



Department of Permitting and Environmental Review

Residential TESC Template

12/16/2024

NORTH

RECOMMENDED CONSTRUCTION SEQUENCE

- 1. Hold the pre-construction meeting, if required
- Post sign with name and phone number of TESC supervisor (may be consolidated with the required notice of construction sign).
- 3. Flag or fence clearing limits.
- 4. Install catch basin protection, if required.
- 5. Grade and install construction entrance(s)
- 6. Install perimeter protection (silt fence, brush barrier, etc.).
- 7. Construct sediment pond and traps, if required.
- 8. Grade and stabilize construction roads.
- Construct surface water controls (interceptor dikes, pipe slope drains, etc.) simultaneously with clearing and grading for project development.
- Maintain erosion control measures in accordance with King County standards and manufacture's recommendations.
- 11. Relocate erosion control measure, or install new measures so that as site conditions change, the erosion and sediment control is always in accordance with the King County Erosion and Sedimentation Control Standards.
- 12. Cover all areas that will be unworked for more than seven days during the dry season or two days during the wet season with straw, wood fiber mulch, compost, plastic sheeting, or equivalent.
- 13. Stabilize all areas within seven days of reaching final grade.
- 14. Seed, sod, stabilize, or cover any areas to remain unworked for more than 30 days.
- 15. Upon completion of the project, stabilize all disturbed areas and remove BMP's if appropriate.

Engineering / Drainage Approval

Signature:

Clearing / Grading Approval

Signature:

Date:

Permit Number: **TBD**

Parcel Number: 172506-9124 Applicant N

POWER LINE (TYP)

H196

Applicant Name: **JAGAN M. MADDUKURI**

EX. WELL -STRUCTURE

TREE PROTESTION

FENGE

CLEARING .

EX. ORAVEL

Site Address: XXXXX NE 50th St

PÓRTION OF EX. FENCE

ROW CENTERLINE

STOCK

PILE

FENCE

TREE TO BE REMOVED (TYP)

PROPOSED DRIVEWAY AS-CONSTRUCTION ENTRANCE

TO BE REMOVED

(TYP)

(B)

100' WELL SETBACK

EROSION PROTECTION NOTE:

ALL EXPOSED SOIL TO BE COVERED WITH MULCH, STRAW, AND/OR PLASTIC SHEETES PER FIG. C.3.4.A AND/OR TABLE C.3.2.A KCSWDM. UNDER NO CIRCUMSTANCES SHALL SOIL STOCKPILES BE LEFT UNCOVERED.

SOIL MANAGEMENT AREAS:

- (A) LEAVE NATIVE SOILS UNDISTURBED
- B STOCKPILE NATIVE SOILS, REAPPLY AFTER GRADING AND CONSTRUCTION, AND AMEND IN PLACE (14,813 SF)

DRAINFIELD NOTE:

WORK AND/OR MECHANICAL EQUIPMENT/MACHINERY IN THE PROPOSED SEPTIC SYSTEM DRAINFIELD AREAS IS STRICTLY PROHIBITED WITH THE EXCEPTION TO THE LICENSED INSTALLER AND/OR DESIGNER.

TESC CONSTRUCTION NOTE:

CLEARING LIMITS TO BE ESTABLISHED AT BEGINNING OF CONSTRUCTION ENTRANCE.

CONTRACTOR RESPONSIBILITY:

CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY, DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, AND THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

DISCREPANCIES:

IF THERE ARE ANY DISCREPANCIES BETWEEN DIMENSIONS IN DRAWINGS AND EXISTING CONDITIONS WHICH WILL AFFECT THE WORK, THE CONTRACTOR SHALL BRING SUCH DISCREPANCIES TO THE ATTENTION OF THE ENGINEER FOR ADJUSTMENT BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER FITTING OF ALL WORK AND FOR THE COORDINATION OF ALL TRADES, SUBCONTRACTORS, AND PERSONS ENGAGED UPON THIS CONTRACT.

