TOWN OF YARROW POINT

KING COUNTY WASHINGTON

NE 42ND STREET/91ST AVENUE NE STORMWATER & UGC PROJECT

TOWN OFFICIALS

DICKER CAHILL

Mayor

STEPHAN LANGERHOLM

CARL SCANDELLA

MARY ELMORE

Town Council

ANDY VALAAS

STEVE BUSH

Town Council

STACIA SCHROEDER, P.E

TOWN ENGINEER

BONNIE RITTER

CLERK-TREASURER



JUNE 2019 G&O JOB #19456

MINIMUM

NO NTS OC OD PC PE PERF PI PVC PVI PVMT PVT QTY R

R/W
RED FREQD
RET
RR
S SCH
SHT
SL SPECS
STA
STD
TC
TELSC
THRD
TY
VERT

MISCELLANEOUS MECHANICAL JOIN NORTH NUMBER NOT TO SCALE ON CENTER

OUTSIDE DIAMETER

POINT OF CURVATURE
PLAIN END
PERFORATED

POINT OF INTERSECTION POWER POLE POINT OF TANGENCY

POINT OF VERTICAL INTERSECTION

TEMPORARY EROSION AND SEDIMENT CONTROL THREADED

WASHINGTON STATE DEPARTMENT OF TRANSPORTATION

PAVEMENT
POINT OF VERTICAL TANGENT
QUANTITY

POLYVINYL CHLORIDE

RADIUS RIGHT-OF-WAY REDUCER REINFORCE

SOUTH SCHEDULE SQUARE FEET SHEET

SHEET SLOPE SPECIFICATIONS SQUARE STATION STANDARD THRUST BLOCK TOP OF CURB

TELEPHONE

THROUGH

TYPICAL VERTICAL

WEST WITH

REQUIRED RETAINING RAILROAD

	SHEET INDEX
SHEET #	DESCRIPTION
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16	JOINT TRENCH DETAILS
17	IRRIGATION PLAN
18–21	RESTORATION PLAN

WATER SYMBOLS

EXISTING	PROPOSED	DESCRIPTION
]		CAP/PLUG
#		COUPLING/ADAPTER
0		GUARD POST/BOLLARD
\triangleright		REDUCER
\triangleleft		THRUST BLOCK
⊞		WATER METER
	FIRE HYDRAI	<u>NT</u>
-6-		FIRE HYDRANT (3-NOZZLE)
	VALVES	
P°		AIR RELIEF VALVE
Ŷ		BLOW-OFF VALVE
\bowtie		GATE VALVE

GAS/POWER/TELEPHONE/CABLE SYMBOLS

XISTING	PROPOSED	DESCRIPTION
O	•	GAS METER
(0)	131	GAS VALVE
-0-	•	UTILITY POLE
\leftarrow	\leftarrow	UTILITY POLE ANCHOR
	PSE	PSE (P) JUNCTION BOX OR VAULT (ACTUAL DIMENSION SHOWN IN PLAN VIEW)
	CL	CENTURY LINK (CL) HH (ACTUAL DIMENSION SHOWN IN PLAN VIEW)
	ΠVI	COMCAST (C) HH (ACTUAL DIMENSION SHOWN IN PLAN VIEW)

SURVEY SYMBOLS

EXISTING	PROPOSED	DESCRIPTION
Δ		CONTROL POINT
•		MONUMENT (IN CASE)
@		MONUMENT (SURFACE)
+		BENCH MARK

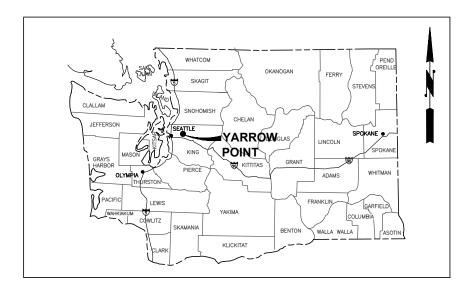
SANITARY/STORM SEWER SYMBOLS

EXISTING	PROPOSED	DESCRIPTION
0	0	STORM DRAIN MANHOLE/TYPE 2 CATCH BASIN (ACTUAL DIMENSION SHOWN FOR PROPOSED)
	•	STORM DRAIN CATCH BASIN, CONCRETE INLET, OR YARD/AREA DRAIN (ACTUAL DIMENSION SHOWN FOR PROPOSED)
S		SANITARY SEWER MANHOLE (ACTUAL DIMENSION SHOWN FOR PROPOSED)
0		CLEAN OUT (SAN. SEWER OR STORM)

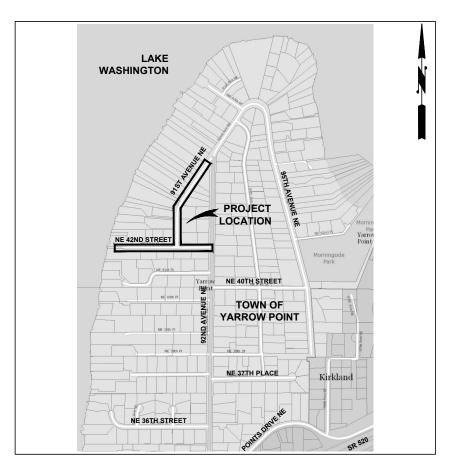
BOUNDARY/PROPERTY CORNER

SURFACE FEATURES/LANDSCAPING

EXISTING	PROPOSED	DESCRIPTION
		BUILDING
	-	MAIL BOX (NOTED)
Ф		SIGN
2001		ROCK WALL
		MODULAR BLOCK WALL
	\Box	SHRUB
NOTED	NOTED NOTED	TREE (CONIFER)
NOTED	NOTED	TREE (DECIDUOUS)

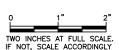


VICINITY MAP NTS



LOCATION MAP

SCALE: XXX





DATE: JUI	DRAWN:	снескер:	APPROVED
			DATE APPD
			DATE
JALLIN,	NOIS SUBMORION	DUST ENO	REVISION





STREET/91ST AVENUE NE WATER & UGC PROJECT TOWN OF YARROW POINT

ACINITY & LOCATION MAPS, SYMBOL LEGEND, ABBREVIATIONS AND INDEX

SHEET: 21 OF: JOB NO.: 19456 DWG: LEGEND

GENERAL NOTES

- 1. THIS DEVELOPMENT PROJECT SHALL CONFORM TO THE TOWN OF YARROW POINT'S REQUIREMENTS AND BE IN ACCORDANCE WITH THE APPROVED PLANS ANY CHANGES FROM THE APPROVED PLAN WILL RECUIRE APPROVAL FROM THE OWNER, ENGINEER, BUILDING OFFICIAL, TOWN ENGINEER. AND TOWN PLANNER AS APPLICABLE.
- 2. ALL WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE "WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (WSDOT) STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION (LATEST EDITION), EXCEPT WHERE SUPPLEMENTED OR MODIFIED BY THE TOWN, COPIES OF THE ABOVE DOCUMENTS SHALL BE AVAILABLE AT THE
- 3. A PRE-CONSTRUCTION MEETING IS REQUIRED PRIOR TO THE START OF ALL CONSTRUCTION, CONTACT THE TOWN ENGINEER OR THE TOWN BUILDING OFFICIAL TO SCHEDULE A MEETING.
- 4. LOCATIONS SHOWN FOR EXISTING UTILITIES ARE APPROXIMATE. TH CONTRACTOR IS CAUTIONED THAT OVERHEAD UTILITY LINES MAY NOT BE SHOWN ON THE DRAWINGS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE TRUE ELEVATIONS AND LOCATIONS OF ALL UNDERGROUND UTILITIES AND THE EXTENT OF ANY HAZARDS CREATED BY OVERHEAD UTILITY LINES. IDENTIFICATION, LOCATION MARKING, AND RESPONSIBILITY FOR UNDERGROUND FACILITIES OR UTILITIES IS GOVERNED BY PROVISION OF CHAPTER 19.122 REVISED CODE OF WASHINGTON (RCW). PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL CALL ONECALL (1-800-424-5555) FOR UTILITY LOCATIONS (WATER, SANITARY SEWER, STORM SEWER, GAS, POWER, TELEPHONE, CABLE TELEVISION, AND
- 5. AS-BUILT DRAWINGS ARE REQUIRED PRIOR TO PROJECT ACCEPTANCE.
- IF THIS PROJECT INVOLVES A PUBLIC IMPROVEMENT, THE PLANS SHALL BE PREPARED USING THE ICC/ANSI A117.1-2003 AMERICAN NATIONAL STANDARD FOR ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES REFERENCE MANUAL, ANY CONFLICTS BETWEEN THOSE STANDARDS AND THESE PLANS SHALL BE IMMEDIATELY BROUGHT TO THE TOWN'S

STORM DRAINAGE NOTES

- A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION
- 2. BEFORE ANY CONSTRUCTION MAY OCCUR, THE CONTRACTOR SHALL HAVE PLANS WHICH HAVE BEEN SIGNED AND APPROVED BY THE TOWN OF YARROW POINT, OBTAINED ALL TOWN, COUNTY, STATE, FEDERAL, AND OTHER REQUIRED PERMITS, AND HAVE POSTED ALL REQUIRED BONDS. CONTACT THE TOWN OF YARROW POINT (425) 454-6994 FOR THE CURRENT PLAN SUBMITTAL PROCEDURES.
- 3. ALL STORM DRAINAGE IMPROVEMENTS SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE LATEST EDITION OF THE TOWN OF YARROW POINT STANDARD PLANS AND NOTES, AND THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION, PREPARED BY WSDOT AND THE AMERICAN PUBLIC WORKS ASSOCIATION (APWA)
- 4. ANY DEVIATION FROM THE APPROVED PLANS WILL REQUIRE WRITTEN APPROVAL. CHANGES SHALL BE SUBMITTED TO THE TOWN
- 5. A COPY OF THE APPROVED STORM WATER PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
- 6. ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED OR SIMILARLY STABILIZED TO THE SATISFACTION OF THE TOWN OF YARROW POINT FOR THE PREVENTION OF ON-SITE EROSION AFTER THE COMPLETION OF CONSTRUCTION.
- 7. MINIMUM COVER OVER STORM DRAINAGE PIPES IN ROW OR VEHICULAR PATH SHALL BE 18 INCHES, UNLESS OTHER DESIGN IS APPROVED
- 8. STEEL PIPE SHALL HAVE ASPHALT TREATMENT #1 OR BETTER INSIDE AND
- 9. ALL CATCH BASINS SHALL BE TYPE I UNLESS OTHERWISE NOTED. CATCH BASINS WITH A DEPTH OF OVER FIVE FEET (5') TO THE PIPE INVERT SHALL BE A TYPE II CATCH BASIN. TYPE II CATCH BASINS EXCEEDING FIVE FEET (5') IN DEPTH SHALL HAVE A STANDARD LADDER INSTALLED
- 10. ALL STORM DRAINAGE MAIN EXTENSIONS WITHIN THE PUBLIC RIGHT-OF-WAY OR IN EASEMENTS MUST BE STAKED FOR LINE AND GRADE PRIOR TO STARTING CONSTRUCTION
- 11. ROCK FOR FROSION PROTECTION OF ROADWAY DITCHES, WHERE REQUIRED, MUST BE OF SOUND QUARRY ROCK, PLACED TO A DEPTH OF ONE FOOT (1) AND MUST MEET THE FOLLOWING SPECIFICATIONS: 4"-8" ROCK/40%70% PASSING; 2"-4" ROCK/ 30%-40% PASSING; 2"-MINUS ROCK/ 10%-20% PASSING.
- 12. ALL PIPE, MANHOLES, CATCH BASINS, AND APPURTENANCES SHALL BE LAID ON A PROPERLY PREPARED FOUNDATION IN ACCORDANCE WITH THE CURRENT STATE OF WASHINGTON STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (WSDOT). THIS SHALL INCLUDE NECESSARY LEVELING OF THE TRENCH BOTTOM OR THE TOP OF THE FOUNDATION MATERIAL AS WELL AS PLACEMENT AND COMPACTION OF REQUIRED BEDDING MATERIAL TO UNIFORM GRADE SO THAT THE ENTIRE LENGTH OF THE PIPE WILL BE SUPPORTED ON A UNIFORMLY DENSE, UNYIELDING BASE. IF THE NATIVE MATERIAL IN THE BOTTOM OF THE TRENCH MEETS THE REQUIREMENTS FOR "GRAVEL BACKFILL FOR PIPE BEDDING," THE FIRST LIFT OF PIPE BEDDING MAY BE OMITTED PROVIDED THE MATERIAL IN THE BOTTOM OF THE TRENCH IS LOOSENED, RE-GRADED, AND COMPACTED TO FORM A DENSE UNYIELDING BASE. ALL PIPE BEDDING SHALL BE APWA CLASS B. TYPE I. OR BETTER, PIPE SHALL NOT BE INSTALLED ON SOD. FROZEN EARTH, LARGE BOULDERS, OR ROCK. PIPE BEDDING FOR FLEXIBLE PIPES SHALL BE PEA GRAVEL TO THE SPRING LINE OF THE PIPE.
- 13. CONSTRUCTION OF DEWATERING (GROUNDWATER) SYSTEMS SHALL BE IN ACCORDANCE WITH THE APWA STANDARD SPECIFICATIONS.

