

TOPOGRAPHICAL SURVEY & SITE DEVELOPMENT PLAN

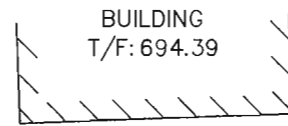
LOT 21 IN TUCK-A-WAY IN ORLAND 2, A SUBDIVISION OF LOTS 3 THROUGH 5, 13 THROUGH 20, 33 THROUGH 43 IN WILDWOOD HILLS, A SUBDIVISION OF PART OF THE EAST HALF OF THE WEST HALF OF THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 36 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN AND RECORDED AS DOCUMENT NUMBER 1665811 ON APRIL 25, 1956, AND THAT PORTION OF 147TH STREET VACATED BY THE VILLAGE OF ORLAND PARK AND RECORDED AS DOCUMENT NUMBER 21009966, IN NOVEMBER 1969, ALL IN COOK COUNTY, ILLINOIS.

WARNING
IN ILLINOIS
(OUTSIDE CHICAGO)



**CALL BEFORE
YOU DIG**

SUBJECT PROPERTY AREA
LOT AREA: 13,096 S.F. (more or less)
PROPOSED IMPERVIOUS AREA: 3,981 S.F.
% LOT COVERAGE: 30.4%

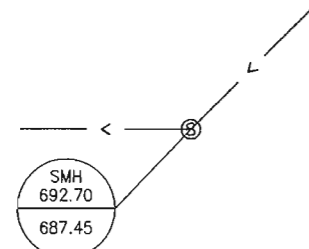
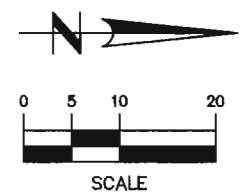
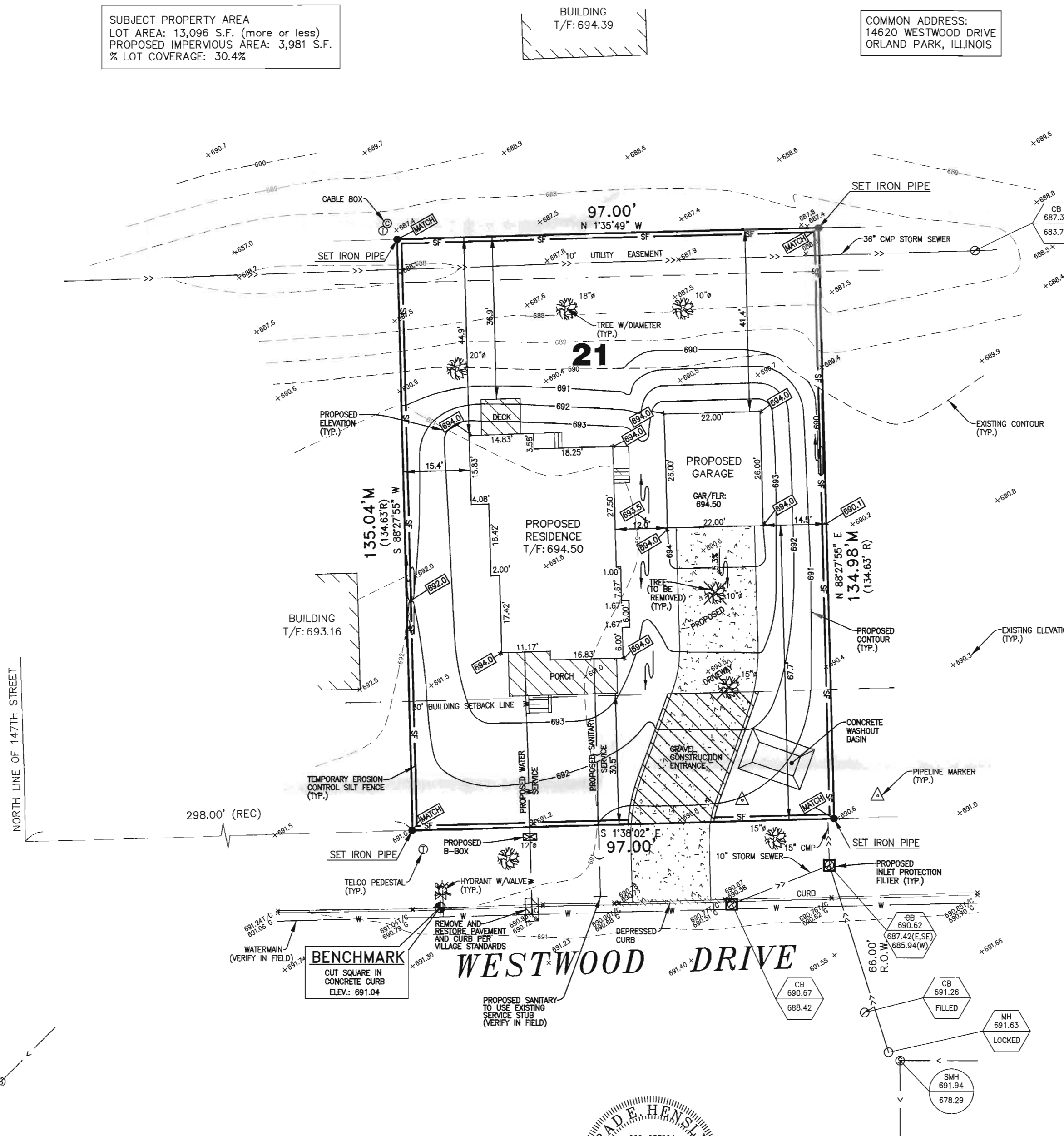