TESC LEGEND:

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	CONSTRUCTION LIMITS				
x	SILT FENCE PER DETAIL SHEET 3				
<b></b>	TREE PROTECTION FENCE PER DETAIL SHEET				
	CB INLET PROTECTION PER DETAIL SHEET 3				
X	EX. TREE TO BE REMOVED				
	TEMPORARY CONSTRUCTION ENTRANCE PER DETAIL SHEET 3				
Encompass L					

# TESC PLAN

MADDUKURI RESIDENCE PROJECT # 22585 WITHIN SE SEC. 17, TWN 25N, RGE 06

Engineering Scale: 1" = Sheet **2** of ____



Department of Permitting and Environmental Review

Residential TESC Template

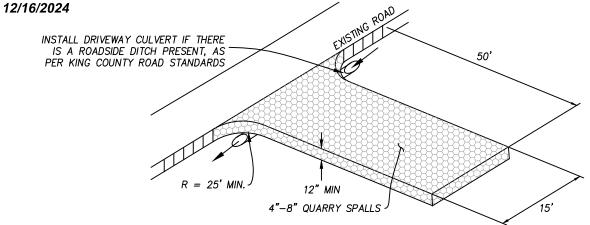
#### RECOMMENDED CONSTRUCTION SEQUENCE

- 1. Hold the pre-construction meeting, if required
- 2. Post sign with name and phone number of TESC supervisor (may be consolidated with the required notice of construction sign).
- 3. Flag or fence clearing limits.
- 4. Install catch basin protection, if required.
- 5. Grade and install construction entrance(s)
- 6. Install perimeter protection (silt fence, brush barrier, etc.).
- 7. Construct sediment pond and traps, if required.
- 8. Grade and stabilize construction roads.
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- 11. Relocate erosion control measure, or install new measures so that as site conditions change, the erosion and sediment control is always in accordance with the King County Erosion and Sedimentation Control Standards.
- 12. Cover all areas that will be unworked for more than seven days during the dry season or two days during the wet season with straw, wood fiber mulch, compost, plastic sheeting, or equivalent.
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- 14. Seed, sod, stabilize, or cover any areas to remain unworked for more than 30 days.
- 15. Upon completion of the project, stabilize all disturbed areas and remove BMP's if appropriate.

Engineering / Drainage Approval	
Signature:	
Date:	
Clearing / Grading Approval	

Signature:

Date: .



#### MAINTENANCE PER 2016 KCSWDM

- QUARRY SPALLS (OR HOG FUEL) SHALL BE ADDED IF THE PAD IS NO LONGER IN ACCORDANCE WITH THE SPECIFICATIONS.
- IF THE ENTRANCE IS NOT PREVENTING SEDIMENT FROM BEING TRACKED ONTO PAVEMENT, THEN ALTERNATIVE MEASURES TO KEEP THE STREETS FREE OF SEDIMENT SHALL BE USED. THIS MAY INCLUDE STREET SWEEPING, AN INCREASE IN THE DIMENSIONS OF THE ENTRANCE, OR THE INSTALLATION OF A WHEEL WASH. IF WASHING IS USED, IT SHALL BE DONE ON AN AREA COVERED WITH CRUSHED ROCK, AND WASH WATER SHALL DRAIN TO A SEDIMENT TRAP OR POND
- ANY SEDIMENT THAT IS TRACKED ONTO PAVEMENT SHALL BE REMOVED IMMEDIATELY BY SWEEEPING. THE SEDIMENT COLLECTED BY SWEEPING SHALL BE REMOVED OR STABILIZED ON SITE. THE PAVEMENT SHALL NOT BE CLEANED BY WASHING DOWN THE STREE. EXCEPT WHEN SWEEPING IS INEFFECTIVE AND THERE IS A THREAT TO PUBLIC SAFETY. IF IT IS NECESSARY TO WASH THE STREETS, A SMALL SUMP MUST BE CONSTRUCTED. THE SEDIMENT WOULD THEN BE WASHED INTO THE SUMP WHERE IT CAN BE CONTROLLED. WASH WATER MUST BE PUMPED BACK ONTO THE SITE AND CAN NOT DISCHARGE TO SYSTEMS TRIBUTARY TO SURFACE WATERS.
- ANY QUARRY SPALLS THAT ARE LOOSENED FROM THE PAD AND END UP ON THE ROADWAY SHALL BE REMOVED
- IF VEHICLES ARE ENTERING OR EXITING THE SITE AT POINTS OTHER THAN THE CONSTRUCTION ENTRANCE(S), FENCING SHALL BE INSTALLED TO CONTROL TRAFFIC.

