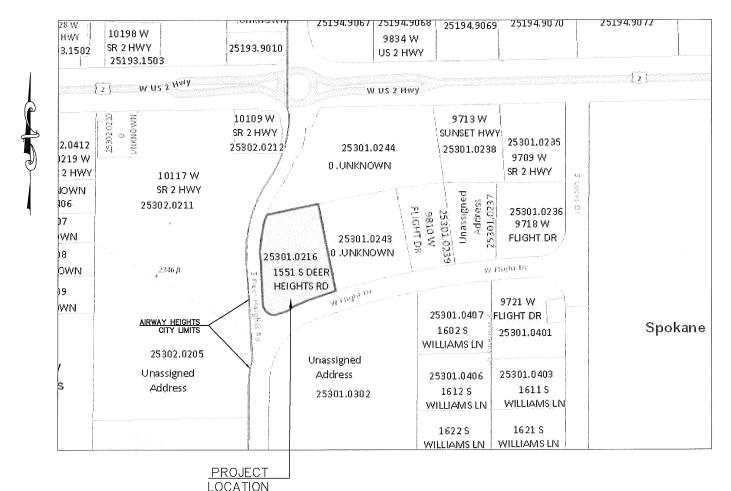
# PERMIT NO. B21M0064PDEV GARAGE LODGE STORAGE CONDOMINIUMS SITE IMPROVEMENT PLAN



VICINITY MAP

### PROPOSED SITE AREA COMPONENTS

PROPOSED SHEET METAL ROOF AREA: 30,270 SF

(0.694 ACRE)

PERVIOUS AREA

19,320 SF (0.444 ACRE)

TOTAL SITE AREA:

1.64 ACRES

PARKING STALL CALCULATION

TOTAL PROPOSED BUILDING AREA: 30270 SE

FACILITY PARKING REQUIREMENT:

1 STALL/1000 UP TO 3000 SF + 1 STALL/3500 SF ABOVE 3000 SF

3 STALLS + 26550/3500 = 3 + 7.6 = 10.6 STALLS (11 STALLS) REQUIRED

OFFICE: 1 STALL/500 SF - 960/500 = 1.92 STALLS (2 STALLS) REQUIRED

TOTAL PARKING STALLS REQUIRED: 13 STALLS

ACCESSIBLE PARKING: 1 STALL/25 UNITS - 1 ACCESSIBLE PARKING STALL REQUIRED

PARKING PROVIDED:

OFFICE: 4 STANDARD STALL PLUS 1 ACCESSIBLE STALL

STORAGE UNITS: 1 8'X23' PARALLEL PARKING STALL EXISTS IN FRONT OF EACH UNIT: 23 STALLS

TOTAL PARKING STALLS PROVIDED: 28 STALLS

### PARCEL INFORMATION

STREET ADDRESS:

1551 S. DEER HEIGHTS RD

PARCEL NUMBER

25301.0216 1.71 Acres

PARCEL AREA: PARCEL LOCATION

N 1/2, SECTION 30, TWP 25 N., R 42 EWM.

PARCEL ZONING:

LIGHT INDUSTRIAL (LI) Garage Lodge, LLC

OWNER/APPLICANT:

7016 S. Brookshire Ct Spokane, WA 99223 Contact: Chris Bornhoft chris@bornhoft.com

509.599.6504 Steel Structures America

SITE CONTRACTOR:

PO Box 895 Post Falls, ID 83854 Contact: Justin Sternberg justinIsternberg@gmail.com 208 659 4800

### VERTICAL DATUM

ASSUMED

## SHEET INDEX

C1 - TITLE/PROJECT INFORMATION

C2 - EXISTING CONDITION

C3 - PROPOSED SITE IMPROVEMENTS

C4 - SITE GRADING PLAN

C5 - EROSION/SEDIMENTATION CONTROL PLAN

C6 - DETAILS

C7 - DETAILS

### CONCRETE TRUCK WASH OUT NOTE

NO CONCRETE TRUCK WASH OUT SHALL OCCUR ON-SITE. CONCRETE TRUCK WASH OUT SHALL OCCUR AT A FACILITY APPROVED FOR THE WASH OUT OF CONCRETE TRUCKS.

