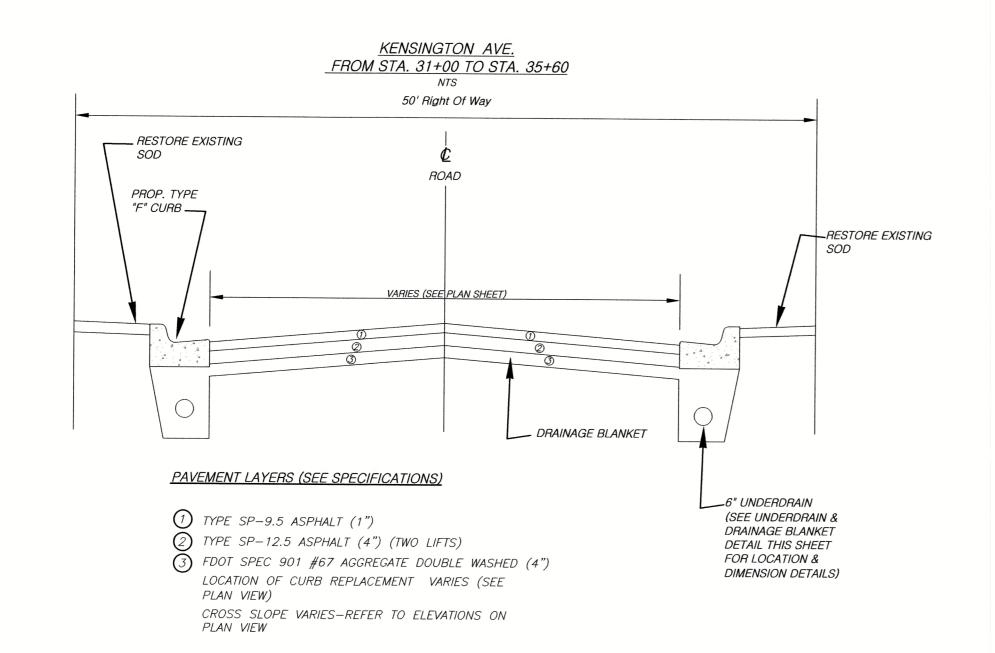
8" COMBINATION
WYE & \(\frac{1}{3} \) BEND

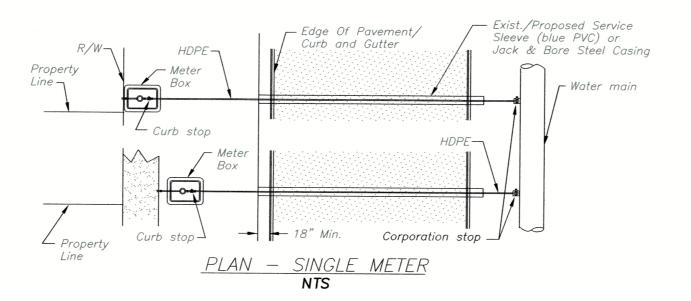
FRONT VIEW

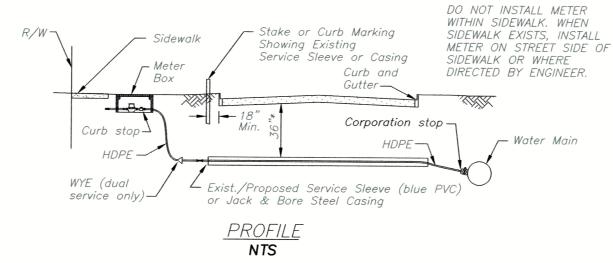
NTS











*36" min. or greater if required by appropriate agency.
**These line size requirements are also for 2" S.D.C.V.s

 CASING SPECIFICATION:

 1. If pushed—SCH 40 steel pipe (min.)

 2. If layed in open trench—SCH 40 steel pipe or SCH 80 PVC solvent weld pipe.

 SINGLE METER SIZE (inches)
 SERVICE LINE SIZE (inches)
 CASING SIZE (inches)

 (inches)
 (>15'-80')(>80'-150')
 (inches)