COMMON ADDRESS:
14620 WESTWOOD DRIVE
ORLAND PARK, ILLINOIS

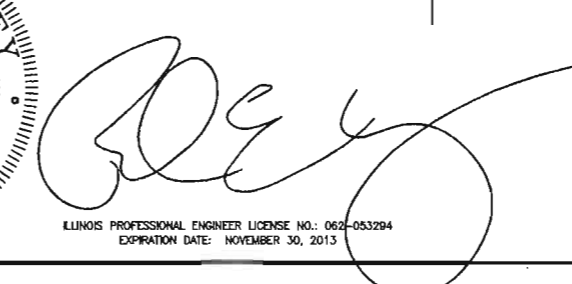
LEGEND		
	EXISTING	PROPOSED
WATER MAIN	— W —	— W —
STORM SEWER	— S —	— S —
SANITARY SEWER	— S —	— S —
MANHOLE	○	○
CATCH BASIN	○	○
INLET	○	○
FLARED END SECTION	○	○
FIRE HYDRANT	⊕	⊕
WATER VALVE	⊕	⊕
TEMPORARY SILT FENCE	—	—
LIGHT POLE	○	○
TOP OF FOUNDATION	T/F: 700.00	T/F: 700.00
SPOT ELEVATION	x 678.20	x 678.20
SWALE	—	—
OVERLAND FLOW ROUTE	—	—

NOTES:

1. WATER SERVICE SHALL BE 1" (MIN.) TYPE K COPPER PIPE.
2. SANITARY SERVICE SHALL BE 6" PVC (SDR26) @ 1.00% MIN.
3. MINIMUM HORIZONTAL SEPARATION OF 10.0 FEET SHALL BE MAINTAINED BETWEEN WATER AND SEWER SERVICES.
4. LOCATION OF EXISTING SERVICE STUBS SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION OF PROPOSED SERVICES.
5. SURFACE EVIDENCE OF UNDERGROUND IMPROVEMENTS SHOWN HEREON IS BASED ON PHYSICAL OBSERVATION AND RECORDS, IF ANY, PROVIDED.
6. NO TITLE COMMITMENT WAS PROVIDED FOR THE PREPARATION OF THIS SURVEY. FOR RESTRICTIONS NOT SHOWN HEREON, REFER TO DEED, TITLE INSURANCE POLICY, ABSTRACT, CONTRACTS AND LOCAL BUILDING ORDINANCES.
7. ELEVATIONS SHOWN ARE ON THE NORTH AMERICAN VERTICAL DATUM OF 1988, AS DETERMINED BY CORS MEASUREMENTS. THE VILLAGE OF ORLAND PARK ENGINEER SUPPLIED SITE BENCHMARK OSBM1 (FIRE HYDRANT) AND LOCAL ELEVATIONS, ALL OF WHICH ARE ON THE LOCAL VILLAGE OF ORLAND PARK SEWER DATUM. SITE BENCHMARK OSBM1 APPEARS TO HAVE BEEN PHYSICALLY ALTERED AND THE LOCAL DATUM ELEVATIONS SHOULD BE TRANSLATED -0.30 FEET TO MATCH NAVD88.