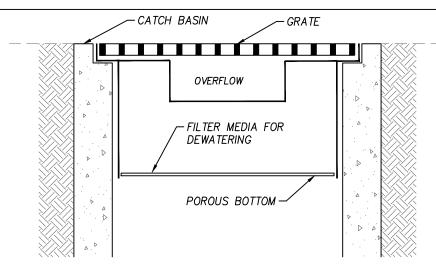
### **CONSTRUCTION ENTRANCE DETAIL**

JOINTS IN FILTER FABRIC SHALL BE SPLICED AT POSTS. CUSE STAPLES, WIRE RINGS, OR EQUIVALENT TO ATTACH FABRIC TO POSTS. 2"x2" BY 14 Ga. WIRE OR-EQUIVALENT, IF STANDARD STRENGTH FABRIC USED FILTER FABRIC MINIMUM 4"x4" 6' MAX. TRENCH BACKFILL TRENCH WITH NATIVE SOIL OR 3/4"-1.5"-WASHED GRAVEL POST SPACING MAY BE INCREASED TO 8' IF WIRE BACKING IS USED 2"x2" WOOD POSTS. STEEL FENCE POSTS, REBAR, OR EQUIVALENT

### SILT FENCE MAINTENANCE PER 2016 KCSWDM

- ANY DAMAGE SHALL BE REPAIRED IMMEDIATELY.
- IF CONCENTRATED FLOWS ARE EVIDENT UPHILL OF THE FENCE, THEY MUST BE INTERCEPTED AND CONVEYED TO A SEDIMENT TRAP OR POND.
- IT IS IMPORTANT TO CHECK THE UPHILL SIDE OF THE FENCE FOR SIGNS OF THE FENCE CLOGGING AND ACTING AS A BARRIER TO FLOW AND THEN CAUSING CHANNELIZATION OF FLOWS PARALLEL TO THE FENCE. IF THIS OCCURS, REPLACE THE FENCE OR REMOVE THE TRAPPED SEDIMENT.
- SEDIMENT MUST BE REMOVED WHEN THE SEDIMENT IS 6 INCHES HIGH.
- IF THE FILTER FABRIC (GEOTEXTILE) HAS DETERIORATED DUE TO ULTRAVIOLET BREAKDOWN, IT SHALL BE REPLACED

# SILT FENCE DETAIL

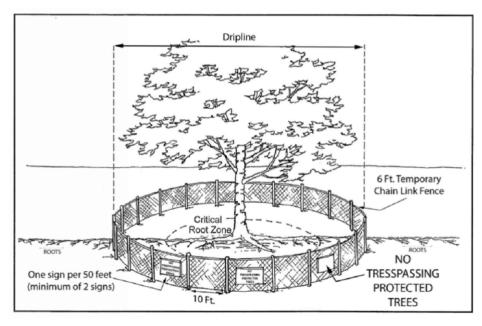


NOTE: THIS DETAIL IS ONLY SCHEMATIC. ANY INSERT IS ALLOWED THAT HAS A MIN. 0.5 C.F. OF STORAGE, THE MEANS TO DEWATER THE STORED SEDIMENT. AN OVERFLOW, AND CAN BE EASILY MAINTAINED.