Garage Lodge, LLC



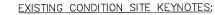
NORTH ENGINEERING & SURVEYING, PLLC PROFESSIONAL ENGINEERING SERVICES

TITLE SHEET/PROJECT INFORMATION GARAGE LODGE SITE IMPROVEMENT PLAN 15515 S. DEER HEIGHTS RD CITY OF SPOKANE, WASHINGTON

SHEET:

DATE

C1 OF 7



- (i) FOUND PROPERTY CORNER MONUMENT
- @ CALCULATED PROPERTY CORNER LOCATION
- (3) PROPERTY BOUNDARY
- (4) 30' WIDE X 80' DRAINAGE EASEMENT

### WATER - CITY OF SPOKANE

- X EXISTING VALVE RISER IN PAVEMENT
- (W) EXISTING WATER MAIN
- W2 EXISTING FIRE HYDRANT
- B APPARENT EXISTING WATER MAIN STUBOUT TO PARCEL CONFIRM SIZE/LOCATION WITH EXPLORATORY EXCAVATION. COORDINATE WITH CITY WATER DEPARTMENT PRIOR TO EXCAVATION.

### SEWER - CITY OF SPOKANE

- (st) SEWER MANHOLE, N. RIM ELEV = 44.2 PRESERVE/PROTECT
- (S2) SEWER MANHOLE, N. RIM ELEV = 42.6 (8.6' DEEP) PRESERVE/PROTECT
- S3 SEWER MANHOLE, N. RIM ELEV = 40.3 PRESERVE/PROTECT
- S4) SEWER MANHOLE, N. RIM ELEV = 42.5 (7.3'DEEP) PRESERVE/PROTECT
- S5 10" GRAVITY SEWER MAIN FLOWING EAST
- (s6) 8" GRAVITY SEWER MAIN FLOWING SOUTH (APPARENT GRADE: 2.5%)

### <u>PAVEMENT</u>

- PI CURB/GUTTER PRESERVE/PROTECT
- CURB INLET PRESERVE/PROTECT
- P2 6' WIDE SIDEWALK PRESERVE/PROTECT
- P3 PEDESTRIAN RAMP PRESERVE/PROTECT
- P4) 26' WIDE APPROACH DO NOT OBSTRUCT
- PS PAVED CURB PRESERVE/PROTECT
- PAVED CURB TO BE REMOVED/REPLACED WITH CURB/GUTTER ALONG PROJECT FRONTAGE

- 0) STREET DRAINAGE SWALE PRESERVE/PROTECT
- 02 DRYWELL PRESERVE/PROTECT
- (63) CATCH BASINS CONNECTED BY 8" PVC PIPE PRESERVE/PROTECT
- (94) 12" STORM DRAIN FROM CATCH BASIN TO DRYWELL
   ALIGNMENT UNCONFIRMED
   PRESERVE/PROTECT

# DRY UTILITIES - AVISTA

- U) GROUND PAD TRANSFORMER AND UTILITY RISERS
- 4 APPARENT BURIED DRY UTILITY CORRIDOR UNDER SIDEWALK PRESERVE/PROTECT

### **FENCING**

(f) EXISTING SITE CHAIN LINK FENCE FENCE - PRESERVE/PROTECT

### SIGNAGE/STRIPING

- TI STOP SIGN
- 12 SPEED LIMIT SIGN

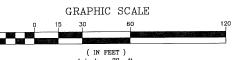
### LANDSCAPING

EXISTING STREET TREES - PRESERVE/PROTECT

### MISCELLANEOUS

♠ TESTHOLE

TH X-



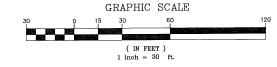
EXISTING CONDITION OVERVIEW
GARAGE LODGE SITE IMPROVEMENT PLAN
15515 S. DEER HEIGHTS RD
CITY OF SPOKANE, WASHINGTON

SHEET:

NORTH ENGINEERING & SURVEYING, PLLC

C2 OF 7

DESIGN STANDARDS AND SPECIFICATIONS, LATEST EDITION.



PROPOSED IMPROVEMENT SITE KEYNOTES:

### BOUNDARY

65 PROPOSED 10-FT WIDE NON-EXCLUSIVE SHARED DRAINAGE EASEMENT

### BUILDINGS

- (a) STORAGE BLDG A (6 UNITS): 60X144'-(10'X24' CUTOUT IN NW CORNER & 10'X24 CUTOUT IN SW CORNER)=8160 SF, FF ELEV = 42.5, LIP ELEV = 42.3
- (B2) STORAGE BLDG B (5 UNITS) 60'X120'=7200 SF, FF ELEV = 42.5, LIP ELEV = 42.3
- (B3) STORAGE BLDG C (12 UNITS) 50'X279'=13950 SF, FF ELEV = 42.3, LIP ELEV = 42.1
- (B4) 14'X14' OVERHEAD DOOR ON EACH UNIT (TYP)
- 85 3' MAN-DOOR TO EACH UNIT (TYP)
- 86 960 SF OFFICE/LODGE, FF=43.7

WATER - CITY OF SPOKANE

- (1) (2) (W4) INSTALL 1" SERVICE METER ASSEMBLY
  - EXTEND 1" CL 250 HDPE DOMESTIC SERVICE PIPING TO OFFICE AND BUILDING 3 INSTALL CURB STOP WITH C.I.