BRAD E. HENSEL
062-053294
REGISTERED
PROFESSIONAL
ENGINEER
OF
STATE OF ILLINOIS



ILLINOIS PROFESSIONAL ENGINEER LICENSE NO.: 062-053294
EXPIRATION DATE: NOVEMBER 30, 2013

REVISED: JUNE 21, 2013
REVISED: MAY 24, 2013
DATED: MARCH 18, 2013

PREPARED FOR:
ULVERTON ENTERPRISES
PREPARED BY:

LANDMARK

ENGINEERING LLC
DESIGN FIRM REGISTRATION NO. 184-005577
7808 WEST 103RD STREET
PALOS HILLS, ILLINOIS 60465-1529
Phone (708) 599-3737
SURVEY No. 12-12-060-R2
PAGE 1 OF 3

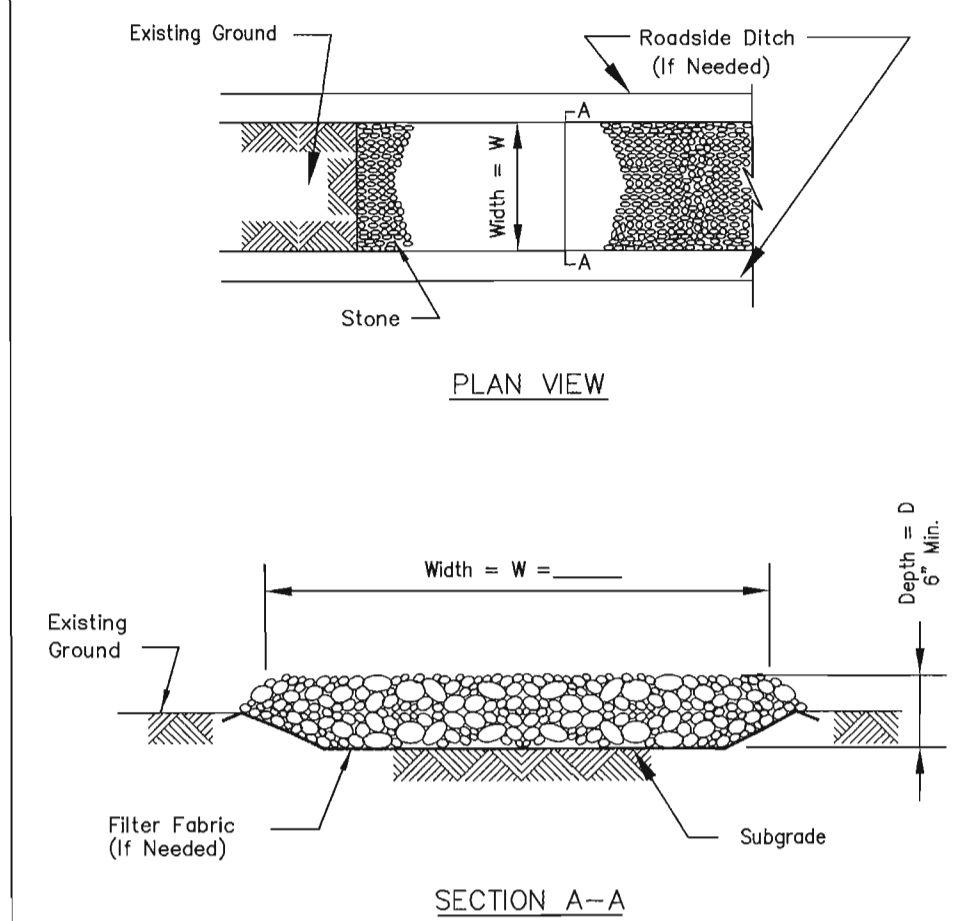
DETAILS

INSTALLATION:
 1. REMOVE GRATE
 2. DROP FLEXSTORM INLET FILTER ONTO LOAD BEARING LIP OF CASTING OR CONCRETE STRUCTURE
 3. REPLACE GRATE

Material Property	Test Method	Value (min ave)
IDOT Inlet Filter Specifications		
> NonWoven Geotextile Inner Filter Bag Specs (2 ft² min vol)		
Grab Tensile	ASTM D 4632	300 lbs
Puncture Strength	ASTM D 4833	65 lbs
Trapezoidal Tear	ASTM D 4533	45 lbs
UV Resistance	ASTM D 4355	70% at 500 hrs
App Open Size (AOS)	ASTM D 4751	70 sieve (.212 mm)
Permittivity	ASTM D 4491	2.0/sec
Water Flow Rate	ASTM D 4491	145 gpm/sqft
> Polyester Outer Reinforcement Bag Specifications		
Weight	ASTM D 1776	4.55 oz/sqyd +/- 15%
Thickness	ASTM D 1777	0.03 +/- .005
> Frame Construction		
A36 Structural Steel, 11 Gauge, Zinc Plated	ASTM A 576	Tensile Strength > 58,000 psi; Yield Strength > 36,000 psi