STORM DRAINAGE NOTES (CONT.)

- 14. ISSUANCE OF A BUILDING AND/OR SITE DEVELOPMENT PERMIT BY THE TOWN OF YARROW POINT DOES NOT RELIEVE THE OWNER OF THE CONTINUING LEGAL OBLIGATION AND/OR LIABILITY CONNECTED WITH STORM SURFACE WATER DISPOSITION. FURTHER, THE TOWN OF YARROW POINT DOES NOT ACCEPT ANY OBLIGATION FOR THE PROPER FUNCTIONING AND MAINTENANCE OF THE SYSTEM DURING OR FOLLOWING CONSTRUCTION EXCEPT AS OUTLINED IN THE YARROW POINT MUNICIPAL CODE.
- 15. ALL TRENCH BACKFILL SHALL BE COMPACTED TO 95 PERCENT DENSITY IN ROADWAYS, ROADWAY SHOULDERS, ROADWAY PRISM AND DRIVEWAYS, AND 85 PERCENT DENSITY IN UNPAVED AREAS. ALL PIPE ZONE COMPACTION SHALL BE 95 PERCENT.
- 16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SAFEGUARDS, SAFETY DEVICES, PROTECTIVE EQUIPMENT, CONFINED SPACE PROTECTION, FLAGGERS, AND ANY OTHER NEEDED ACTIONS TO PROTECT THE LIFE, HEALTH, AND SAFETY OF THE PUBLIC, AND TO PROTECT PROPERTY IN CONNECTION WITH THE PERFORMANCE OF WORK COVERED BY THE CONTRACT. ANY WORK WITHIN THE TRAVELED RIGHT-OF-WAY THAT MAY INTERRUPT NORMAL TRAFFIC FLOW SHALL REQUIRE A TRAFFIC CONTROL PLAN APPROVED BY THE TOWN OF YARROW POINT. ALL SECTIONS OF THE WSDOT STANDARD SPECIFICATIONS, TRAFFIC CONTROL SECTION. AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)
- 17. NO FINAL CUT OR FILL SLOPE SHALL EXCEED SLOPES OF TWO (2) HORIZONTAL TO ONE (1) VERTICAL WITHOUT STABILIZATION BY ROCKERY OR BY A STRUCTURAL RETAINING WALL.
- 18. ALL MANHOLE LADDERS SHALL BE FIRMLY ATTACHED AND EXTEND TO WITHIN 1'OF THE
- 19. APPROXIMATE LOCATIONS OF EXISTING UTILITIES HAVE BEEN OBTAINED FROM AVAILABLE RECORDS AND ARE SHOWN FOR CONVENIENCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF EXISTING UTILITY LOCATIONS WHETHER OR NOT THESE UTILITIES ARE SHOWN ON THE PLANS. THE CONTRACTOR SHALL EXERCISE ALL CARE TO AVOID DAMAGE TO ANY UTILITY. IF CONFLICTS WITH EXISTING UTILITIES ARISE DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE TOWN ENGINEER OR THE TOWN BUILDING OFFICIAL IMMEDIATELY AND ANY CHANGES REQUIRED SHALL BE APPROVED BY THE APPROPRIATE TOWN STAFF PRIOR TO COMMENCEMENT OF RELATED CONSTRUCTION ON THE PROJECT.
- 20. THE UNDERGROUND UTILITY LOCATION SERVICE SHALL BE CONTACTED FOR THE FIELD LOCATION OF EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. THE OWNER OR HIS REPRESENTATIVE SHALL BE CONTACTED IF A UTILITY CONFLICT EXISTS. FOR UTILITY LOCATIONS IN KING COUNTY CALL 1-800-424-5555. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT UTILITY LOCATES ARE MAINTAINED THROUGHOUT THE LIFE OF THE PROJECT.
- 21 THE CONTRACTOR SHALL VERIFY THE LOCATIONS WIDTHS THICKNESSES AND FLEVATIONS OF ALL EXISTING PAVEMENTS AND STRUCTURES THAT ARE TO INTERFACE WITH NEW WORK PROVIDE ALL TRIMMING, CUTTING, SAW CUTTING, GRADING, LEVELING, SLOPING, COATING, WORK, INCLUDING MATERIALS AS NECESSARY, TO CAUSE THE INTERFACE WITH EXISTING WORKS TO BE PROPER, ACCEPTABLE TO THE TOWN ENGINEER AND/OR THE TOWN BUILDING OFFICIAL, COMPLETE IN PLACE AND READY TO USE.
- 22. ALL INLET, MANHOLE, AND CATCH BASIN FRAMES AND GRATES SHALL NOT BE ADJUSTED TO GRADE UNTIL IMMEDIATELY PRIOR TO FINAL PAVING, ALL CATCH BASIN GRATES SHALL BE SET 0.10' BELOW PAVEMENT LEVEL.
- 23. UTILITY ROAD CROSSINGS SHALL BE BORED WHENEVER POSSIBLE. OPEN CUT ROAD CROSSINGS FOR UTILITY TRENCHES ON EXISTING TRAVELED ROADWAYS SHALL BE BACKFILLED ONLY WITH 5/8" MINUS CRUSHED ROCK AND MECHANICALLY COMPACTED (UNLESS OTHERWISE APPROVED BY THE TOWN). NOTE: FOR STREETS UNDERLAIN BY CONCRETE, BACKFILL FOR CROSSINGS SHALL BE CDF. CUTS INTO THE EXISTING ASPHALT SHALL BE NEAT LINE CUT WITH SAW OR JACK HAMMER IN A CONTINUOUS LINE. A TEMPORARY COLD MIX PATCH MUST BE PLACED IMMEDIATELY AFTER BACKFILL AND COMPACTION. A PERMANENT HOT MIX PATCH SHALL BE PLACED WITHIN 30 DAYS AND SHALL BE A MINIMUM OF 1" THICKER THAN THE ORIGINAL ASPHALT WITH A MINIMUM
- 24. ALL DAMAGES INCURRED TO PUBLIC AND/OR PRIVATE PROPERTY BY THE CONTRACTOR DURING THE COURSE OF CONSTRUCTION SHALL BE PROMPTLY REPAIRED TO THE SATISFACTION OF THE TOWN ENGINEER AND/OR TOWN BUILDING OFFICIAL BEFORE PROJECT APPROVAL AND THE RELEASE ANY BONDS.
- 25. GROUT ALL SEAMS AND OPENINGS IN ALL INLETS. CATCH BASINS, AND MANHOLES,
- 26. WHEN WIDENING AN EXISTING ROADWAY WHERE AN EXISTING TYPE I CATCH BASIN WILL REMAIN IN THE TRAVEL LANE, THE EXISTING FRAME AND COVER SHALL BE REPLACED WITH A ROUND, LOCKING FRAME AND COVER.
- 27. FOR OTHER THAN SINGLE-FAMILY DWELLINGS, ALL EXPOSED OR READILY EXPOSED INDOOR STORM DRAINAGE PIPING/PLUMBING SHALL BE LABELED WITH THE WORDS "STORM DRAIN WITH MINIMUM 2 INCH HIGH LETTERS.

TEMPORARY EROSION/SEDIMENTATION NOTES

- 1. THE APPROVED CONSTRUCTION SEQUENCE SHALL BE AS FOLLOWS:
 - a. CONDUCT PRE-CONSTRUCTION MEETING. b. FLAG OR FENCE CLEARING LIMITS.
- c. POST SIGN WITH NAME AND PHONE NUMBER OF TESC SUPERVISOR.
 d. INSTALL CATCH BASIN PROTECTION IF REQUIRED.
- e. GRADE AND INSTALL CONSTRUCTION ENTRANCE(S).
 f. INSTALL PERIMETER PROTECTION (SILT FENCE, BRUSH BARRIER, ETC.).
- CONSTRUCT SEDIMENT PONDS AND TRAPS.
- . GRADE AND STABILIZE CONSTRUCTION ROADS.
- . CONSTRUCT SURFACE WATER CONTROLS (INTERCEPTOR DIKES, PIPE SLOPE DRAINS, ETC.) SIMULTANEOUSLY WITH CLEARING AND GRADING FOR PROJECT DEVELOPMENT.
- j. MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH TOWN OF YARROW POINT STANDARDS AND MANUFACTURER'S RECOMMENDATIONS.
- k. RELOCATE EROSION CONTROL MEASURES OR INSTALL NEW MEASURES SO THAT AS SITE CONDITIONS CHANGE, THE EROSION AND SEDIMENT CONTROL IS ALWAYS IN ACCORDANCE WITH THE TOWN TESC MINIMUM REQUIREMENTS.

 1. COVER ALL AREAS WITHIN THE SPECIFIED TIME FRAME WITH STRAW, WOOD FIBER
- MULCH, COMPOST, PLASTIC SHEETING, CRUSHED ROCK OR EQUIVALENT.

 m.STABILIZE ALL AREAS THAT REACH FINAL GRADE WITHIN 7 DAYS.
- n. SEED OR SOD ANY AREAS TO REMAIN UNWORKED FOR MORE THAN 30 DAYS. o. UPON COMPLETION OF THE PROJECT, ALL DISTURBED AREAS MUST BE STABILIZED AND BEST MANAGEMENT PRACTICES REMOVED IF APPROPRIATE.
- 2. APPROVAL OF THIS EROSION/SEDIMENTATION CONTROL (ESC) PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN (E.G., SIZE AND LOCATION OF ROADS, PIPES, RESTRICTORS, CHANNELS, RETENTION FACILITIES, UTILITIES, ETC.)
- 3. THE IMPLEMENTATION OF THIS ESC PLAN AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE PERMITTEE/CONTRACTOR UNTIL ALL CONSTRUCTION IS APPROVED.
- 4. THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE SET BY SURVEY AND CLEARLY FLAGGED IN THE FIELD BY A CLEARING CONTROL FENCE PRIOR TO CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE OR REMOVAL OF ANY GROUND COVER BEYOND THE FLAGGED CLEARING LIMITS SHALL BE PERMITTED. THE FLAGGING SHALL BE MAINTAINED BY THE PERMITTEE/CONTRACTOR FOR THE DURATION OF CONSTRUCTION.
- 5. THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED PRIOR TO OR IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT-LADEN WATER DOES NOT ENTER THE DRAINAGE SYSTEM VIOLATE APPLICABLE WATER STANDARDS. WHEREVER POSSIBLE, MAINTAIN NATURAL VEGETATION FOR SILT CONTROL.
- 6. THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED (E.G. ADDITIONAL SUMPS, RELOCATION OF DITCHES AND SILT FENCES, ETC.) AS NEEDED FOR UNEXPECTED STORM EVENTS ADDITIONALLY, MORE ESC FACILITIES MAY BE REQUIRED TO ENSURE COMPLETE SILTATION CONTROL. THEREFORE, DURING THE COURSE OF CONSTRUCTION IT SHALL BE THE OBLIGATION AND RESPONSIBILITY OF THE CONTRACTOR TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY HIS ACTIVITIES AND TO PROVIDE ADDITIONAL FACILITIES OVER AND ABOVE THE MINIMUM REQUIREMENTS AS MAY BE NEEDED.
- 7. THE ESC FACILITIES SHALL BE INSPECTED BY THE PERMITTEE/CONTRACTOR DAILY DURING NON-RAINFALL PERIODS, EVERY HOUR (DAYLIGHT) DURING RAINFALL EVENTS, AT THE END OF EVERY RAINFALL. AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING. IN ADDITION, TEMPORARY SILTATION PONDS AND ALL TEMPORARY SILTATION CONTROLS SHALL BE MAINTAINED IN A SATISFACTORY CONDITION UNTIL SUCH TIME THAT CLEARING AND/OR CONSTRUCTION IS COMPLETED, PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL. AND THE POTENTIAL FOR EROSION HAS PASSED. WRITTEN RECORDS SHALL BE KEPT DOCUMENTING THE REVIEWS OF THE ESC FACILITIES.
- 8. THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN 48 HOURS FOLLOWING A STORM EVENT.
- 9. ALL DENUDED SOILS MUST BE STABILIZE WITH AN APPROVED TESC METHOD (E.G. SEEDING, MULICHING, PLASTIC COVERING, CRUSHED ROCK) WITHIN THE FOLLOWING
 - a. MAY 1 TO SEPTEMBER 30 SOILS MUST BE STABILIZED WITHIN 7 DAYS OF GRADING.
 - b. OCTOBER 1 TO APRIL 30 SOILS MUST BE STABILIZED WITHIN 2 DAYS OF GRADING
 - c. STABILIZE SOILS AT THE END OF THE WORKDAY PRIOR TO A WEEKEND, HOLIDAY, OR PREDICTED RAIN EVENT.
- 10. AT NO TIME SHALL MORE THAN 1' OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A CATCH BASIN. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT-LADEN WATER INTO THE DOWNSTREAM SYSTEM
- 11. STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES, SUCH AS WASH PADS, MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
- 12. ANY PERMANENT RETENTION/DETENTION FACILITY USED AS A TEMPORARY SETTLING BASIN SHALL BE MODIFIED WITH THE NECESSARY FROSION CONTROL MEASURES AND SHALL PROVIDE ADEQUATE STORAGE CAPACITY. IF THE PERMANENT FACILITY IS TO FUNCTION ULTIMATELY AS AN INFILTRATION OR DISPERSION SYSTEM. THE FACILITY SHALL NOT BE USED AS A TEMPORARY SETTLING BASIN. NO UNDERGROUND DETENTION TANK, DETENTION VAULT. OR SYSTEM WHICH BACKS UNDER OR INTO A POND SHALL BE USED AS A TEMPORARY SETTLING BASIN.
- 13. WHERE SEEDING FOR TEMPORARY EROSION CONTROL IS REQUIRED, FAST GERMINATING GRASSES SHALL BE APPLIED AT AN APPROPRIATE RATE (E.G., ANNUAL OR PERENNIAL RYE APPLIED AT APPROXIMATELY 80 POUNDS PER ACRE).
- 14. WHERE STRAW MULCH IS REQUIRED FOR TEMPORARY EROSION CONTROL. IT SHALL BE APPLIED AT A MINIMUM THICKNESS OF 2".