    (S) RISER AT TEE ON EACH BRANCH OF TEE BETWEEN BUILDING SERVICES AS SHOWN. INSTALL CURB STOP WITH C.I.
    RISER AT EACH SERVICE ENTRANCE TO BUILDING 3.
  - (NS) INSTALL 1" IRRIGATION METER ASSEMBLY W/BACKFLOW VALVE TO SERVE SITE LANDSCAPING

SEWER - CITY OF SPOKANE

- (\$\frac{1}{CB}\$) (\$\frac{5}{CB}\$) (\$\frac{7}{CB}\$) (\$\fra
- (5) (6) (9) CONNECT TO EXISTING 8" SEWER MAIN WITH 8"X6" ROMAC CB TAPPING SLEEVE. EXTEND 6" SEWER SERVICE AT S=2% MINIMUM TO BUILDING 3 UNITS IN CONFORMANCE WITH APPLICABLE PLUMBING CODE(S). PROVIDE CLEANOUTS AT MAX INTERVAL OF 100-FT AND/OR CHANGE OF ALIGNMENT GREATER THAN 22.5 DEGREES.
- (5) (S9) 4" SERVICE TO EACH UNIT OF BLDG B TO APPLICABLE PLUMBING CODE STANDARDS (5 REQUIRED). **PAVEMENT**
- (6) (8) (7) PROPOSED 36' THROAT WIDTH APPROACH REMOVE/REPLACE EXISTING TREE OUTSIDE OF APPROACH AND VISION TRIANGLE.
- 6 B PROPOSED 25' THROAT WIDTH APPRAOCH
  - (<del>2</del>) PROPOSED STANDARD CURB/GUTTER ALONG PARCEL FRONTAGE - 100 LF DEPICTED.
  - PROPOSED CURB INLET (12" THROAT WIDTH, 4 DEPICTED) REMOVE/RELOCATE EXISTING TREE AT DEER HEIGHTS APPROACH IF DAMAGED.
  - $\stackrel{\frown}{\text{C7}}$  PI) PROPOSED 6' SIDE SIDEWALK ALONG PARCEL FRONTAGE
- (3) (4) PROPOSED SIDEWALK/FLATWORK AROUND OFFICE SLOPE 1.5% MAX AWAY FROM BUILDING
- PROPOSED SITE STANDARD CURB GRADED PER SHT C4 330 LF DEPICTED
  - PROPOSED SITE PAVEMENT (2" ACP OVER 6" BASE) GRADED AS SHOWN ON SHT C3 21,400 SF DEPICTED

### SITE DRAINAGE

- PROPOSED TYPE 1 CATCH BASIN WITH TYPE 3 SUMP GRATE RIM ELEV AS NOTED ON SHT C4. TOP OF PIPE INLET/OUTLET SHALL BE 12" MINIMUM BELOW RIM (6 DEPICTED)
- PROPOSED 12" ASTM 3034 PVC @ S=0.12% TO DAYLIGHT IN SWALE (310 LF DEPICTED)
   INV IN 39.3, INV OUT EL=38.9
   PROVIDE 24" CONCRETE SPLASH PAD AT PIPE OUTLET IN SWALE
- (§) PROPOSED IRRIGATED GRASS SURFACED INFILTRATIVE AREA SWALE FLOOR ELEV = 38.3, SWALE FLOOR AREA: 1030 SF, NOMINAL SWALE FLOOR DIMENSIONS: 295' X 3.5'.
- (7) (08) INSTALL 600 GALLON (TYPE 1) DRYWELL RIM ELEV = 38.8 3 DEPICTED
- (1) (8) (9) PROPOSED IRRIGATED GRASS SURFACED INFILTRATIVE AREA SWALE FLOOR ELEV = 41.1, SWALE FLOOR AREA: 173 SF. NOMINAL SWALE BOTTOM DIMENSIONS: 11.5' X 15'
- $\frac{7}{67}$  00 INSTALL 600 GALLON (TYPE 1) DRYWELL RIM ELEV = 41.6 1 DEPICTED
- よ 📵 4" ASTM 3034 PVC ROOF GUTTER DOWNSPOUT (PAIRED) FIELD LOCATE AT INTERVALS SPECIFIED BY ROOF GUTTER INSTALLER
- (ii) INSTALL 8" ASTM 3034 PVC ROOF DOWNSPOUT COLLECTOR @ S=0.5% SLOPE INVERT IN ELEV = 40.6, INVERT OUT ELEV (AT CATCH BASIN B & C) = 39.2) 12" MINIMUM BURY
- 2 270 LF RUNS (545 LF) DEPICTED
- (13) INSTALL 112 LF 10" ASTM 3034 PVC DRAIN COLLECTOR MANIFOLD (13) SLOPE INV OUT ELEV (AT DRYWELL) = 36.5 INV INVERT IN ELEV (AT CATCH BASIN B) = 37.7
- INSTALL 6" ASTM 3034 PVC ROOF DRAIN COLLECTOR @ S=1% SLOPE