 3/4
 1
 2
 2

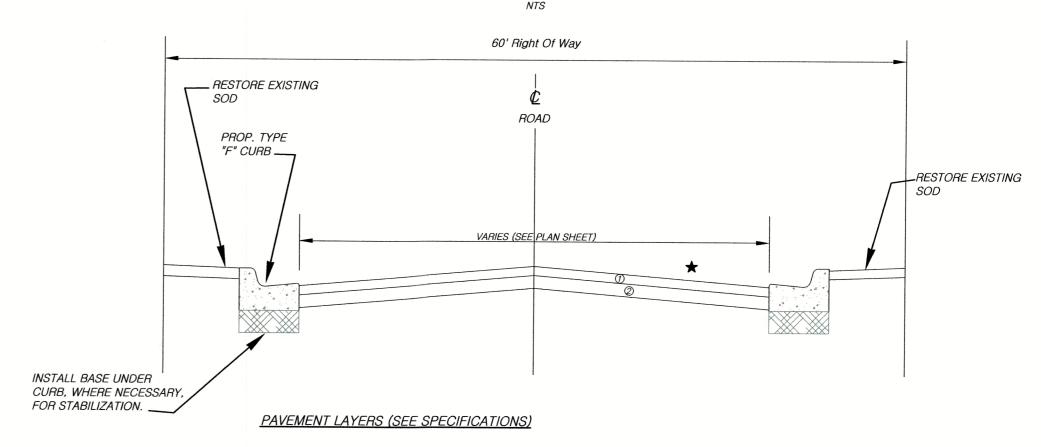
 1
 2
 2
 4

 1-1/2
 2
 2
 4

 2**
 4" D.I.P. 4" D.I.P. 12

WATER METER DETAIL

KENSINGTON AVE. FROM STA. 30+00 TO STA. 31+00, WAVERLY CIR. FROM STA. 27+45 TO STA. 30+00 & DREXEL AVE FROM STA. 15+40 TO STA. 20+20



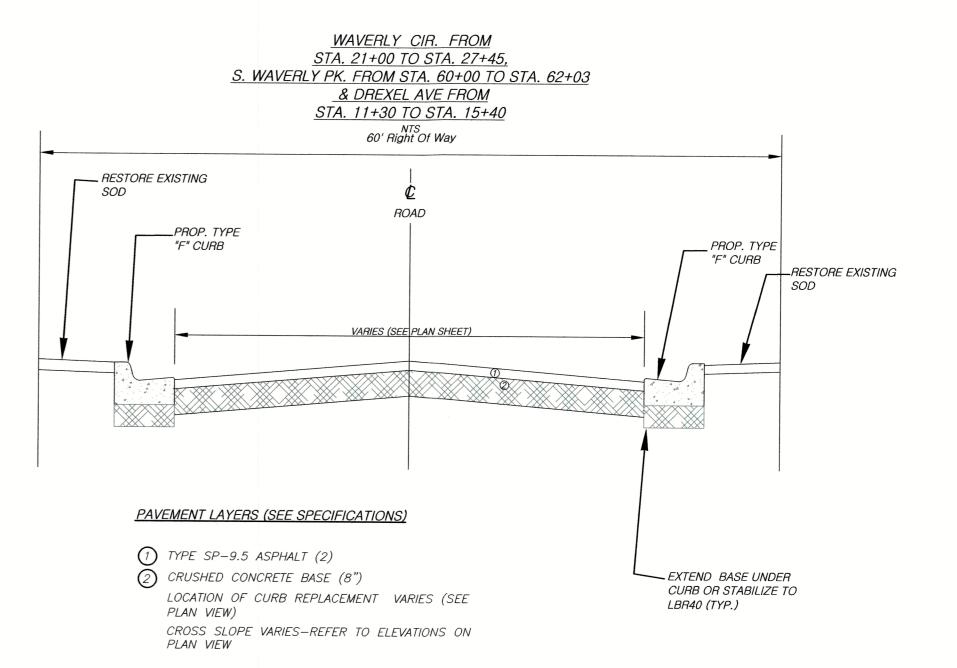
1) TYPE SP-9.5 ASPHALT (2")

2 EXISTING BASE

MILL EXISTING ASPHALT TO BASE COURSE

LOCATION OF CURB REPLACEMENT VARIES (SEE PLAN VIEW)

CROSS SLOPE VARIES—REFER TO ELEVATIONS ON PLAN VIEW



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DATE REVISIONS

No. DATE REVISIONS

BES: MTM
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CKD:
Department of Transportation and Stormwater Services
Stormwater Engineering Division

KENSINGTON AVENUE

GROUNDWATER DIVERSION