- HEIGHT OF 3'.
- 16. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TOWN OF YARROW POINT STANDARDS AND SPECIFICATIONS.
- 17. THE ESC FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAILS ON THE APPROVED PLANS. LOCATIONS MAY BE MOVED TO SUIT FIELD CONDITIONS, SUBJECT TO APPROVAL BY THE TOWN ENGINEER OR THE TOWN BUILDING OFFICIAL
- 18. A COPY OF THE APPROVED EROSION CONTROL PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
- 19. ALL LOTS ADJOINING OR HAVING ANY NATIVE GROWTH PROTECTION EASEMENTS (NGPE) SHALL HAVE A 6' HIGH TEMPORARY CONSTRUCTION FENCE (CHAIN LINK WITH PIER BLOCKS) SEPARATING THE LOT (OR BUILDABLE PORTIONS OF THE LOT) FROM THE AREA RESTRICTED BY THE NGPE AND SHALL BE INSTALLED PRIOR TO ANY GRADING OR CLEARING AND REMAIN IN PLACE UNTIL THE TOWN ENGINEER AUTHORIZES REMOVAL
- 20. CLEARING LIMITS SHALL BE DELINEATED WITH A CLEARING CONTROL FENCE. THE CLEARING CONTROL FENCE SHALL CONSIST OF A 6-FT HIGH CHAIN LINK FENCE ADJACENT THE DRIP LINE OF TREES TO BE SAVED, WETLAND OR STREAM BUFFERS, AND SENSITIVE SLOPES. CLEARING CONTROL FENCES ALONG WETLAND OR STREAM BUFFERS OR UPSLOPE OF SENSITIVE SLOPES SHALL BE ACCOMPANIED BY AN EROSION CONTROL FENCE, IF APPROVED BY THE TOWN, A FOUR-FOOT HIGH ORANGE MESH CLEARING CONTROL FENCE MAY BE USED TO DELINEATE CLEARING LIMITS IN ALL OTHER AREAS.
- 21. OFF-SITE STREETS MUST BE KEPT CLEAN AT ALL TIMES. IF DIRT IS DEPOSITED ON THE PUBLIC STREET SYSTEM THE STREET SHALL BE IMMEDIATELY CLEANED WITH POWER SWEEPER OR OTHER EQUIPMENT. ALL VEHICLES SHALL LEAVE THE SITE BY WAY OF THE CONSTRUCTION ENTRANCE AND SHALL BE CLEANED OF ALL DIRT THAT WOULD BE DEPOSITED ON THE PUBLIC STREETS.
- 22. ANY CATCH BASINS COLLECTING RUNOFF FROM THE SITE, WHETHER THEY ARE ON OR OFF THE SITE SHALL HAVE THEIR GRATES COVERED WITH FILTER FABRIC DURING CONSTRUCTION. CATCH BASINS DIRECTLY DOWNSTREAM OF THE CONSTRUCTION ENTRANCE OR ANY OTHER CATCH BASIN AS DETERMINED BY THE TOWN ENGINEER OR TOWN BUILDING OFFICIAL SHALL BE PROTECTED WITH A "FILTER FABRIC SOCK" OR
- 23. THE WASHED GRAVEL BACKFILL ADJACENT TO THE FILTER FABRIC FENCE SHALL BE REPLACED AND THE FILTER FABRIC CLEANED IF IT IS NONFUNCTIONAL BY EXCESSIVE SILT ACCUMULATION AS DETERMINE BY THE TOWN OF YARROW POINT, ALSO, ALL INTERCEPTOR SWALES SHALL BE CLEANED IF SILT ACCUMULATION EXCEEDS ONE QUARTER DEPTH
- 24. ROCK FOR EROSION PROTECTION OF ROADWAY DITCHES, WHERE REQUIRED, MUST BE OF SOUND QUARRY ROCK, PLACED TO A DEPTH OF 1' AND MUST MEET THE FOLLOWING SPECIFICATIONS: 4"-8" ROCK/40%-70% PASSING; 2"-4" ROCK/ 30%-40% PASSING; AND 1"-2" ROCK 10%-20%
- 25. IF ANY PART(S) OF THE CLEARING LIMIT BOUNDARY OR TEMPORARY EROSION/ SEDIMENTATION CONTROL PLAN IS/ARE DAMAGED, IT SHALL BE REPAIRED IMMEDIATELY
- 26. ALL PROPERTIES ADJACENT TO THE PROJECT SITE SHALL BE PROTECTED FROM SEDIMENT DEPOSITION AND RUNOFF.
- 27. DO NOT FLUSH CONCRETE BY-PRODUCTS OR TRUCKS NEAR OR INTO THE STORM DRAINAGE SYSTEM. IF EXPOSED AGGREGATE IS FLUSHED INTO THE STORM SYSTEM, IT COULD MEAN RE-CLEANING THE ENTIRE DOWNSTREAM STORM SYSTEM, OR POSSIBLY RE-IAYING THE STORM LINE
- 28, PRIOR TO OCTOBER 1 OF EACH YEAR (THE BEGINNING OF THE WET SEASON), ALL DISTURBED AREAS SHALL BE REVIEWED TO IDENTIFY WHICH ONES CAN BE SEEDED IN PREPARATION FOR THE WINTER RAINS. THE IDENTIFIED DISTURBED AREA SHALL BE SEEDED WITHIN ONE WEEK AFTER OCTOBER 1. A SITE PLAN DEPICTING THE AREAS TO BE SEEDED AND THE AREAS TO REMAIN UNCOVERED SHALL BE SUBMITTED TO THE TOWN ENGINEER. THE TOWN ENGINEER CAN REQUIRE SEEDING OF ADDITIONAL AREAS IN ORDER TO PROTECT SURFACE WATERS, ADJACENT PROPERTIES, OR DRAINAGE FACILITIES.
- 29. IF A SEDIMENT POND IS NOT PROPOSED, A BAKER TANK OR OTHER TEMPORARY GROUND AND/OR SURFACE WATER STORAGE TANK MAY BE REQUIRED DURING CONSTRUCTION, DEPENDING ON WEATHER CONDITIONS.

15. ALL EROSION/SEDIMENTATION CONTROL PONDS WITH A DEAD STORAGE DEPTH EXCEEDING 6" MUST HAVE A PERIMETER FENCE WITH A MINIMUM



SOONSTRUCTION SOONSTRUCTION 909





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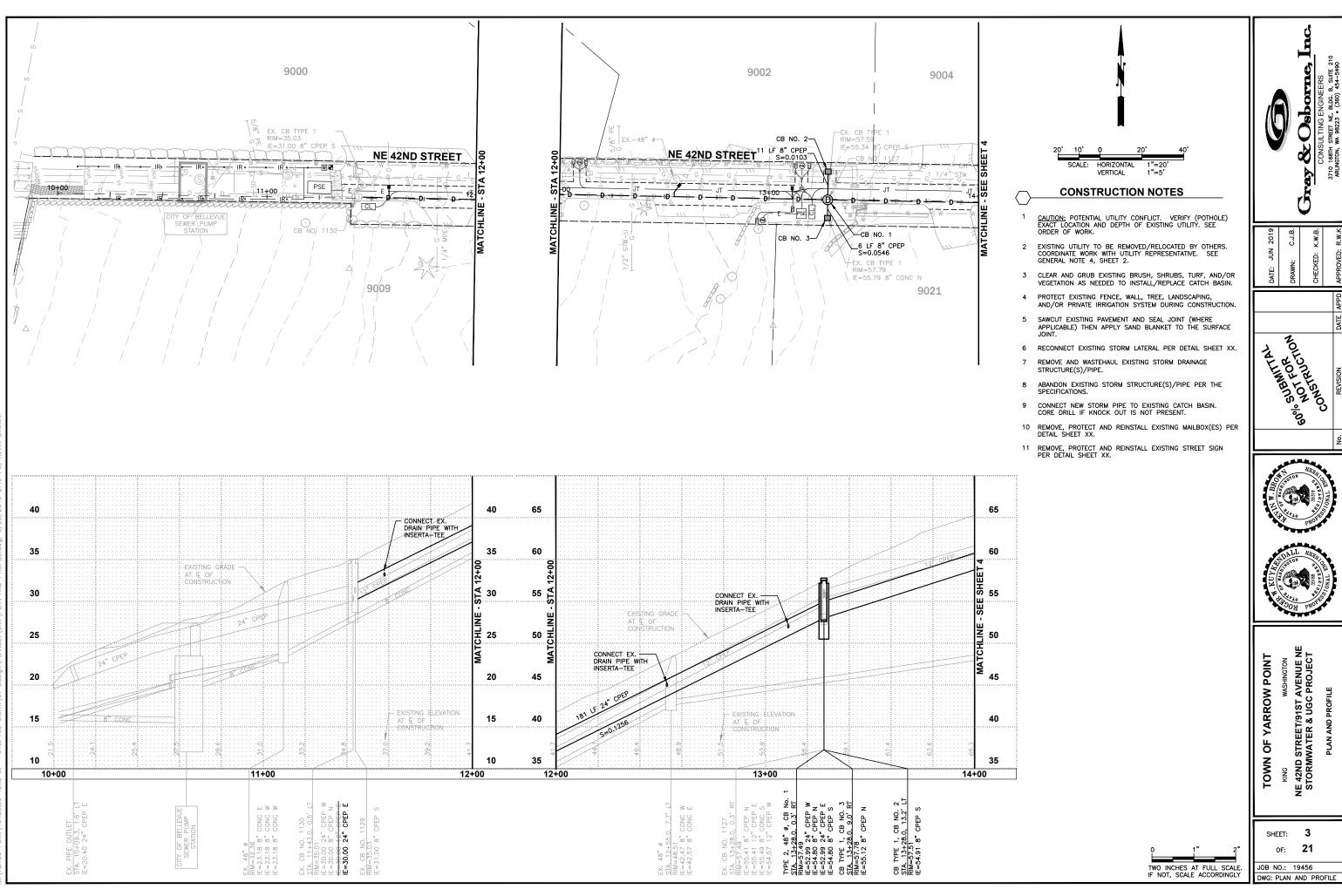
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SHEET: 2 21 OF:

JOB NO.: 19456 DWG: GENERAL NOTES

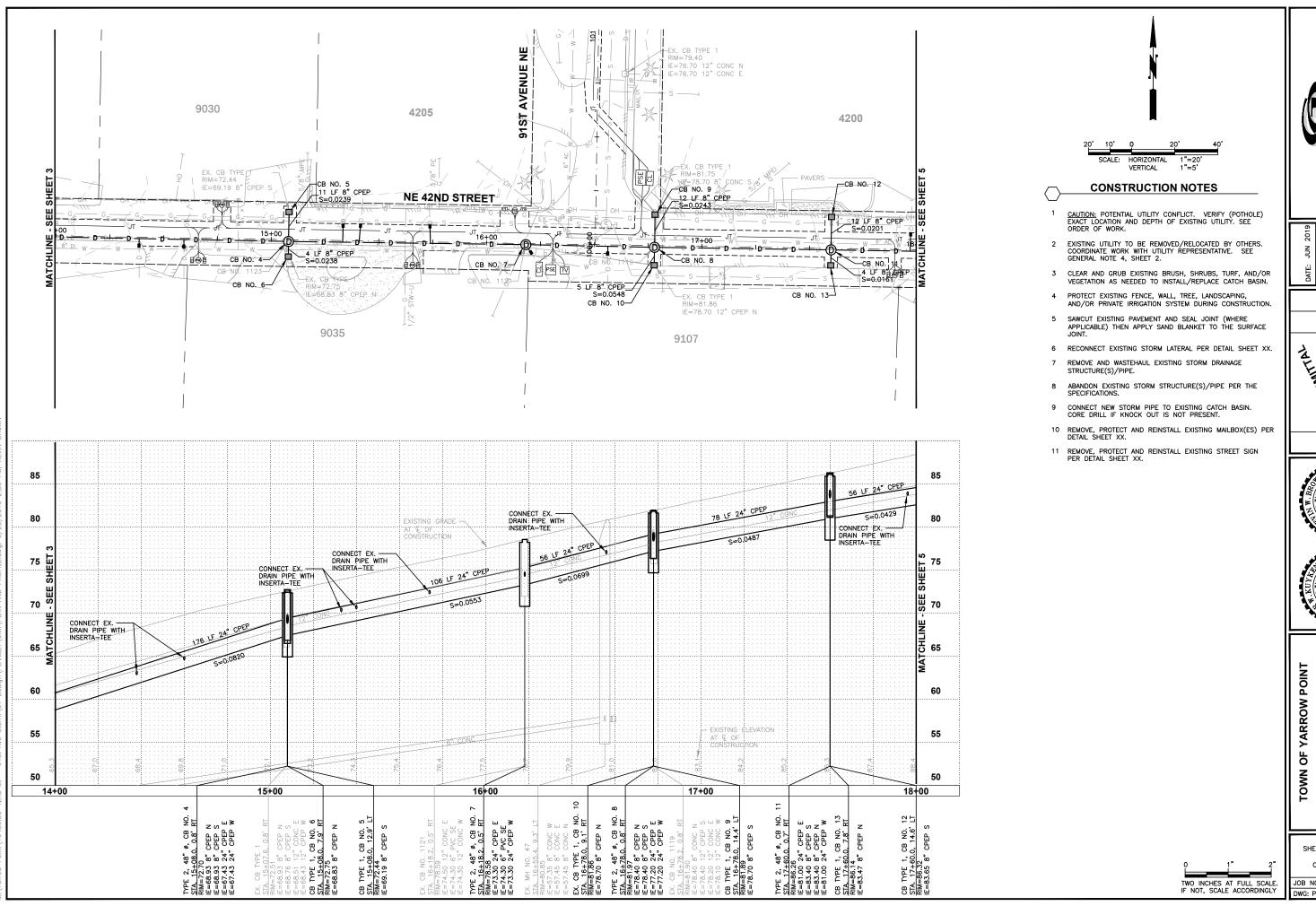


60° SUBMITTAL SONSTRUCTION CONSTRUCTION



KING WASHINGTON
NE 42ND STREET/91ST AVENUE NE
STORMWATER & UGC PROJECT

3 SHEET: 21 OF: JOB NO.: 19456



Gray & Osborne, IL

CONSULTING ENGINEERS
370 168PH STREET NE, BLD. B, SUITE 210
ARUNGTON, WH, 98223 • (360) 454-2490

CHECKED: K.W.B.

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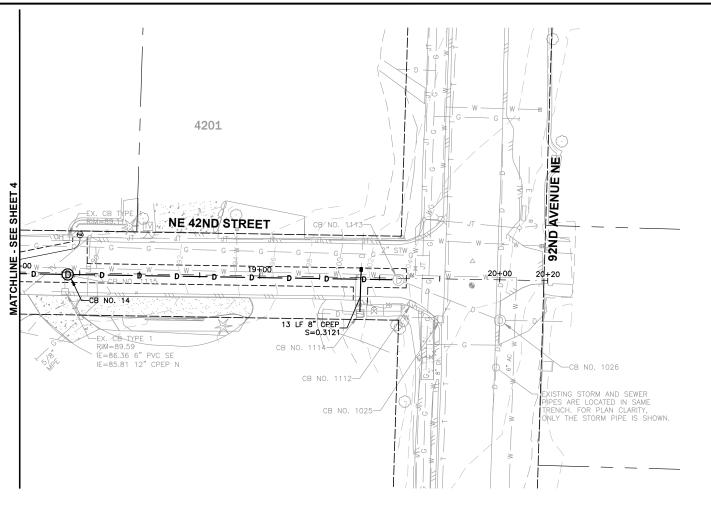


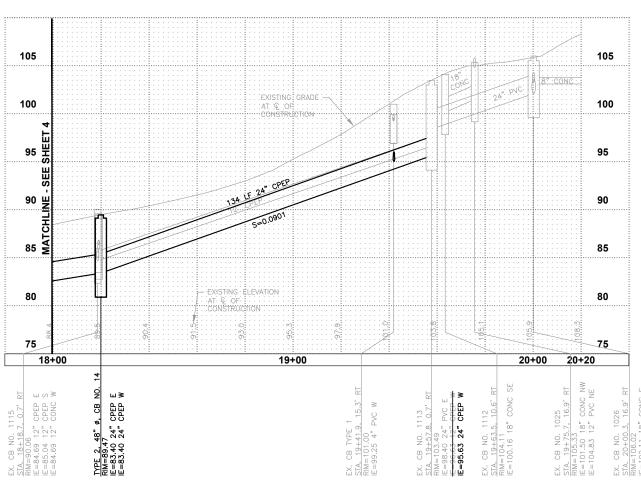
TOWN OF YARROW POINT
KING
WASHINGTON
NE 42ND STREET/91ST AVENUE NE
STORMWATER & UGC PROJECT

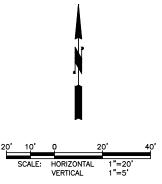
SHEET: **4**OF: **21**

OF: **21**JOB NO.: 19456

DWG: PLAN AND PROFILE







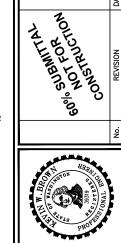
CONSTRUCTION NOTES

- 3 CLEAR AND GRUB EXISTING BRUSH, SHRUBS, TURF, AND/OR VEGETATION AS NEEDED TO INSTALL/REPLACE CATCH BASIN.
- 4 PROTECT EXISTING FENCE, WALL, TREE, LANDSCAPING,
- 5 SAWCUT EXISTING PAVEMENT AND SEAL JOINT (WHERE APPLICABLE) THEN APPLY SAND BLANKET TO THE SURFACE JOINT.
- 6 RECONNECT EXISTING STORM LATERAL PER DETAIL SHEET XX.
- REMOVE AND WASTEHAUL EXISTING STORM DRAINAGE



- CAUTION: POTENTIAL UTILITY CONFLICT. VERIFY (POTHOLE) EXACT LOCATION AND DEPTH OF EXISTING UTILITY. SEE ORDER OF WORK.
- 2 EXISTING UTILITY TO BE REMOVED/RELOCATED BY OTHERS. COORDINATE WORK WITH UTILITY REPRESENTATIVE. SEE GENERAL NOTE 4, SHEET 2.
- AND/OR PRIVATE IRRIGATION SYSTEM DURING CONSTRUCTION.

- STRUCTURE(S)/PIPE.
- 8 ABANDON EXISTING STORM STRUCTURE(S)/PIPE PER THE SPECIFICATIONS.
- 9 CONNECT NEW STORM PIPE TO EXISTING CATCH BASIN. CORE DRILL IF KNOCK OUT IS NOT PRESENT.
- 10 REMOVE, PROTECT AND REINSTALL EXISTING MAILBOX(ES) PER DETAIL SHEET XX.
- 11 REMOVE, PROTECT AND REINSTALL EXISTING STREET SIGN PER DETAIL SHEET XX.



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TOWN OF YARROW POINT

KING WASHINGTON

NE 42ND STREET/91ST AVENUE NE
STORMWATER & UGC PROJECT

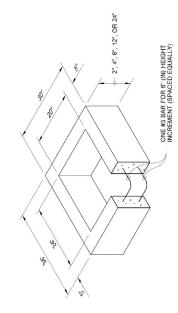
SHEET: 5 21 OF:

JOB NO.: 19456 DWG: PLAN AND PROFILE





DRAWN BY: LISA CYFORD



RECTANGULAR ADJUSTMENT SECTION

ALLOWANCES PIPE

MAXIMUM INSIDE DIAMETER (INCHES)	12"	15"	12"	15"	15"
PIPE MATERIAL	REINFORCED OR PLAIN CONCRETE	ALL METAL PIPE	CPSSP ★ (STD. SPEC. SECT. 9-05.20)	SOLID WALL PVC (STD. SPEC. SECT. 9-05.12(1))	PROFILE WALL PVC (STD. SPEC. SECT. 9-05.12(2))

PIPE MATERIAL	MAXIMUM INSIDE DIAMETER (INCHES)
REINFORCED OR PLAIN CONCRETE	12"
ALL METAL PIPE	15"
CPSSP ★ (STD. SPEC. SECT. 9-05.20)	12"
SOLID WALL PVC (STD. SPEC. SECT. 9-05.12(1))	15"
PROFILE WALL PVC STD. SPEC. SECT. 9-05.12(2))	15"

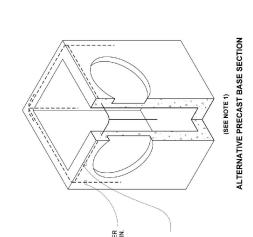
PIPE MATERIAL	MAXIMUM INSIDE DIAMETER (INCHES)	
REINFORCED OR PLAIN CONCRETE	12"	
ALL METAL PIPE	15"	
PSSP ★ STD. SPEC. SECT. 9-05.20)	12"	
SOLID WALL PVC STD. SPEC. SECT. 9-05.12(1))	15"	
PROFILE WALL PVC STD. SPEC. SECT. 9-05.12(2))	15"	

PIPE MATERIAL	MAXIMUM INSIDE DIAMETER (INCHES)
INFORCED OR AIN CONCRETE	12"
. METAL PIPE	15"
SSP ★ D. SPEC. SECT. 9-05.20)	12"
LID WALL PVC D. SPEC. SECT. 9-05.12(1))	15"
OFILE WALL PVC D. SPEC. SECT. 9-05.12(2))	15"

4.

5. The Precast Base Section may have a be sloped at a rate of 1:24 or steeper

. 6





DRAWN BY: FERN LIDDELL

No steps are required when neignus or considered to be solved to facilitate cleaning.
 The bottom of the precast catch basin may be sloped to facilitate cleaning.
 The rectangular frame and grate may be installed with the flange up or dow. The frame may be cast into the adjustnest section.
 Knockouts shall have a wall thickness of 2" (in) minimum to 2.5" (in) maxim Provide a 1.5" (in) minimum gap between the knockout wall and the outside the pipe. After the pipe is installed, fill the gap with joint mortar in accordan with Standard Specification Section 9-04.3.

RECTANGULAR ADJUSTMENT SECTION OR CIRCULAR ADJUSTMENT SECTION CATCH BASIN FRAME AND VANEOR OR MANHOLE RING AND COVER "S1 (.9YT) .NIM "S SEPARATE BASE PRECAST .XAM "8S 12. - 0., WAX. (FOR MAINTENANCE)

	CATCH	BASIN DI	BASIN DIMENSIONS	so
CATCH BASIN DIAMETER	MIN. WALL THICKNESS	MIN. BASE THICKNESS	MAXIMUM KNOCKOUT SIZE	MINIMUM DISTANCE BETWEEN KNOCKOUTS
48"	4"	9	36"	
54"	4.5"	8	42"	
09	9		48"	₩.
72"	9		.09	12"
84"		12"	72"	12"
96	8	12"	84"	12"
120"	10"	12"	.96	12"
144"	12"	12"	108"	12"

	PIPE	E ALLO	PIPE ALLOWANCES		
HOTAG	PIPE MATERIAL WITH MAXIMUM INSIDE DIAMETER	IAL WITH IN	IAXIMUM IN	SIDE DIAM	ETER
BASIN DIAMETER	CONCRETE	ALL	CPSSP (1 PP (4	SOLID WALL PVC	PROFILE WALL PVC ③
48"	24"	30"	24"	30"	
54"	30	36"	30	36"	36"
.09	36"	42"	36"	42"	42"
72"	42"	54"	42"	48"	48"
8	54"	.09	54"	48"	48"
.96	09	72"	.09	48"	48"
120"	99	84"	.09	48"	48"

- 1446

 ① Corrugate
 (See Stan
 ② (See Stan
 ③ (See Stan
 ④ (See Stan



CATCH BASIN TYPE 2

STANDARD PLAN B-10.20-02

TWO INCHES AT FULL SCALE.
IF NOT, SCALE ACCORDINGLY

TOWN OF YARROW POINT SHEET:

JOB NO.: 19456

6 21

KING WASHINGTON NE 42ND STREET/91ST AVENUE NE STORMWATER & UGC PROJECT STORM DETAILS

60% SUBMITTAL 60% NOTFORTION CONSTRUCTION

JUN 2019

TWO INCHES AT FULL SCALE.
IF NOT, SCALE ACCORDINGLY

KING WASHINGTON NE 42ND STREET/91ST AVENUE NE STORMWATER & UGC PROJECT **TOWN OF YARROW POINT**

DWG: DETAILS

21

SHEET: 7 JOB NO.: 19456

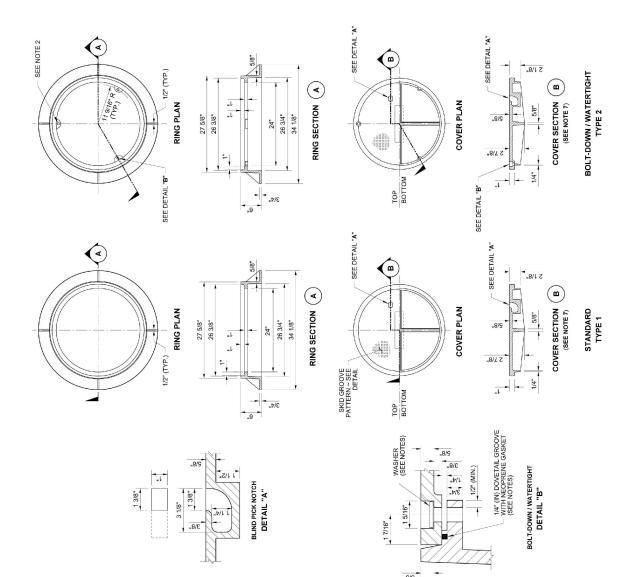
STORM DETAILS

60% SUBMITTAL 60% NOTFOCTION CONSTRUCTION

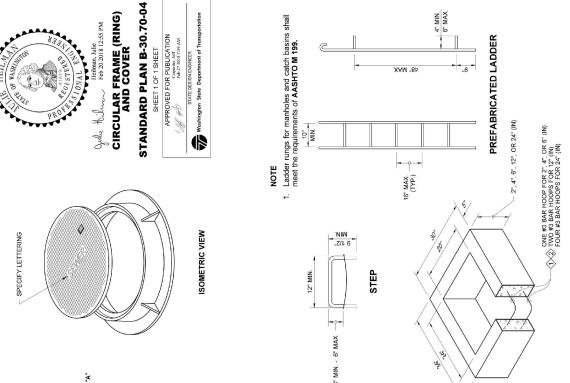
JUN 2019

DRAWN BY: FERN LIDDELL

The gasket and groove may be in the seat (frame) or in the unders the cover. The gasket may be "T" shaped in section. The groove cast or machined.