### MAINTENANCE STANDARDS

- ANY ACCUMULATED SEDIMENT ON OR AROUND THE FILTER FABRIC PROTECTION SHALL BE REMOVED IMMEDIATELY. SEDIMENT SHALL NOT BE REMOVED WITH WATER, AND ALL SEDIMENT MUST BE DISPOSED OF AS FILL ON-SITE OR HAULED OFF-SITE.
- ANY SEDIMENT IN THE CATCH BASIN INSERT SHALL BE REMOVED WHEN THE INSERT HAS FILLED ONE—THIRD OF THE AVAILABLE STORAGE. THE FILTER MEDIA FOR THE INSERT SHALL BE CLEANED OR REPLACED AT LEAST MONTHLY.
- REGULAR MAINTENANCE IS CRITICAL FOR BOTH FORMS OF CATCH BASIN PROTECTION. UNLIKE MANY FORMS OF PROTECTION THAT FAIL GRADUALLY, CATCH BASIN PROTECTION WILL FAIL SUDDENLY AND COMPLETELY IF NOT MAINTAINED PROPERLY.

## CATCH BASIN INSERT DETAIL



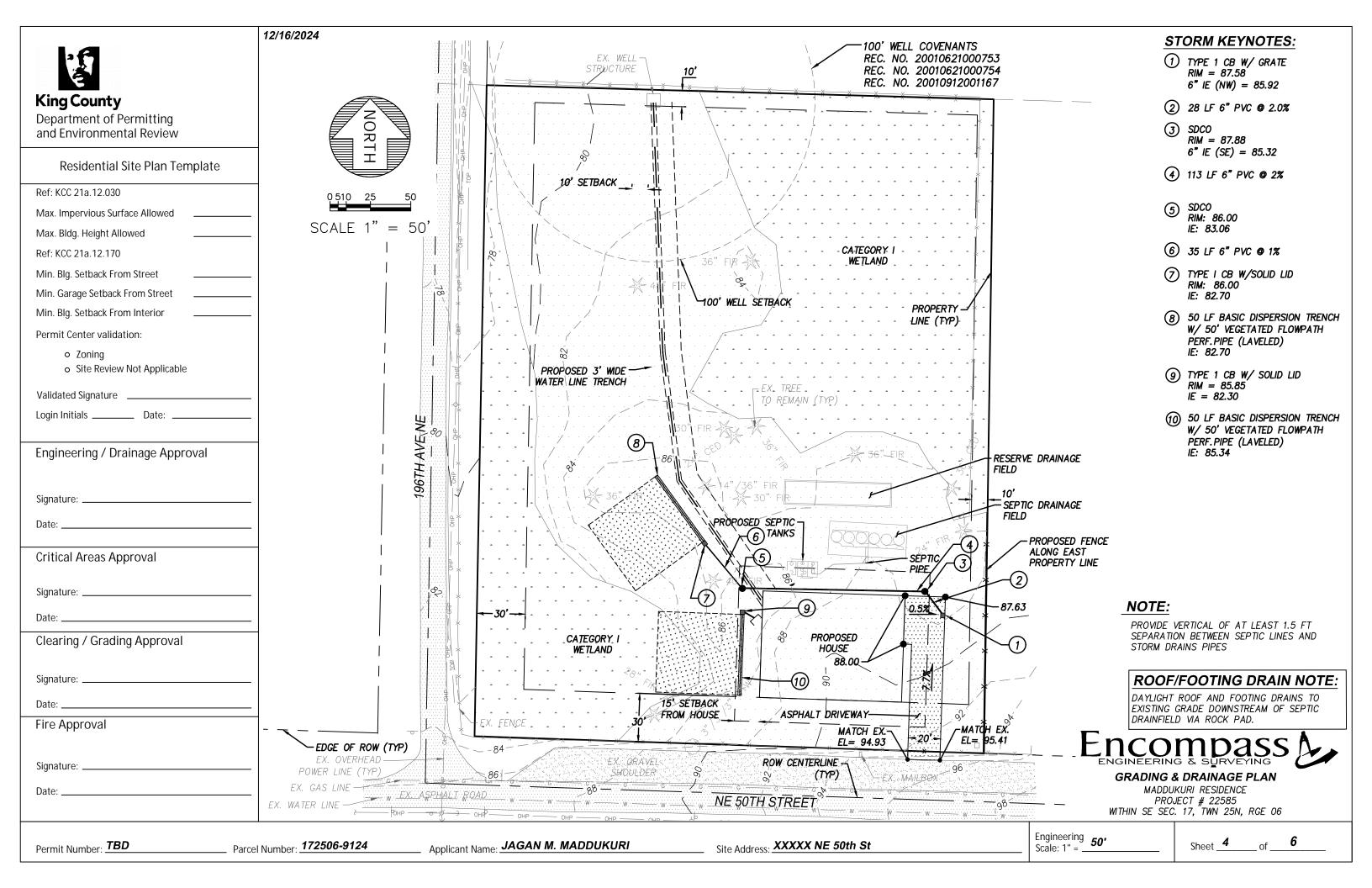
# TREE PROTECTION DETAIL



### **TESC DETAILS**

MADDUKURI RESIDENCE PROJECT # 22585 WITHIN SE SEC. 17, TWN 25N, RGE 06

rmit Number: <b>TBD</b>	Parcel Number: <u>172506-9124</u>	Applicant Name: <b>JAGAN M. MADDUKURI</b>	Site Address: <b>XXXXX NE 50th St</b>	Engineering	Sheet _3 of6
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Department of Permitting and Environmental Review

### Residential Site Plan Template

Ref: KCC 21a.12.030

Max. Impervious Surface Allowed

Max. Bldg. Height Allowed

Ref: KCC 21a.12.170

Min. Blg. Setback From Street

Min. Garage Setback From Street

Min. Blg. Setback From Interior

Permit Center validation:

- Zoning
- o Site Review Not Applicable

Validated Signature ____ Login Initials _____ Date: ____

Engineering / Drainage Approval

Signature:

Critical Areas Approval

Signature: _____

Clearing / Grading Approval

Signature: _

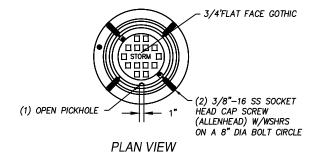
Fire Approval

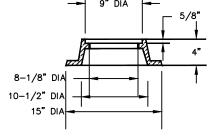
Date: .