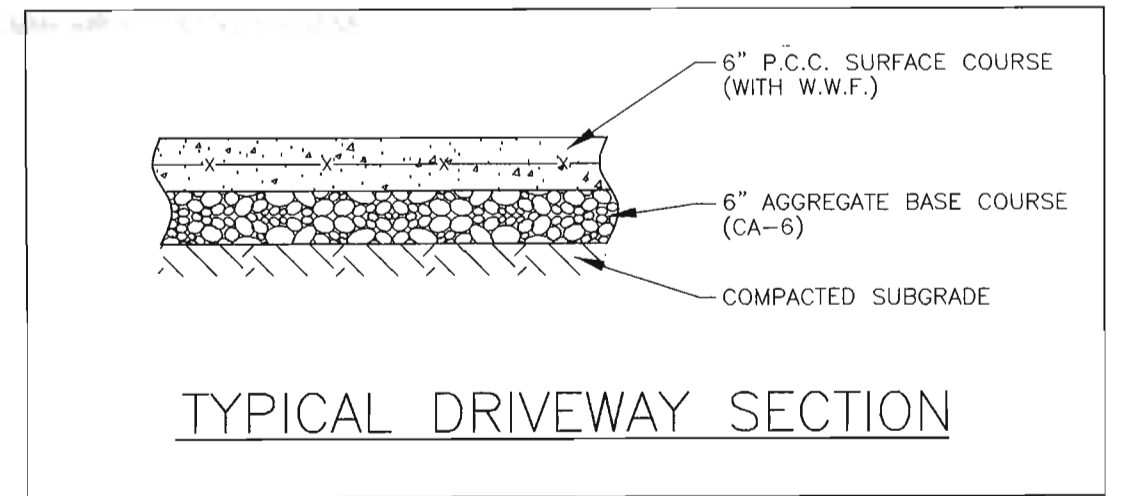
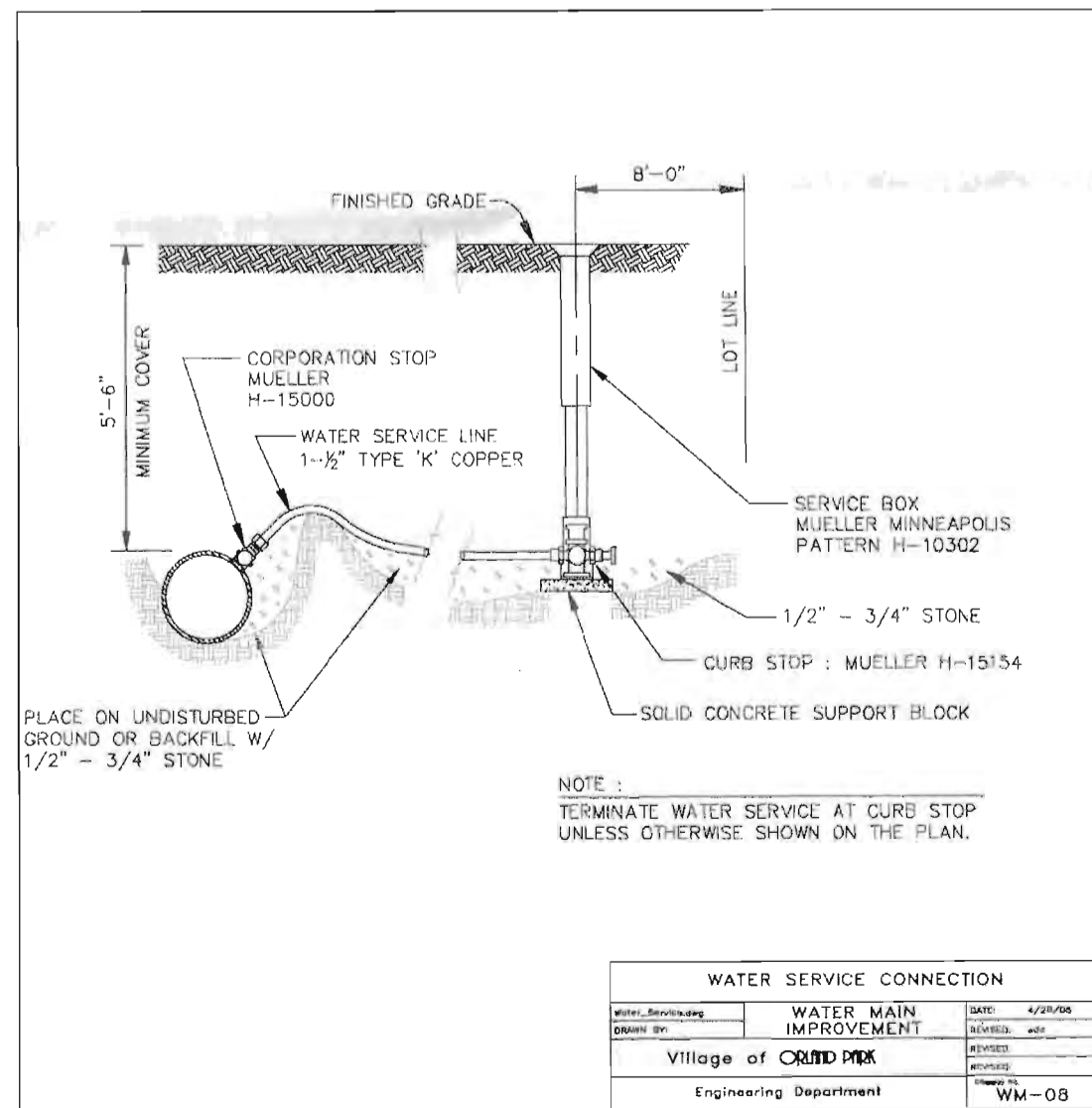
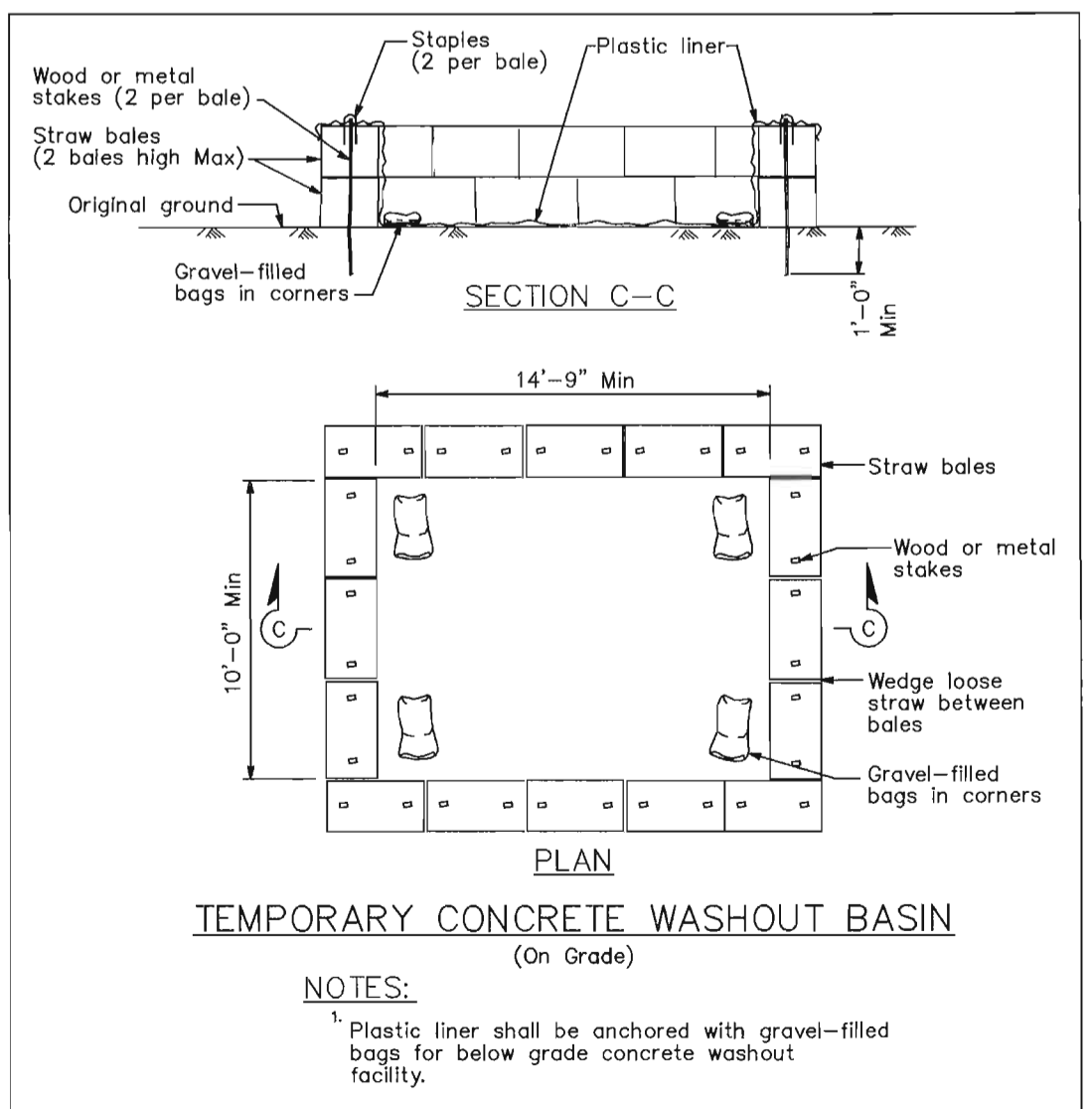
DRAWN Jerrille	ALL PRODUCTS MANUFACTURED BY INLET & PIPE PROTECTION, INC 24137 111th St Naperville, IL WWW.INLETFILTERS.COM (630) 355-3288 PH (630) 355-3477 FX INFO@INLETFILTERS.COM
CHECKED	DATE
QA	REV
MFG	SIZE
APPROVED	C
SCALE	DRAWING IPP Flexstorm Specification SHEET 1 OF 1