6. Alternative reinforcing designs are ver--, 7. For clarity, the vertical scale of the Cover Se it is 1.5 times the horizontal scale (1H:1.5V).





TYPICAL ORIENTATION FOR ACCESS AND STEPS

#5 BARS @ 6 SPACING

20" (IN) x 24" (IN), OR 42" (IN) x 24" (IN) RECTANGULAR OPENING

84" (IN) or 96" (IN) FLAT SLAB TOP

12"-

24" (IN) DIAM., 48" (IN) DIAM., 54" (IN) DIAM., OR 60" (IN) DIAM. OPENING

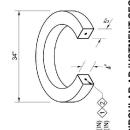
20" x 24" (IN), OR 42" (IN) x 24" (IN) RECTANGULAR OPENING

.XAM "81 .XAM "84

72" (IN) FLAT SLAB TOP

20" (IN) × 24" (IN) - OR 42" (IN) × 24" (IN) -RECTANGULAR OPENING

As an acceptable alternative to rebar, wire mesh having a minimum area of 0.12 square inches per foot may be used for adjustment sections.
 As an acceptable alternative to conventional steel reinforcem amanufacturers shall use Synthetic Structural Fibers meeting requirements of Standard Specification Section 9.05.50(1)



ECCENTRIC CONE SECTION

ONE #3 BAR HOOP FOR 2", 4", OR 6" (IN) (1)

48" (IN), 54", or 60" (IN) FLAT SLAB TOP

- - - ...8



TWO INCHES AT FULL SCALE. IF NOT, SCALE ACCORDINGLY

TOWN OF YARROW POINT

KING WASHINGTON
NE 42ND STREET/91ST AVENUE NE
STORMWATER & UGC PROJECT

8 SHEET:

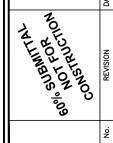
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JOB NO.: 19456

STORM DETAILS







DATE: JUN 2019

TYPICAL PATCH FOR PAVEMENT

NOTES:

- 1. IF THE DISTANCE FROM THE EDGE OF PATCH TO THE EDGE OF PAVEMENT OR CURB AND GUTTER IS LESS
 THAN 3', THE PATCH MUST CONTINUE TO THE EXISTING EDGE; UNLESS ROADWAY IS OVERLAID WITHIN 60
 DAYS. HMA PER THE SPECIFICATIONS DAYS.

 HMA PER THE SPECIFICATIONS

 ALL TRENCH BACKFILL SHALL BE
 TRENCHES, OR AS DIRECTED BY ENGINEER.
- PATCH MUST ALWAYS BE 1" DEEPER THAN EXISTING ASPHALT; MAX 6" DEEP, OR AS DIRECTED BY
- ENGINEER.
 6. TOP SEAL-USE AR4000W AND PROVIDE A SAND BLANKET TO ALLEVIATE TRAILING.

MODIFIED

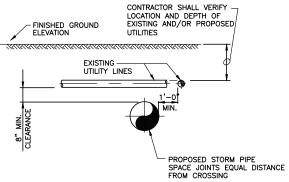
TOWN OF YARROW POINT

4030 95TH AVENUE NE YARROW POINT, WA 98004 P: (425) 454-6994 F: (425) 454-7899 townholdl@clyarmow-point.wa.us www.ci.yarrow-point.wa.us



RESTORATION DETAIL AND PAVEMENT PATCHING

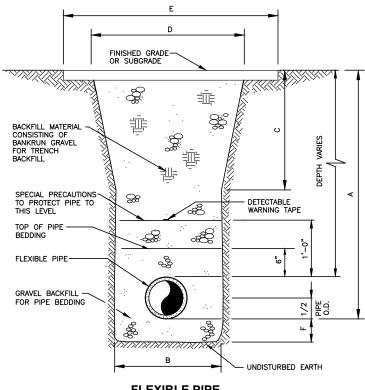
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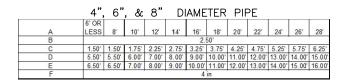
1. BACKFILL ANY CROSSING WITH LESS THAN 12" CLEARANCE WITH CDF.

TYPICAL UTILITY CROSSING NTS



FLEXIBLE PIPE TRENCH SECTION

NOT TO SCALE

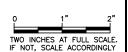


		1.	2"	DIA	MET	ER	PIPE	Ξ				
	6' OR	01	401	401	4.0	401	401	201	0.01	0.41	001	001
A	LESS	8,	10'	12'	14'	16'	18'	20'	22"	24'	26'	28'
В						3.1	00'				56	
C	1.50	1.50'	1.75"	2.25	2.75	3.25	3.75	4.25	4.75	5.25	5.75	6.25
D	6.00"	6.00'	6.50"	7.50	8.50	9.50'	10.50	11.50"	12.50	13.50	14.50	15.50
E	7.00	7.00'	7.50	8.50	9.50	10.50	11.50	12.50*	13.50	14.50	15.50	16.50
F						4	in					

		1	8"	DIA	MET	ER	PIPE	Ξ				
	6' OR											
A	LESS	8'	10"	12'	14'	16'	18"	20'	22	24'	26'	28"
В						3.7	75'					
С	1.50	1.50'	1.75'	2.25	2.75	3.25	3.75	4.25	4.75	5.25	5.75	6.25"
D	6.75	6.75	7.25	8.25	9.25	10.25	11.25	12.25'	13.25	14.25"	15.25	16.25"
E	7.75	7.75	8.25"	9.25	10.25	11.25	12.25	13.25"	14.25	15.25	16.25	17.25
F						6	in					

		2	4"	DIA	MET	ER	PIP	Ξ				
	6' OR			1111								
A	LESS	8'	10'	12"	14'	16'	18'	20'	22'	24'	26'	28'
В					,	5.	25'					
C	1.50'	1.50	1.75	2.25'	2.75	3.25	3.75	4.25	4.75	5.25	5.75'	6.25
D	8.25'	8.25	8.75	9.75'	10.75	11.75	12.75	13.75	14.75	15.75	16.75	17.75
E	9.25'	9.25	9.75	10.75	11.75	12.75	13.75	14.75	15.75	16.75	17.75	18.75
F						6	in					

PAYMENT LIMIT SCHEDULE



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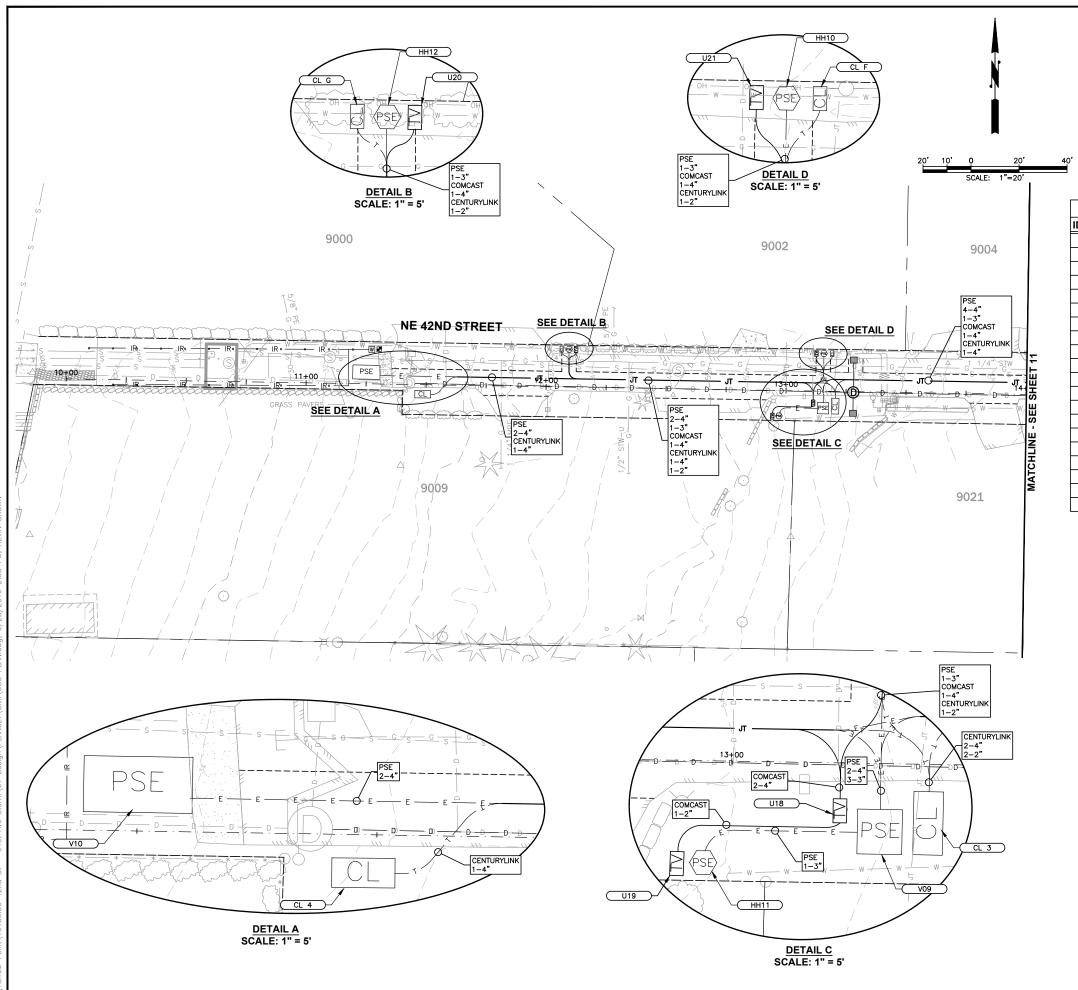
60% SUBMITTAL 60% NOTFORTION CONSTRUCTION



TOWN OF YARROW POINT

KING WASHINGTON
NE 42ND STREET/91ST AVENUE NE
STORMWATER & UGC PROJECT

SHEET: 9 21 OF: JOB NO.: 19456 DWG: DFTAILS



NOTES NOTES → POWER, TELEPHONE, & CABLE NOTES

- 1. EXISTING UTILITY TO BE REMOVED/RELOCATED BY OTHERS. UTILITY COMPANY SHALL BE NOTIFIED FIVE (5) DAYS PRIOR TO THE DAY THE UTILITY NEEDS TO BE RELOCATED OR REMOVED. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES.
- 2. PROTECT EXISTING UTILITY POLE, PEDESTAL, VAULT, AND/OR TRANSFORMER DURING CONSTRUCTION. SEE GENERAL NOTE 4, SHEET 2.
- 3. SAWCUT EXISTING PAVEMENT AND SEAL JOINT (WHERE APPLICABLE) THEN APPLY SAND BLANKET TO THE SURFACE JOINT.
- 4. SAWCUT EXISTING CONCRETE SURFACE ALONG EXISTING JOINT AND PROVIDE A CLEAN EDGE.

	U	TILI	TY S	STRUCTURE SCHEDULE
D	STATION	OFF	SET	STRUCTURE DESCRIPTION
	l	L	l	

UTILITY STRUCTURE NOTES

STRUCTURE LOCATIONS SHALL BE MARKED IN THE FIELD AND APPROVED BY THE UTILITY OWNER PRIOR TO EXCAVATION. THE CONTRACTOR SHALL NOTIFY UTILITY COMPANIES A MINIMUM OF ONE (1) WEEK PRIOR TO MARKING THE LOCATIONS.