Date: __

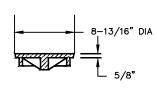
Signature: _

12/16/2024



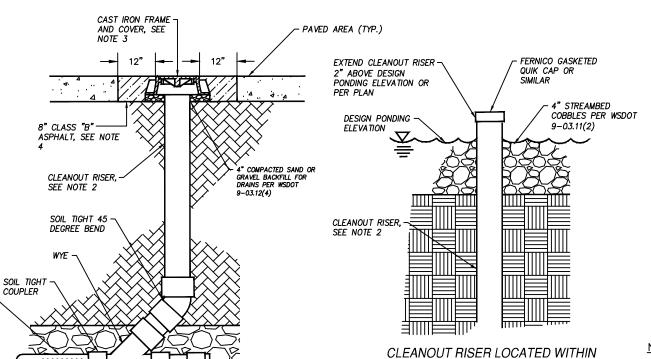


FRAME SECTION



COVER SECTION

**BIORETENTION PONDING AREA** 



MECHANICAL PLUG OR CONTINUED CONNECTION

### TYPICAL CLEANOUT CONFIGURATION

### NOTES:

UNDERDRAIN, FOOTING DRAIN COLLECTOR, OR

ROOF DRAIN

SEE NOTE 1

COLLECTOR PIPE,

TO OVERFLOW

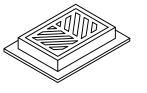
STRUCTURE OR STORM MAIN

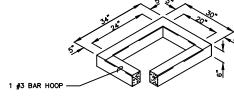
- 1. DIAMETER TO BE 6-INCHES MINIMUM PRIVATE, 8-INCHES MINIMUM PUBLIC. UNDERDRAIN PIPE.
- 2. CLEANOUT RISER SHALL BE SAME SIZE AND MATERIAL AS CONNECTED UNDERDRAIN, FOOTING DRAIN COLLECTOR, OR ROOF DRAIN COLLECTOR PIPE.
- 3. FRAME AND COVER SHALL BE EJ PRODUCT NO. 00367549B01 OR APPROVED EQUAL. COVER TO BE LOCKING WITH ALLEN HEAD BOLT, MARKED "STORM".
- 4. FOR CLEANOUTS FULLY OR PARTIALLY WITHIN UNPAYED AREAS OUTSIDE OF BIORETENTION PONDING AREA, POUR 8" THICK, 2'X2' SQUARE CONCRETE COLLAR AROUND FRAME. CONCRETE COLLAR SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.

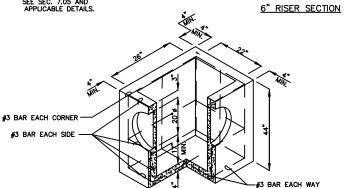
### GENERAL NOTES:

- 1. CLEANOUTS FOR UNDERDRAIN, FOOTING DRAIN COLLECTOR, AND ROOF DRAIN COLLECTOR PIPES SHALL BE INSTALLED AT A MINIMUM OF EVERY 100 FEET, AT EVERY 90 DEGREE OR SECOND 45 DEGREE BEND, AT THE END OF EVERY COLLECTOR PIPE, AND AT EACH END OF AN UNDERDRAIN PIPE NOT CONNECTED TO AN OVERFLOW STRUCTURE. CLEANOUTS SHALL BE INSTALLED TO ALLOW FOR MAINTENANCE ACCESS TO ALL PIPES.
- 2. ALL FITTINGS SHALL BE SOIL TIGHT.
- 3. CLEANOUT RISER SHALL BE LOCATED OUTSIDE OF BIORETENTION PONDING WHERE POSSIBLE.
- 4. CLEANOUTS SHALL NOT BE LOCATED WITHIN THE STREET TRAVEL LANE, UNLESS OTHERWISE APPROVED BY THE CITY.

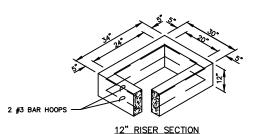
### STORM CLEANOUT DETAIL







PRECAST BASE SECTION (MEASUREMENT AT THE TOP OF THE BASE)



### NOTES:

- CATCH BASINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH AASHTO M 199 UNLESS OTHERWISE SHOWN ON PLANS OR NOTED IN THE WSDOT/APWA STANDARD SPECIFICATIONS.
- AS AN ACCEPTABLE ALTERNATIVE TO REBAR, WELDED WRE FABRIC HAVING A MIN. AREA OF 0.12 SQ. IN. PER FT. MAY BE USED. WELDED WIRE FABRIC SHALL COMPLY TO ASTM A497 (AASHTO M 221). WIRE FABRIC SHALL NOT BE PLACED IN KNOCKOUTS.
- 3. ALL REINFORCED CAST-IN-PLACE CONCRETE SHALL BE
- 4. PRECAST BASES SHALL BE FURNISHED WITH CUTOUTS OF KNOCKOUTS. KNOCKOUTS SHALL HAVE A WALL THICKNESS OF 2 IN. MIN. ALL PIPE SHALL BE INSTALLED IN FACTORY PROVIDED KNOCKOUTS. UNUSED KNOCKOUTS NEED NOT BE GROUTED IF WALL IS LEFT INTACT.
- 5. KNOCKOUT OR CUTOUT HOLE SIZE IS EQUAL TO PIPE OUTER DIAM. PLUS CATCH BASIN WALL THICKNESS.
- 6. ROUND KNOCKOUTS MAY BE ON ALL 4 SIDES, WITH MAX.
  DIAM. OF 20 IN. KNOCKOUTS MAY BE EITHER ROUND OR
  "D" SHAPE.