   INVERT IN ELEV = 40.6, INVERT OUT ELEV (AT CATCH BASIN B = 38.9)

   12" MINIMUM BURY

   170 LF RUN DEPICTED
- DRY UTILITIES AVISTA
- (A) COORDINATE WITH AVISTA TO LOCATE SITE UTILITY SERVICE AND BUILDING SERVICE ENTRANCES
- FENCING
- FI PROPOSED 6' CHAIN LINK PERIMETER FENCE 220 LF DEPICTED, 3 LOCATIONS
- PROPOSED 24' WIDE CANTILEVER GATE
- PROPOSED BOLLARD PROTECTED GATE ACTUATOR KEYPAD (2 SHOWN) PROVIDE KNOX OVERRIDE KEY
- PROPOSED 20' WIDE PHONE-APP ACTUATED INGRESS/EGRESS GATE WITH KNOX BOX
- (3) PROPOSED 9'X20' PARKING STALL DELINEATED BY 4" WHITE STRIPE 4 STALLS DEPICTED
- (2) PROPOSED STRIPED/SIGNED VAN ACCESSIBLE PARKING STALL WITH WHEEL STOP
- (3) (III) INSTALL THREE (3) 4" PVC IRRIGATION SLEEVES, 6" APART, 24" BURY (4 LOCATIONS), (ENTRANCE APPROACH: 50 LF, SE CORNER OF SITE: 25 LF)
  - ♠ RAB WP1LED30 WALL PAK WITH GLARE CUTOFF SHIELF (27 DEPICTED)
- (1.5' REVEAL)