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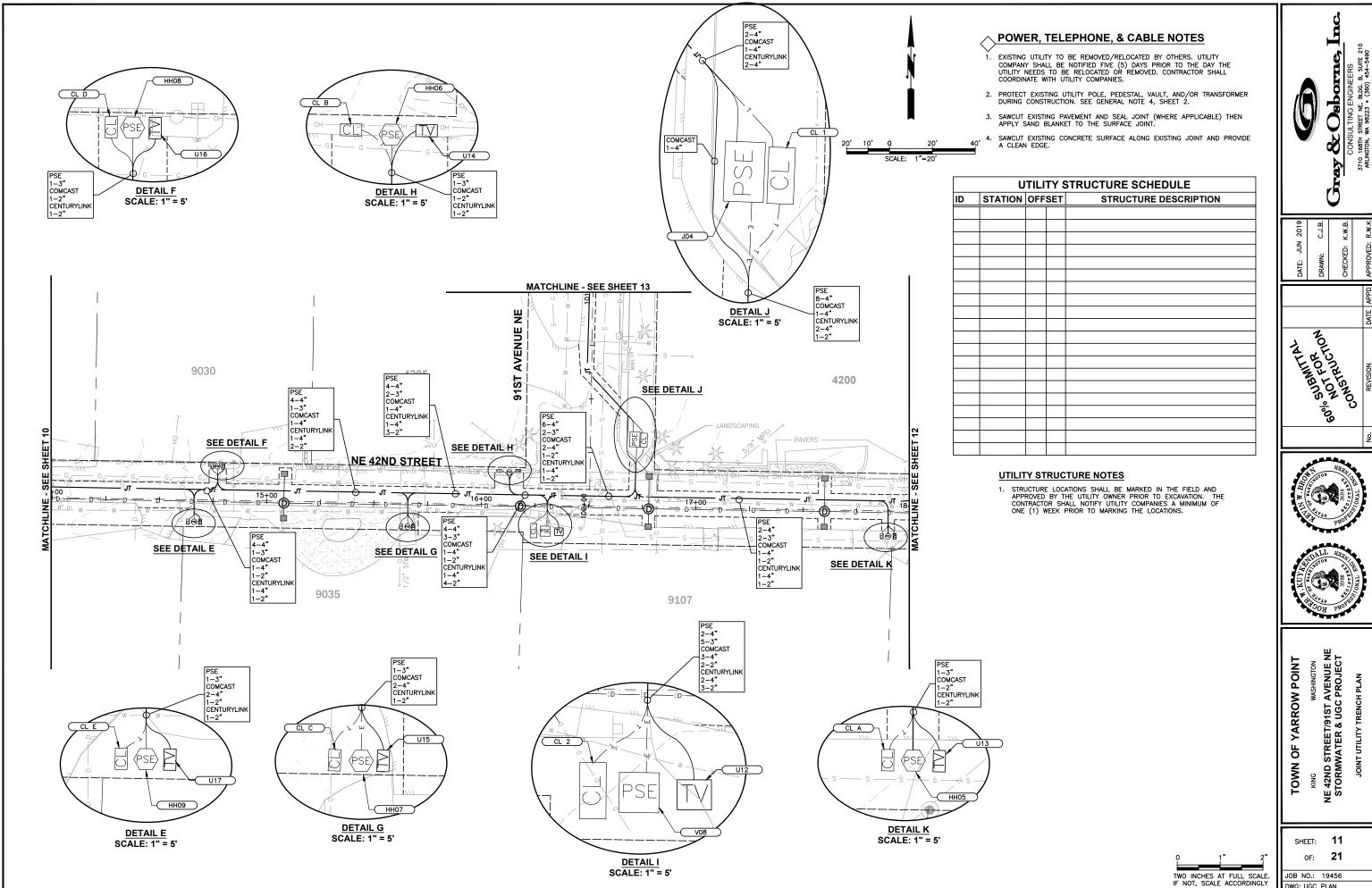




TOWN OF YARROW POINT
KING WASHINGTON

KING WASHINGTON
NE 42ND STREET/91ST AVENUE NE
STORMWATER & UGC PROJECT
JOINT UTILITY TRENCH PLAN

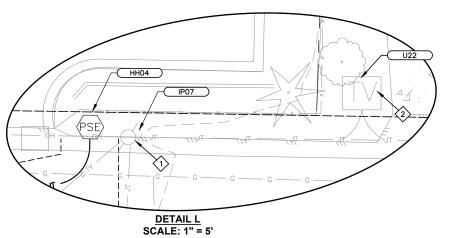
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OF:	21	
JOB NO.:	19456	
DWG: UGC	PLAN	

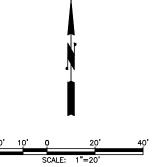




KING WASHINGTON NE 42ND STREET/91ST AVENUE NE STORMWATER & UGC PROJECT JOINT UTILITY TRENCH PLAN

SHEET: 11 21 OF: JOB NO.: 19456 DWG: UGC PLAN







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			STRUCTURE SCHEDULE
ID	STATION	OFFSET	STRUCTURE DESCRIPTION
	+		
	+		

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	(Gray &	3710 168TH ARLINGTON,
1 2019	C.J.B.	K.W.B.	R.W.K
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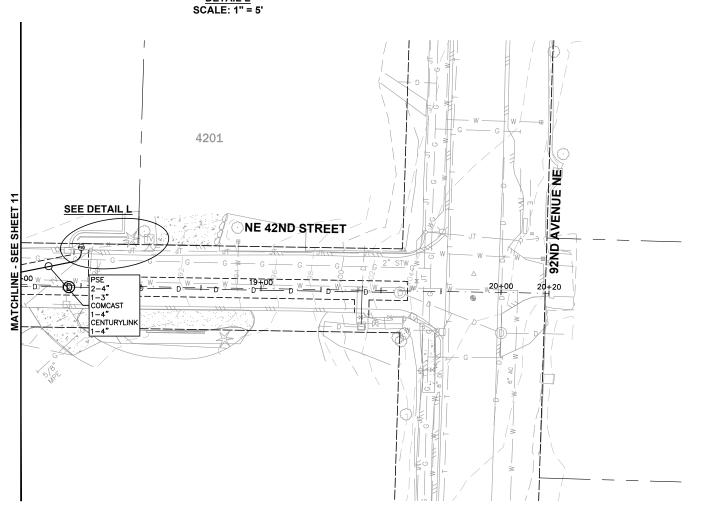


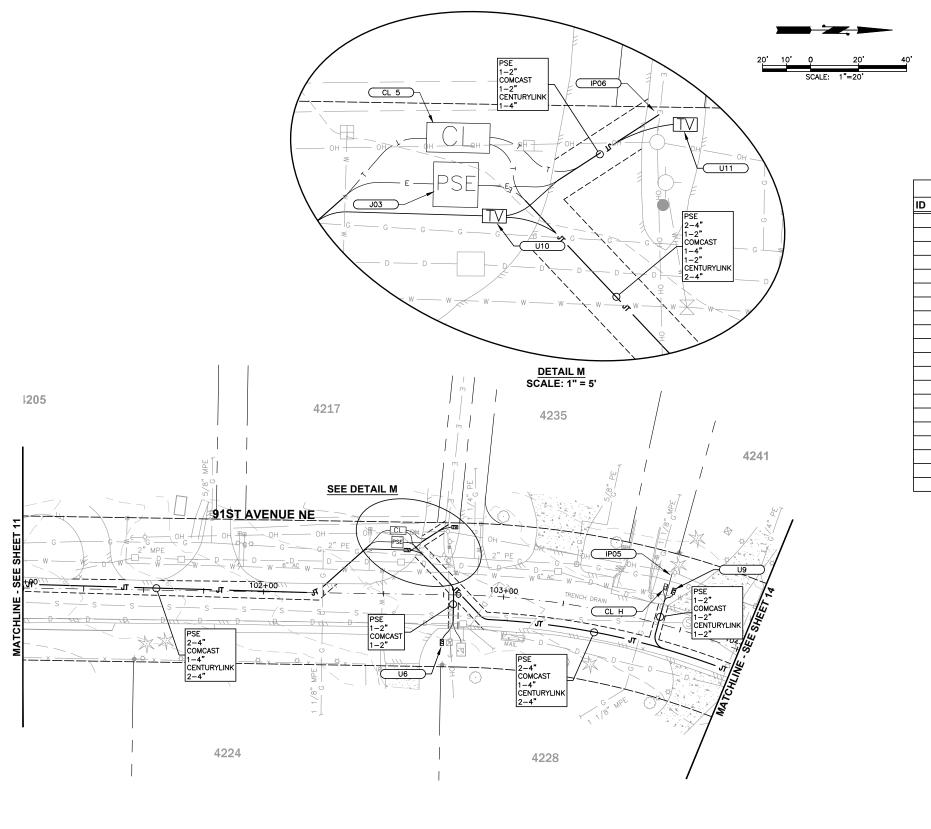
TOWN OF YARROW POINT

KING WASHINGTON
NE 42ND STREET/91ST AVENUE NE
STORMWATER & UGC PROJECT JOINT UTILITY TRENCH PLAN

Sł	HEET:	12
	OF:	21
ов	NO.:	19456

DWG: UGC PLAN





POWER, TELEPHONE, & CABLE NOTES

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	U	TILI	TY S	STRUCTURE SCHEDULE
ID	STATION	OFF	SET	STRUCTURE DESCRIPTION

UTILITY STRUCTURE NOTES

1. STRUCTURE LOCATIONS SHALL BE MARKED IN THE FIELD AND APPROVED BY THE UTILITY OWNER PRIOR TO EXCAVATION. THE CONTRACTOR SHALL NOTIFY UTILITY COMPANIES A MINIMUM OF ONE (1) WEEK PRIOR TO MARKING THE LOCATIONS.



DRAWN: C.J.B. CHECKED: K.W.B. APPROVED: R.W.K





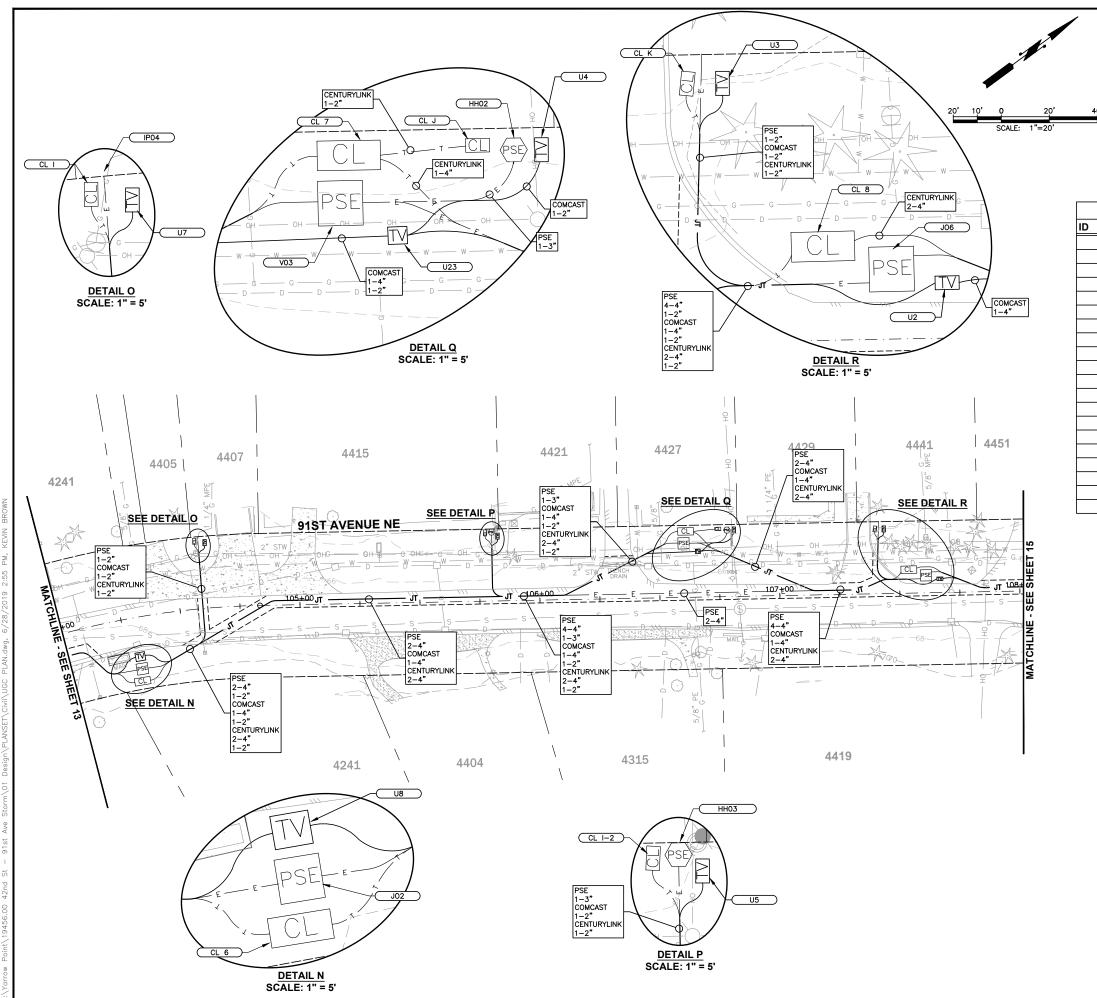


TOWN OF YARROW POINT

KING WASHINGTON
NE 42ND STREET/91ST AVENUE NE
STORMWATER & UGC PROJECT JOINT UTILITY TRENCH PLAN

SHEET: 13 OF:

21 JOB NO.: 19456 DWG: UGC PLAN



POWER, TELEPHONE, & CABLE NOTES

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- 40' 2. PROTECT EXISTING UTILITY POLE, PEDESTAL, VAULT, AND/OR TRANSFORMER DURING CONSTRUCTION. SEE GENERAL NOTE 4, SHEET 2.
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 - 4. SAWCUT EXISTING CONCRETE SURFACE ALONG EXISTING JOINT AND PROVIDE A CLEAN EDGE.