CONSTRUCTION ROAD STABILIZATION



- NOTES:**
- Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table 1 or 2, Class I, II or IV and shall be placed over the cleared area prior to the placing of rock. Stone shall meet one of the following IDOT coarse aggregate gradations, CA-1, CA-2, CA-3, or CA-4 and be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III composition. See plans for construction road location, D and W dimensions.
 - Minimum width is 14 feet for one-way traffic and 20 feet for two-way traffic. Two-way traffic widths shall be increased a minimum of 4 feet for trailer traffic. Depending on the type of vehicle or equipment, speed, loads, climatic and other conditions under which vehicles and equipment operate an increase in the minimum widths may be required. Roadway shall follow the contour of the natural terrain to the extent possible.

REFERENCE	Project	DATE	STANDARD DWG. NO.
Designed	_____	_____	IL-506
Checked	_____	_____	SHEET 1 OF 1
Approved	_____	_____	DATE 1-29-99



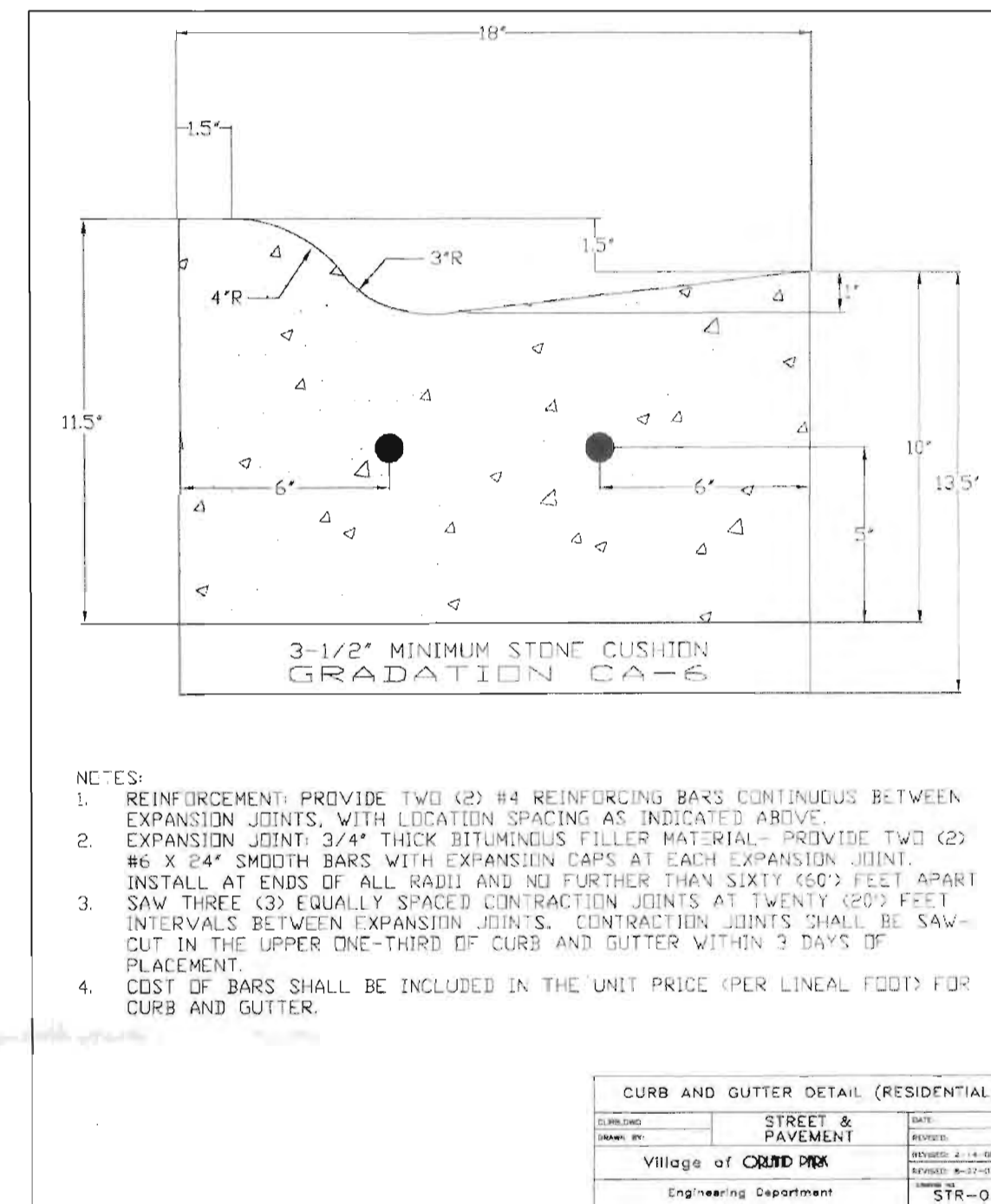
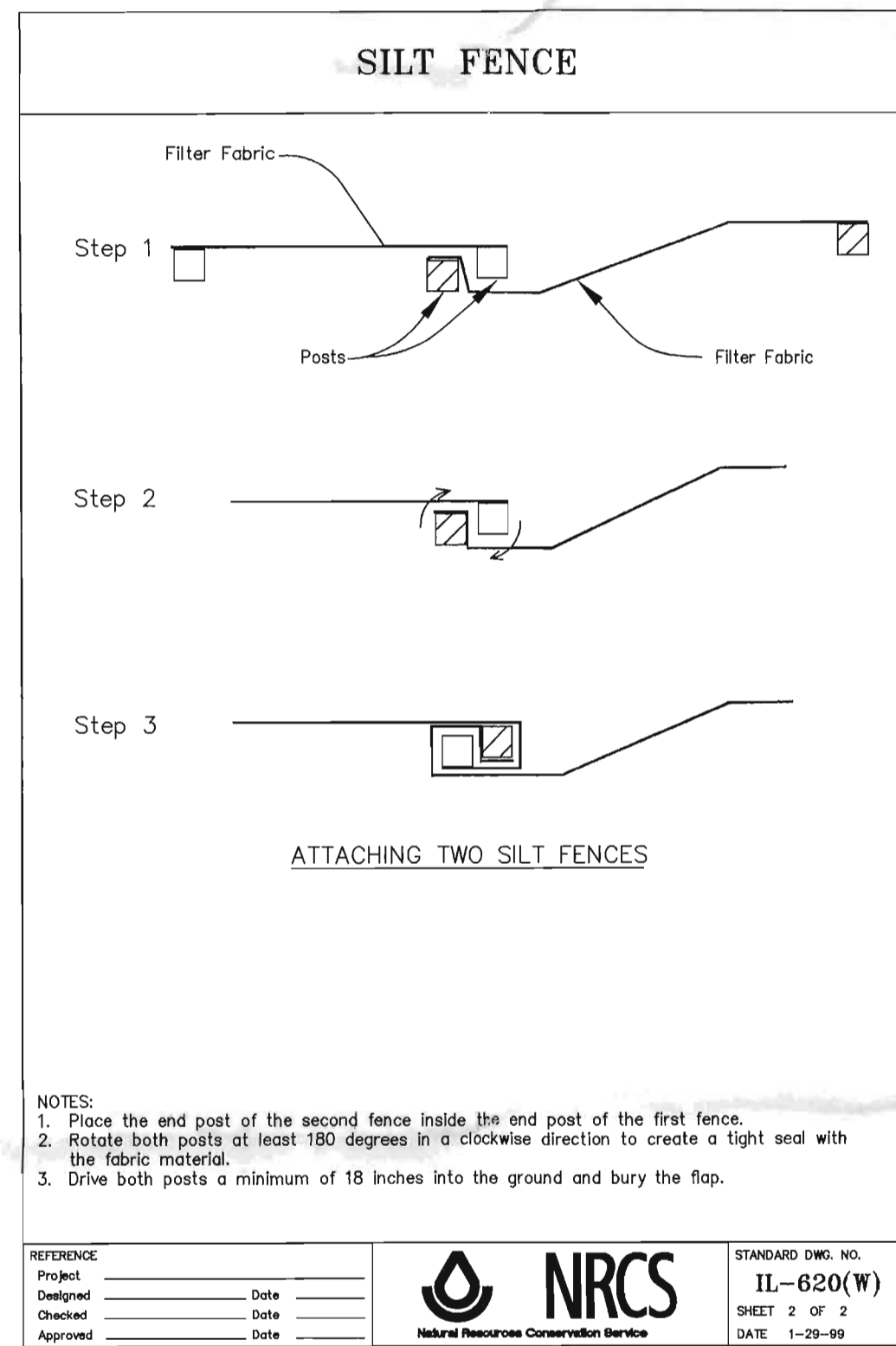
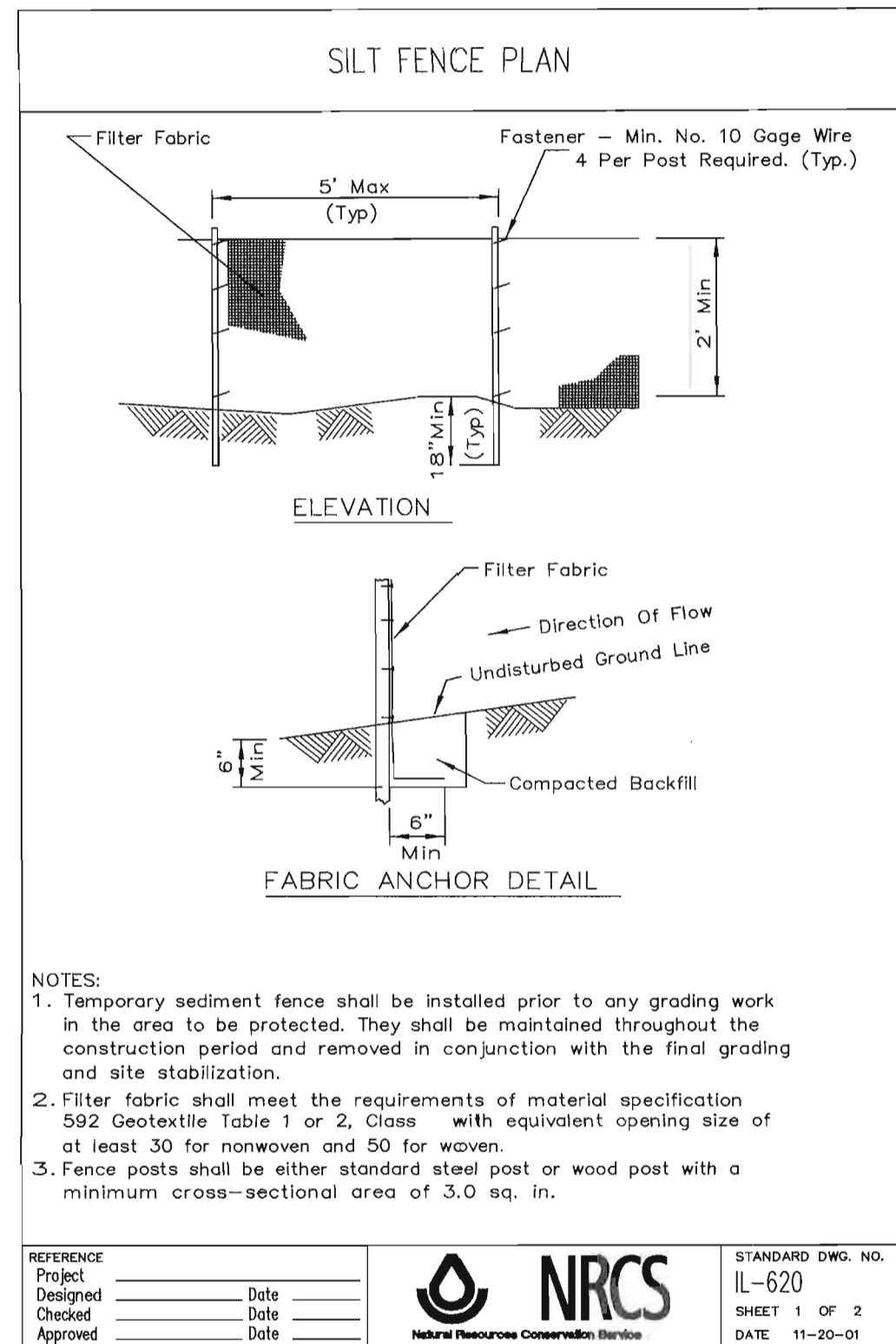
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