PLLC

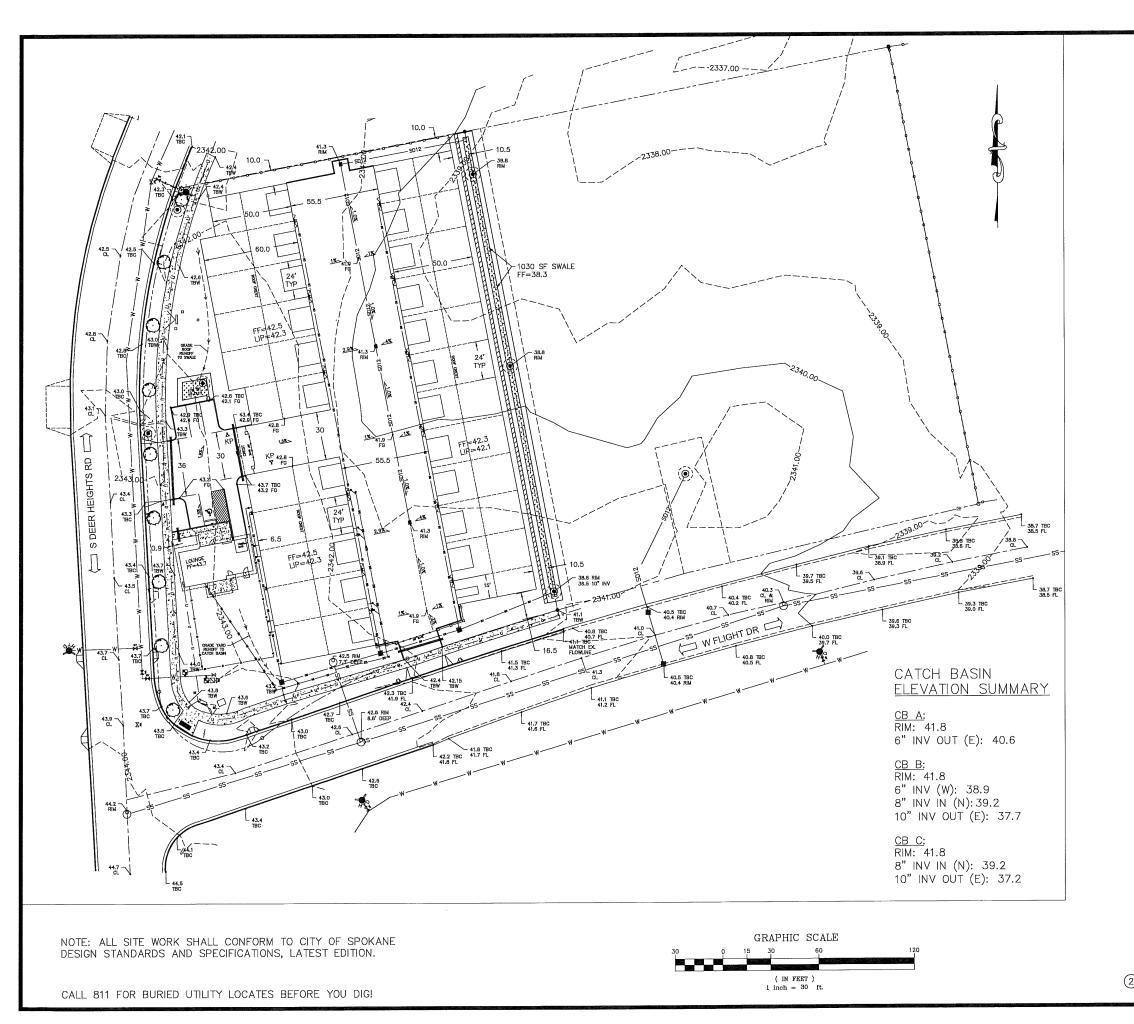
north engineering & surveying,

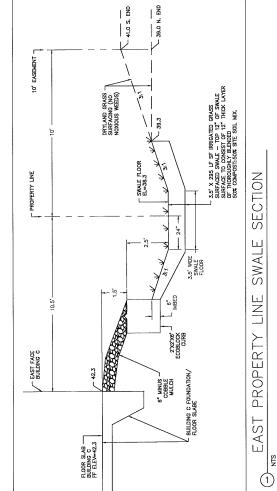
PROPOSED IMPROVEMENT OVERVIEW GARAGE LODGE SITE IMPROVEMENT PLAN 15515 S. DEER HEIGHIS RD CITY OF SPOKANE, WASHINGTON PARCEL 25301.0216

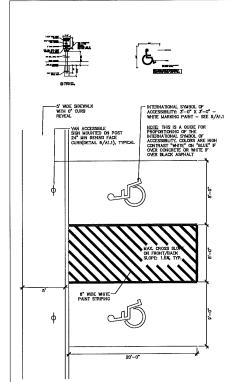
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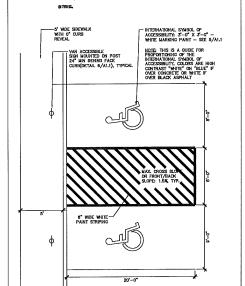
C3 OF 7

NOTE: ALL SITE WORK SHALL CONFORM TO CITY OF SPOKANE









VAN-ACCESSIBLE PARKING STALL DETAILS

To note the second s

GRADING PLAN
GARAGE LODGE SITE IMPROVEMENT PLAN
15515 S. DEER HEIGHTS RD
CITY OF SPOKANE, WASHINGTON
PARCEL 25301.0216

NORTH ENGINEERING & SURVEYING, PLLC PROFESSIONAL ENGINEERING SERVICES

SHEET:

C4 OF 7

CALL 811 FOR BURIED UTILITY LOCATES BEFORE YOU DIG!

SITE INFORMATION:

STREET ADDRESS:

PARCEL NO: 25301.0216 1.71 ACRES

PARCEL AREA: PARCEL LOCATION: NW 1/2, SECTION 30, TWP 25 N., R 42 E., WM.