ID	STATION	STATION OFFSET		STRUCTURE DESCRIPTION	
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UTILITY STRUCTURE NOTES

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2019

C.J.B.	K.W.B.	R.W.K
DRAWN:	CHECKED:	APPROVED: R.W.K



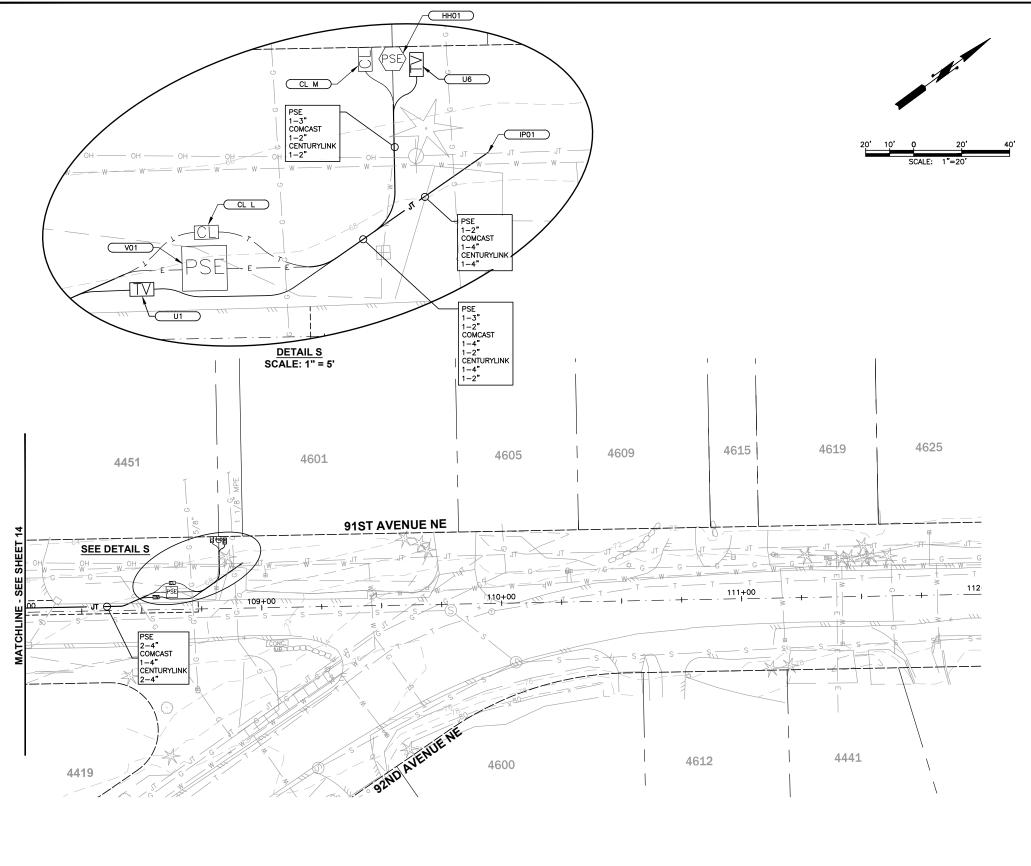




TOWN OF YARROW POINT

KING WASHINGTON
NE 42ND STREET/91ST AVENUE NE
STORMWATER & UGC PROJECT JOINT UTILITY TRENCH PLAN

SHEET:	14	
OF:	21	
JOB NO.:	19456	
DWG: UGC	PLAN	



∧ POWER, TELEPHONE, & CABLE NOTES

- EXISTING UTILITY TO BE REMOVED/RELOCATED BY OTHERS. UTILITY COMPANY SHALL BE NOTIFIED FIVE (5) DAYS PRIOR TO THE DAY THE UTILITY NEEDS TO BE RELOCATED OR REMOVED. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES.
- 2. PROTECT EXISTING UTILITY POLE, PEDESTAL, VAULT, AND/OR TRANSFORMER DURING CONSTRUCTION. SEE GENERAL NOTE 4, SHEET 2.
- SAWCUT EXISTING PAVEMENT AND SEAL JOINT (WHERE APPLICABLE) THEN APPLY SAND BLANKET TO THE SURFACE JOINT.
- 4. SAWCUT EXISTING CONCRETE SURFACE ALONG EXISTING JOINT AND PROVIDE A CLEAN EDGE.

UTILITY STRUCTURE SCHEDULE					
ID	STATION OFFSET		ATION OFFSET STRUCTURE DESCRIPTION		

UTILITY STRUCTURE NOTES

STRUCTURE LOCATIONS SHALL BE MARKED IN THE FIELD AND APPROVED BY THE UTILITY OWNER PRIOR TO EXCAVATION. THE CONTRACTOR SHALL NOTIFY UTILITY COMPANIES A MINIMUM OF ONE (1) WEEK PRIOR TO MARKING THE LOCATIONS.



DRAWN: C.J.B.	CHECKED: K.W.B.	APPROVED: R.W.K

60° SUBMITTAL SONSTRUCTION CONSTRUCTION





TOWN OF YARROW POINT

KING WASHINGTON
NE 42ND STREET/91ST AVENUE NE
STORMWATER & UGC PROJECT JOINT UTILITY TRENCH PLAN

SHEET: 15 21 OF: JOB NO.: 19456

DWG: UGC PLAN

NOTES:

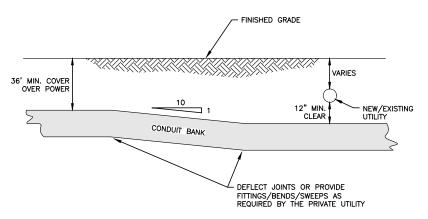
- THE TRENCH SECTION SHOWN IS FOR THE PAYMENT LIMITS FOR BANK RUN GRAVEL FOR TRENCH BACKFILL.
- 2. NUMBER AND SIZE OF CONDUITS AND THE TRENCH WIDTH AND DEPTH VARIES. SEE JOINT UTILITY TRENCH PLANS.
- 3. EACH UTILITY WILL MAKE ALL CONNECTIONS TO EXISTING FACILITIES. THE CONTRACTOR SHALL COORDINATE THIS WORK.
- 4. WORK SHALL BE SEQUENCED TO ALLOW CONTINUAL OPERATION OF ALL EXISTING AND AERIAL UTILITIES UNTIL CONVERSIONS ARE COMPLETE.

TYPICAL JOINT UTILITY TRENCH

NOT TO SCALE

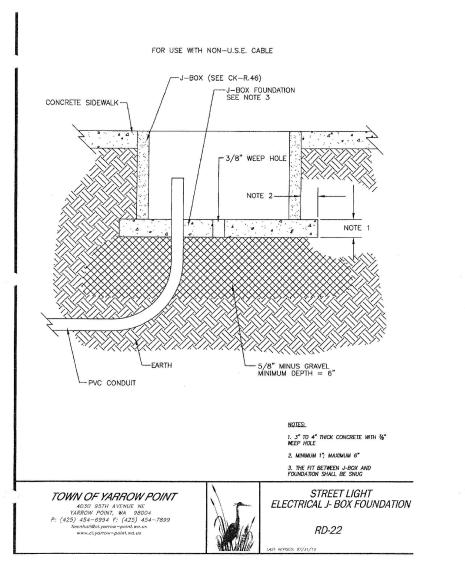
CONDUIT CALLOUTS

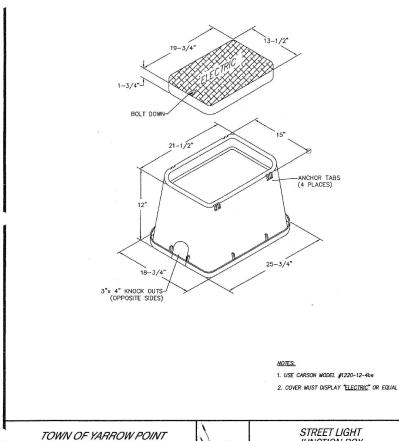
- 1. CONDUIT(S) FOR PSE. CONDUIT AND SWEEPS WILL BE FURNISHED BY PSE AND INSTALLED BY THE CONTRACTOR.
- 2. CONDUIT(S) FOR CENTURYLINK. CONDUIT AND SWEEPS WILL BE FURNISHED BY CENTURYLINK AND INSTALLED BY THE CONTRACTOR.
- 3. CONDUIT(S) FOR COMCAST. CONDUIT AND SWEEPS SHALL BE FURNISHED BY COMCAST AND INSTALLED BY THE CONTRACTOR.
- 4. CONDUITS FOR THE TOWN OF YARROW POINT SHALL BE SCHEDULE 40 WITH ONE (1) NYLON PULL STRING. THE CONTRACTOR SHALL BOTH FURNISH AND INSTALL THESE



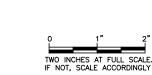
TYPICAL JOINT UTILITY TRENCH TRANSITION

NOT TO SCALE





4030 95TH AVENUE NE YARROW POINT, WA 98004 P: (425) 454-6994 F: (425) 454-7899 townhoil@ci.yarow-point.wa.us www.ci.yarrow-point.wa.us



JUNCTION BOX

RD-23



201

60% SUBMITTAL 60% NOT FORTION CONSTRUCTION



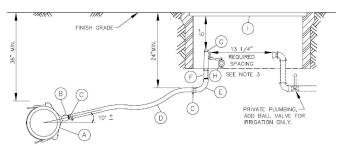


TOWN OF YARROW POINT

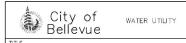
KING WASHINGTON
NE 42ND STREET/91ST AVENUE NE
STORMWATER & UGC PROJECT

SHEET: 16 21 OF:

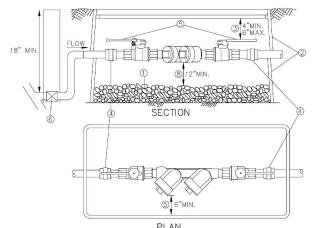
JOB NO.: 19456 DWG: DETAILS



- (A) EPOXY OR NYLON COATED HIGH TENSILE D.I. SERVICE SADDLE W/ DOUBLE STAINLESS STEEL STRAP AND EPOXY COATED BOSS, 1 1/2" AWWA TAPER (CC) TAP, FORD FC202 OR FCD202, OR APPROVED EQUAL, SIZE AS REQUIRES.
- BALL CORPORATION STOP, 1-1/2" AWWA TAPER (CC) INLET BY 1-1/2" MALE IRON PIPE THREAD OUTLET WITH BALL VALVE (OR APPROVED EQUAL LOW-FRICTION VALVE), FORD BALLCORP FB400-6, MUELLER ORISEAL NO. H-9968, OR APPROVED EQUAL.
- C COUPLING, 1-1/2" FEMALE IRON PIPE THREAD BY 1-1/2" PACK JOINT (COMPRESSION FITTING) FOR COPPER, FORD C14-66, MUELLER NO. H-15451, OR APPROVED EQUAL.
- D 1-1/2" COPPER TUBING, TYPE K.
- E 1-1/2" STREET ELL, BRASS, FEMALE IRON PIPE THREAD BY FEMALE IRON PIPE THREAD.
- \bigcirc F 1-1/2" NIPPLE, BRASS, M.I.P.T. x M.I.P.T., LENGTH AS REQUIRED TO MEET PROPER GRADE.
- G 1-1/2" ANGLE METER VALVE WITH PADLOCK WINGS, FEMALE IRON PIPE BY FLANGED END FOR METER, FORD FV13-666W, MUELLER NO. H-14286, OR APPROVED EQUAL.
- (H) 1-1/2" COMPANION FLANGE, FORD NO. 6F FLANGE, OR APPROVED EQUAL. TO BE WIRED OR SECURED TO ANGLE VALVE.
- METER BOX:
 CARSON INDUSTRIES 1730-18 BOFXL METER BOX WITH 1730 COVER, OR APPROVED EQUAL, WITH MAX
 VIEW READER DOOR IN MON-TRAVELED AREAS. OLYMPIC FOUNDRY SM30, OR APPROVED EQUAL, IN
 SIDEWALK AND IN AREAS WITH VEHICULAR TRAFTIC.
- . SERVICE LINE SHALL BE PERPENDICULAR TO THE WATERMAIN, UNLESS OTHERWISE APPROVED BY THE ENGINEER. APPROVED BACKFLOW PREVENTION DEVICE MUST BE INSTALLED PER D.O.H. REQUIREMENTS. IRRIGATION SYSTEM SHALL NOT BE PUT INTO SERVICE UNTIL THE BACKFLOW PREVENTION DEVICE IS APPROVED BY THE CITY OF BELLEVUE WATER QUALITY TECHNICIAN.
- . IF SERVICE IS PLUMBED ON CUSTOMER'S SIDE PRIOR TO METER SET, 13-1/4" SPACING MUST BE ALLOWED FOR METER.