- 7. THE MAX. DEPTH FROM THE FINISHED GRADE TO THE PIPE INVERT IS 5 FT.
- 8. THE TAPER ON THE SIDES OF THE PRECAST BASE SECTION AND RISER SECTION SHALL NOT EXCEED 1/2" PER FT.
- CATCH BASIN FRAME AND GRATE SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATIONS AND MEET THE STRENGTH REQUIREMENTS OF FEDERAL SPECIFICATION RR-F-62IE. MATING SURFACES SHALL BE FINISHED TO ASSURE NON-ROCKING FIT WITH ANY COVER POSITION.
- 10. FRAME AND GRATE MAY BE INSTALLED WITH FLANGE DOWN OR CAST INTO RISER.
- 11. FOR CATCH BASINS IN PARKING LOTS REFER TO WSDOT/APWA STANDARD DWG. B-5.60-01.
- 12. EDGE OF RISER OR BRICK SHALL NOT BE MORE THAN 2 IN. FROM VERTICAL EDGE OF CATCH BASIN WALL.
- 13. SEE THE WSDOT/APWA STANDARD SPECIFICATIONS SECTION 9-05.15 FOR METAL CASTINGS REQUIREMENTS.

TYPE I CATCH BASIN

Encompass &

**CONSTRUCTION DETAILS I** 

MADDUKURI RESIDENCE PROJECT # 22585 WITHIN SE SEC. 17, TWN 25N, RGE 06

ermit Number: <b>TBD</b>	Parcel Number: <b>172506-9124</b>	_ Applicant Name: <b>JAGAN M. MADDUKURI</b>	Site Address: XXXXX NE 50th St	Engineering NTS Scale: 1" = NTS	Sheet _ <b>5</b> of <b>6</b>



Department of Permitting and Environmental Review

## Residential Site Plan Template

Ref: KCC 21a.12.030

Max. Impervious Surface Allowed

Max. Bldg. Height Allowed

Ref: KCC 21a.12.170

Min. Blg. Setback From Street

Min. Garage Setback From Street

Min. Blg. Setback From Interior

Permit Center validation:

- Zoning
- o Site Review Not Applicable

Validated Signature _____ Login Initials _____ Date: ____

Engineering / Drainage Approval

Signature:

Critical Areas Approval

Signature:

Clearing / Grading Approval

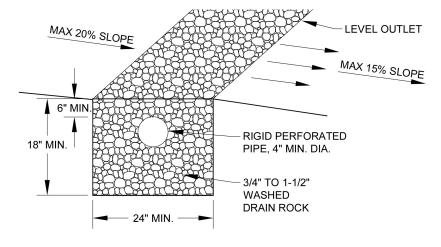
Signature:

Fire Approval

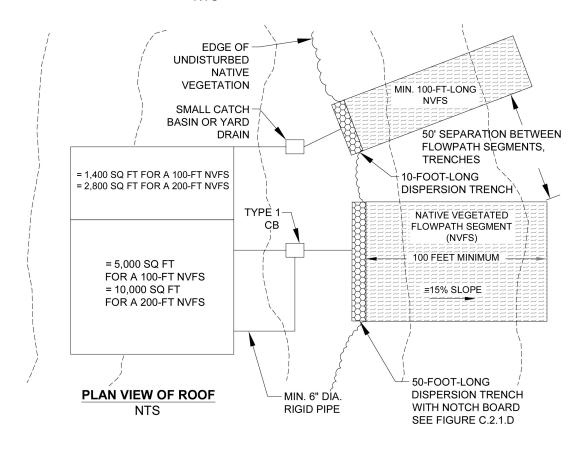
Date: _

Date: ___

Signature: ____



### TRENCH SECTION NTS



# **DISPERSION TRENCH DETAIL**



## **CONSTRUCTION DETAILS II**

MADDUKURI RESIDENCE PROJECT # 22585 WITHIN SE SEC. 17, TWN 25N, RGE 06

rmit Number: <b>TBD</b>	Parcel Number: <b>172506-9124</b>	Applicant Name: <b>JAGAN M. MADDUKURI</b>	Site Address: XXXXX NE 50th St	Scale: 1" = NTS	Sheet <b>_6</b> of <b>6</b>
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