OWNER/APPLICANT: GARAGE LODGE, LLC 706 S. BROOKSHIRE CT SPOKANE, WA 99223

CHRIS BORNHOFT OWNER CONTACT: chris@bornhoft.com

509,599,6504 STEEL STRUCTURES AMERICA, INC. SITE CONTRACTOR:

3635 F COVINGTON AVE POST FALLS, ID 83854

NRCS SOIL UNIT 3044 CHENEY ASHY SILT LOAM, 0-8 PERCENT SLOPES SITE SOILS:

SITE VEGETATION: VACANT - VOLUNTEER GRASS/WEEDS, LANDSCAPE TREES ALONG WEST PARCEL

**BOUNDARY** 

WATER BODIES/ CRITICAL AREAS NONE

### PROJECT DESCRIPTION:

CONDOMINIUM STORAGE UNIT FACILITY WITH ASSOCIATED UTILITIES, GRADING, PAVEMENT. SEE SHEET C3 FOR DESCRIPTIVE DETAILS OF PROPOSED CONSTRUCTION.

ESC BMP'S UTILIZED: (SEE OVERVIEW ABOVE FOR KEYNOTED LOCATIONS)

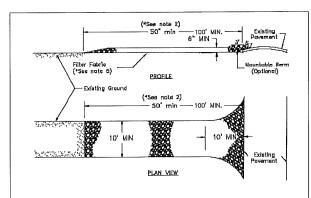
\*\*E1 strenmeter shit fence:2 shothows, 61 bour depicted (X) (UNNECESSARY)

(2) E2 - BMP C105 STABILIZED CONSTRUCTION APPROACH: (2)

(3) E3 - INLET PROTECTION (FOR NEW DRYWELLS)  $\left(\frac{3}{5}\right)$ 

SEE XXX FOR GENERAL PROJECT SEQUENCE.

NOTE: A SITE LOG SHALL BE COMPLETED FOR THIS PROJECT



### CONSTRUCTION SPECIFICATIONS

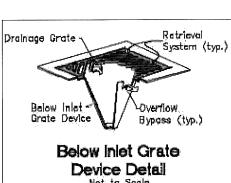
- pipes coreas the antrance. If piping is improaction, a mountable term with at alleges with the required received the antrance shall be monitolined in a condition which will prevent treeking or flowing of sectiment onto public right—of—way. This may require periodic top dressing with odditional sience as conditions demand and report and/or electional of any moustaines used to trop sectiment. All sediment spilled, drapped, weathed or tracked anto public right—at—way must be removed immediately.

  It would be shall be alleged to remove sediment prior to entrance anto public right—of—way where weathing is required, it shall be done in an area stabilized with stane and which drains into an approved sediment trapping device.

  Periodic inspection and needed mointenance shall be provided ofter such rain.

STABILIZED CONSTRUCTION APPROACH





BELOW GRADE INLET DEVICE

EROSION/SEDIMENTATIION CONTROL PLAN GARAGE LODGE SITE IMPROYEMENT PLAN 19303 & 19309 E. BROADWAY AVE CITY OF SPOKANE VALLEY, WASHINGTON PARCELS 55172.1101 AND 55172.1102

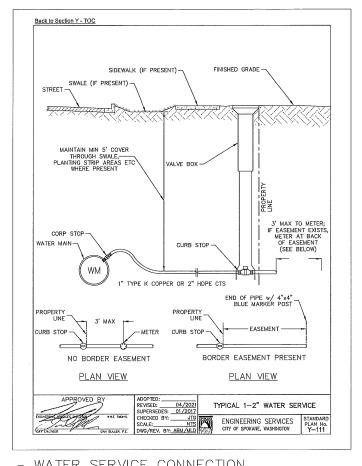
SHEET:

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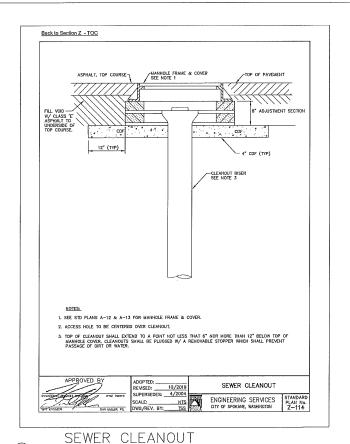
C5 OF 7

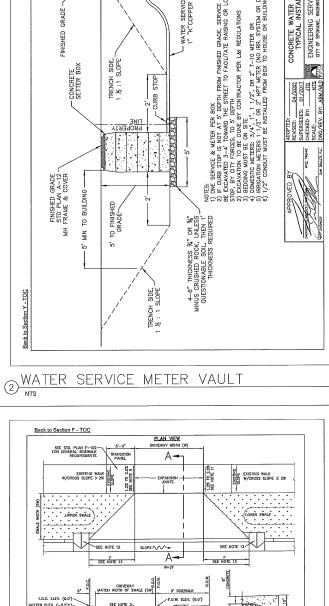
GRAPHIC SCALE ( IN FEET )