1 1/2" IRRIGATION WATER SERVICE



- 1" ROUND WASHED GRAVEL BY 6" DEEP ON BOTTOM OF BOX

 ENCLOSE 2" & SMALLER D.C.V.A. IN TWO METER BOXES STACKED ON TOP OF EACH OTHER
 OR, OVERSIZED BOX. MUST HAVE REMOVABLE COVER. BOXES TO BE LOCATED IN SIDEWALK
 AND AREAS WITH VEHICULAR TRAFFIC SHALL BE METAL, EQUAL TO OLYMPIC FOUNDRY
 SM30. BOXES IN OTHER NON-TRAFFIC AREAS TO BE CARSON INDUSTRIES 1730—18 BCFXL
 METER BOX WITH 1730 COVER.

 MAXIMUM OF 6" DISTANCE BETWEEN UNDERSIDE OF LID AND HIGHEST POINT OF DEVICE.

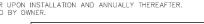
- (a) (a) UNIONS.

 (b) WHEN TEST—COCKS ARE FACING SIDEWAYS THERE MUST BE A 6" MIN. CLEARANCE BETWEEN THEM AND SIDE OF BOX.

 (c) PER PLUMBING CODE REQUIREMENT, IRRIGATION SYSTEMS MUST HAVE SHUT OFF INSTALLED AS SHOWN, FEMALE FITTINGS ARE PROHIBITED IN CONJUNCTION WITH METALLIC MALE FITTINGS.

JANUARY 2018

OLES:
ALL INSTALLATIONS MUST MEET MINIMUM STANDARDS OF THE UNIFORM PLUMBING
CODE AND WSDOH APPROVED INSTALLATIONS LIST.
TESTING IS REQUIRED BY A WASHINGTON STATE DEPARTMENT OF HEALTH CERITFIED
BACKFLOW ASSEMBLY TESTER UPON INSTALLATION AND ANNUALLY THEREAFTER,
ASSEMBLY TO BE MAINTAINED BY OWNER.



City of Bellevue WATER UTILITY

TTE 1" TO 2" DOUBLE CHECK VALVE
ASSEMBLY FOR IRRIGATION SYSTEMS
(OUTSIDE INSTALLATION) NO.

TWO INCHES AT FULL SCALE.
IF NOT, SCALE ACCORDINGLY

201

VERTICAL

60% SUBMITTAL 60% NOT FOTION CONSTRUCTION



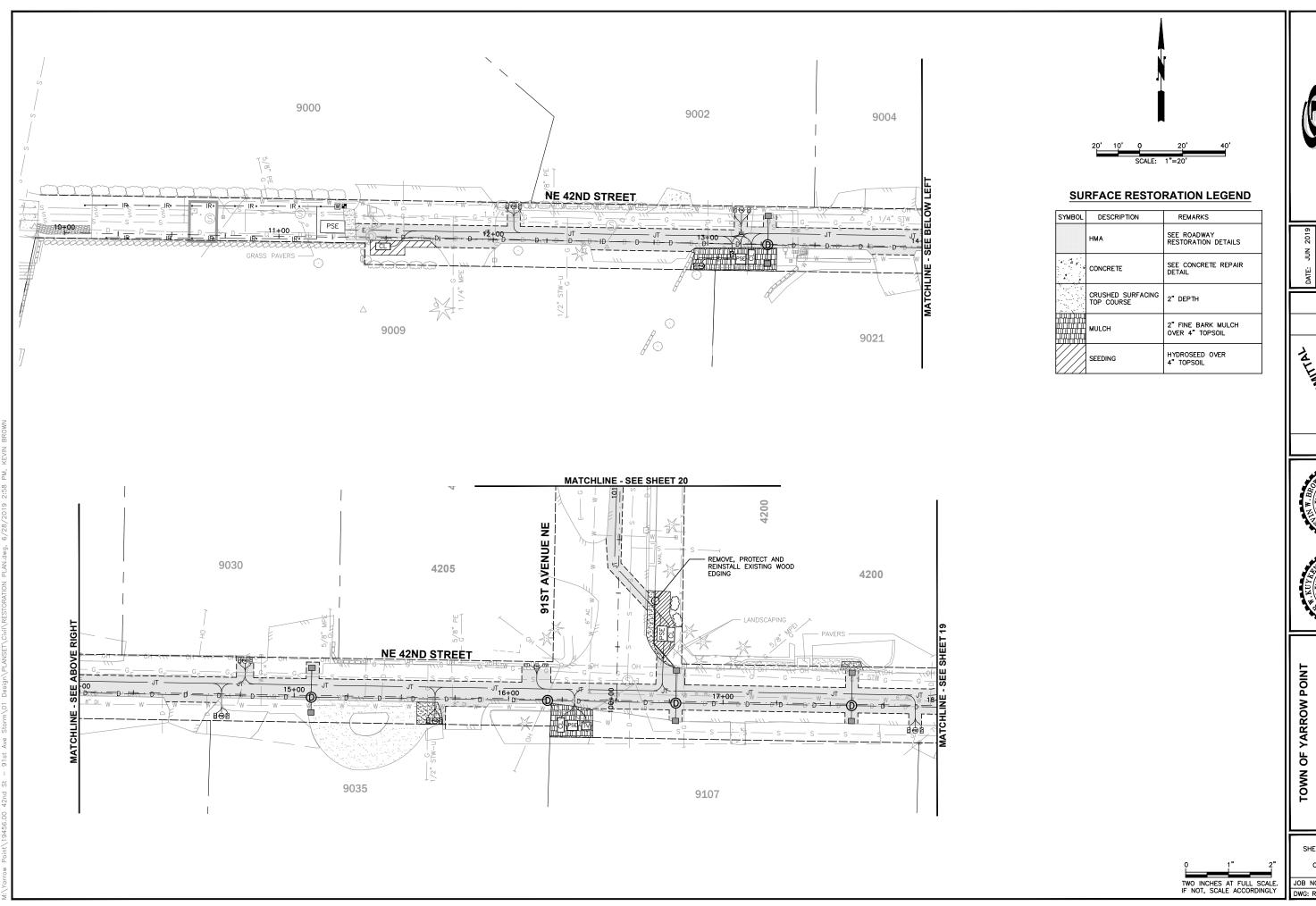


TOWN OF YARROW POINT

KING WASHINGTON
NE 42ND STREET/91ST AVENUE NE
STORMWATER & UGC PROJECT

SHEET: **17** 21 OF: JOB NO.: 19456

DWG: IRRIGATION PLAN





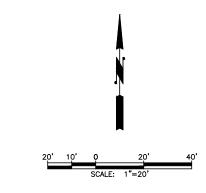
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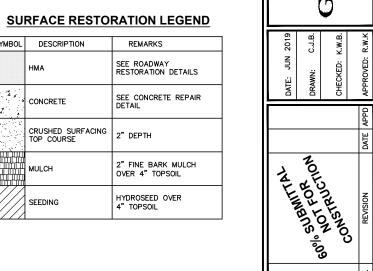


KING WASHINGTON
NE 42ND STREET/91ST AVENUE NE
STORMWATER & UGC PROJECT

SHEET: 18 JOB NO.: 19456 DWG: RESTORATION PLAN



SYMBOL	DESCRIPTION	REMARKS
	нма	SEE ROADWAY RESTORATION DETAILS
4.4	CONCRETE	SEE CONCRETE REPAIR DETAIL
	CRUSHED SURFACING TOP COURSE	2" DEPTH
	MULCH	2" FINE BARK MULCH OVER 4" TOPSOIL
	SEEDING	HYDROSEED OVER 4" TOPSOIL







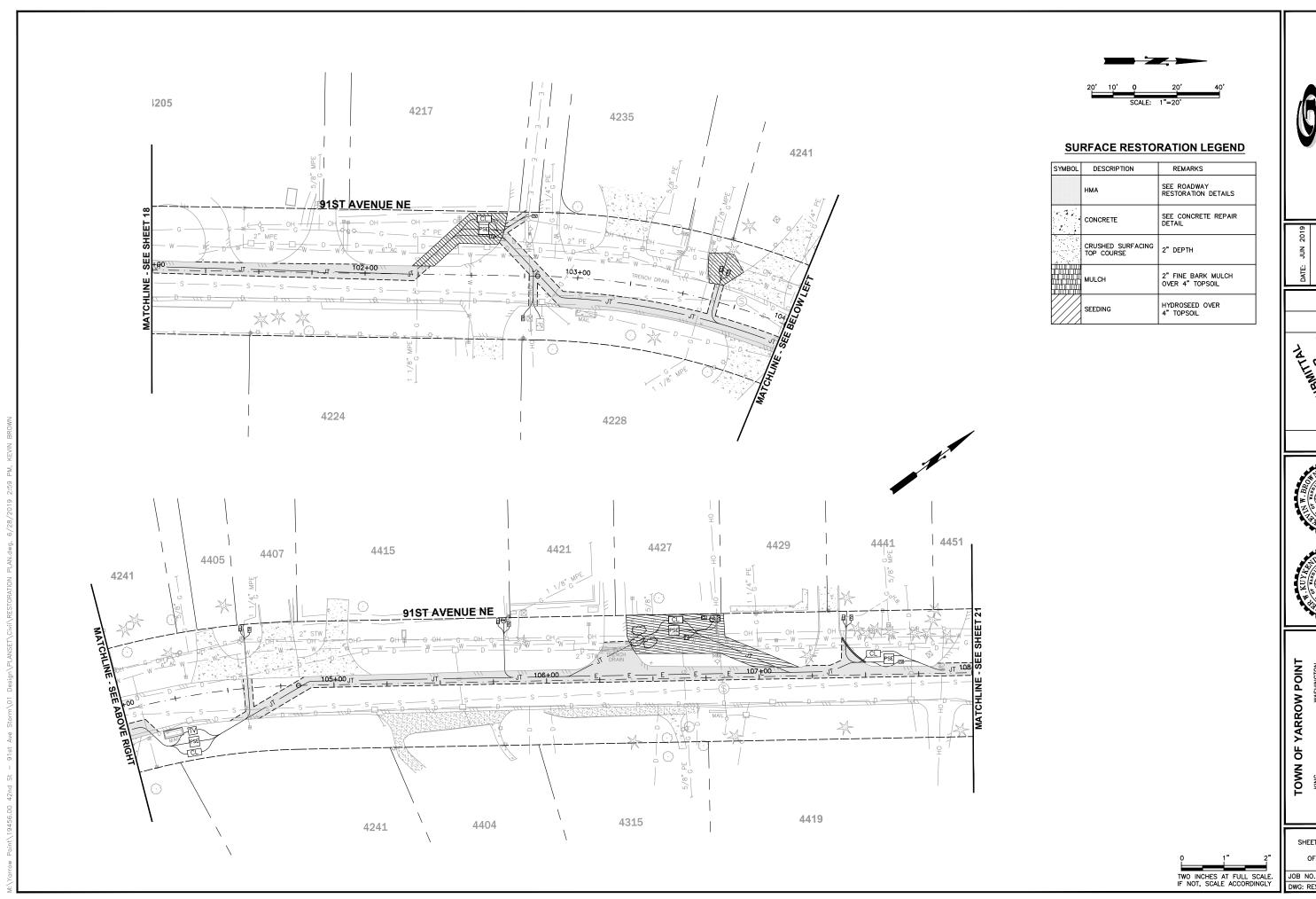
TOWN OF YARROW POINT
KING WASHINGTON
NE 42ND STREET/91ST AVENUE NE
STORMWATER & UGC PROJECT RESTORATION PLAN

> SHEET: **19** 21

TWO INCHES AT FULL SCALE.
IF NOT, SCALE ACCORDINGLY

JOB NO.: 19456 DWG: RESTORATION PLAN

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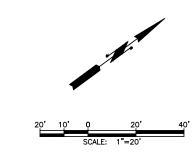




KING WASHINGTON
NE 42ND STREET/91ST AVENUE NE
STORMWATER & UGC PROJECT

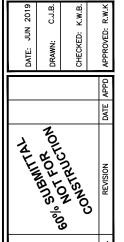
SHEET: **20**

JOB NO.: 19456 DWG: RESTORATION PLAN



SYMBOL	DESCRIPTION	REMARKS
	нма	SEE ROADWAY RESTORATION DETAILS
4.4	CONCRETE	SEE CONCRETE REPAIR DETAIL
	CRUSHED SURFACING TOP COURSE	2" DEPTH
	MULCH	2" FINE BARK MULCH OVER 4" TOPSOIL
	SEEDING	HYDROSEED OVER 4" TOPSOIL

SURFACE RESTORATION LEGEND					
SYMBOL	DESCRIPTION	REMARKS			
	нма	SEE ROADWAY RESTORATION DETAILS			
4.4	CONCRETE	SEE CONCRETE REPAIR DETAIL			
	CRUSHED SURFACING TOP COURSE	2" DEPTH			
	MULCH	2" FINE BARK MULCH OVER 4" TOPSOIL			
	SEEDING	HYDROSEED OVER			







TOWN OF YARROW POINT
KING WASHINGTON
NE 42ND STREET/91ST AVENUE NE
STORMWATER & UGC PROJECT

RESTORATION PLAN

SHEET: **21** of: **21**

TWO INCHES AT FULL SCALE. IF NOT, SCALE ACCORDINGLY JOB NO.: 19456
DWG: RESTORATION PLAN