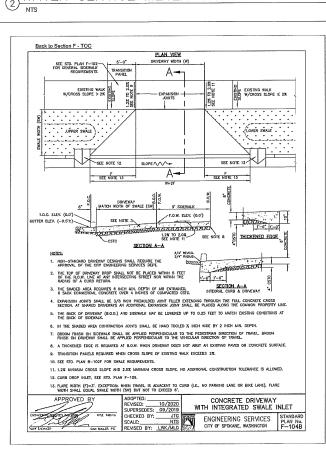
CALL 811 FOR BURIED UTILITY LOCATES BEFORE YOU DIG!



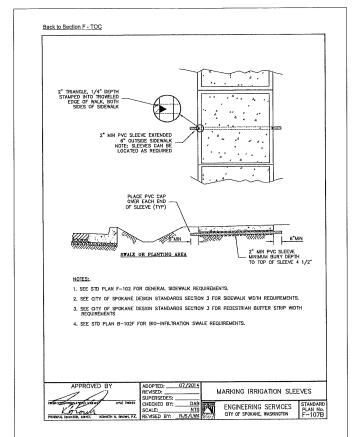




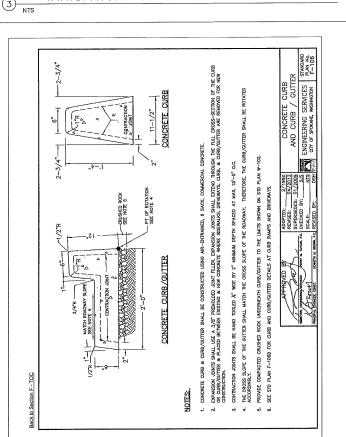


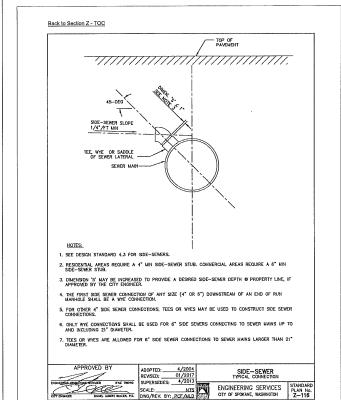






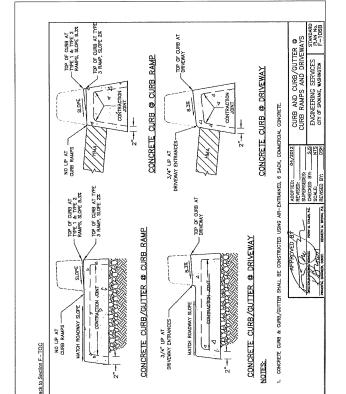
IRRIGATION SLEEVE







4 NTS



(8) CURB SECTION AT APPROACH

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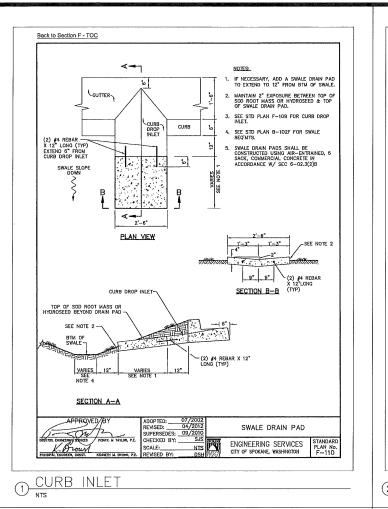
NORTH ENGINEERING & SURVEYING, PLLC PROFESSIONAL ENGINEERING SERVICES

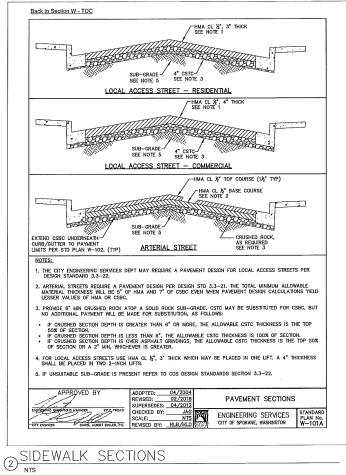
C6 OF 7

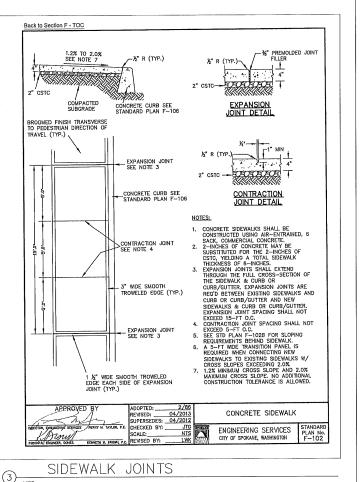
DETAILS GARAGE LODGE SITE IMPROVEMENT PLAN 15515 S. DEER HEIGHTS RD CITY OF SPOKANE, WASHINGTON

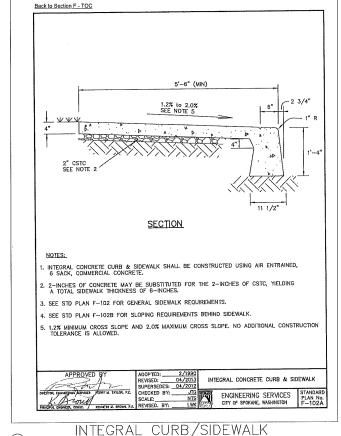
5 NTS

O CURB SECTIONS
NTS









4 NTS

Back to Section W - TOC ASPHALT PATCH EXISTING ASPHALT UNDISTURBED ASPHALT PATCH W/ OVERLAY EXISTING ASPHALT 12" MIN \* UNDISTURBED TYPICAL PATCH
MATCHES EXISTING ASPHALT THI ALTERNATE PATCH
SEE NOTES 1 OR 2 A. TOP COURSE: 1,5" MIN TO 2" MAX THICKNESS. SEE STD PLAN W-101A FOR ASPHALT CLASS & THICKNESS REQ'MI B. DASE COURSE: SEE STD PLAN W-101A FOR ASPHALT CLASS & THICKNESS REG'MTS. MATCH EXISTING AGGREGATE THICKNESS OR USE A MIN 4" THICKNESS, WHICHEVER IS GREATER. PROVIDE 6" MIN CRUSHED ROCK ATOP A SOLID ROCK SUB-GRADE. SEE CITY STD. PLAN W-102 FOR CRUSHED ROCK REGIMTS. NOTES: ASPHALT PATCHES ENGINEERING SERVICES CITY OF SPOKANE, WASHINGTON

ADOP SUPE SCAL SCAL

-- ALTERNATE
LOCATION (SE
NOTE 8.) NO
PIPE JOINTS
ALLOWED IN
GRAVEL
BACKFILL
ENVELOPE SECTION A-A 1, SEE SEC 9-12 FOR PRECAST CONCRETE DRYWELLS 2. SEE SEC 9-03.12(5) FOR GRAVEL BACKFILL FOR DRYWELLS. .[ ] 4. SEE STD PLANS A-12 & A-13 FOR MANHOLE FRAME & COVER. 5, SEE STD PLAN Z-118 FOR BASE & FOUNDATION DETAILS. CONE & BARREL JOINTS MAY BE EITHER TONGUE & GROOVE OR REVERSE TONGUE & GROOVE. USE ALTERNATE PIPE LOCATION ONLY IF PIPE REQUIRES ADDITIONAL DEPTH FOR SLOPING, DEPTH OF COVER, OR OTHER RESTRICTIVE FIELD CONDITION. 9, SEE STANDARD PLAN A-8 FOR ADJUSTMENT SECTION REQUIREMENTS. 10. SEE STANDARD PLAN W-103 FOR CRUSHED ROCK REQUIREMENT ADD FED:

AND FED:

ADD FED:

AND FE ENGINEERING SERVICES CITY OF SPOKANE, WASHINGTON

(8) DRYWELL ABSORPTION TRENCH

Back to Section B - TOC

TO SE are the second to the CRIVEL BICFFEL (SEC 1001C 7)----SURFACIO TETETETETE ELEVATION 2. DRAIN PIPE TO BE LAID ON A -0.5% TO -1.0% GRADE AWAY FROM THE DRYWELL.

ABSORPTION TRENCH DETAILS FOR STORM DRAINAGE

ENGINEERING SERVICES STANDARE
STANDARE
PLAN No.
B-111

150

NORTH ENGINEERING & SURVEYING, PLLC

DETAILS GARAGE LODGE SITE IMPROVEMENT PLAN 15515 S. DEER HEIGHTS RD CITY OF SPOKANE, WASHINGTON

SHEET:

C7 OF 7

PAVEMENT PATCH

5 NTS

6 SWALE DETAIL

7 DRYWELL DETAIL